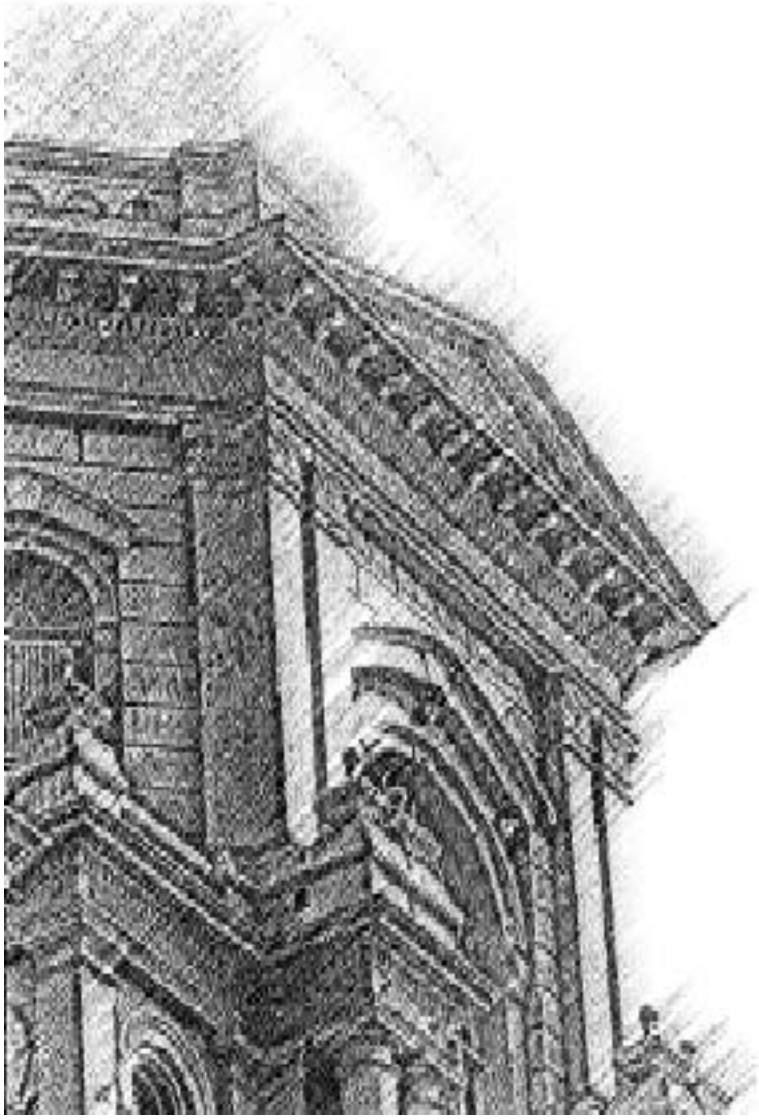
Notre Dame Report



JULY 21, 2006

NUMBER 20

Faculty Notes

Honors

Bernard Doering, professor emeritus of Romance languages and literatures, received the Second Place Award for the 2006 Best Book selection of the Catholic Press Association of the United States and Canada for *Jacques and Raissa Maritain—Beggars for Heaven*, his English translation of *Les Mendiants du Ciel*, Jean-Luc Barré's bestselling French biography of the Maritains.

Stephen A. Fredman, professor and chair of the Dept. of English, was appointed the first David Gray Chair Library Fellow, SUNY Buffalo. The fellowship supported his research on poet Robert Duncan in the Poetry/Rare Books Collection from May 22 to June 2, 2006.

Activities

Ani Aprahamian, professor of physics, presented "How We Did It at Notre Dame," an invited talk, and was a panelist at a session on "Influential Women in Science," both at the "49th Annual Conference of Science Editors" in Tampa on May 21; presented "The Science of JINA," an invited talk, to high school teachers participating in the JINA-sponsored PIXE-PAN program held at the Univ. of Notre Dame Institute for Structure and Nuclear Astrophysics, June 15; presented "News and Views from the Users of ATLAS," an invited talk, at the "ATLAS Science and Technology Review," Argonne National Laboratory, June 20–21; and presented "Life of a Scientist," an invited talk, for the "Balfour Scholars Program," Notre Dame, on July 17.

J. Douglas Archer, librarian, participated as presenter and panelist for the "Religious Diversity @ Your Library: Equitable and Respectful Library Services to Users of Diverse Religious Backgrounds" program sponsored by the ALA Diversity Committee, at the American Library Association annual meeting in New Orleans, June 25.

Joseph P. Bauer, professor of law, presented two invited lectures at the Univ, of Innsbruck on May 22 and 24; and presented "Antitrust Implications of Aftermarkets" at a conference sponsored by the American Antitrust Institute in Washington, D.C. on June 20.

Katharina J. Blackstead, librarian, presented "The Gift Cycle Through New Eyes: Stewardship for the 21st Century" at the annual conference of Development Officers of Research and Academic Libraries, at the Univ. of California, Santa Barbara, June 5.

Alejandro Camacho, associate professor of law, presented a paper titled "The Un-Adaptive Management of Adaptive Management" through the "Faculty Workshop Series" at Northwestern Univ. School of Law on April 27.

E. Jane Doering, associate professional specialist, concurrent assistant professor of college seminar, and executive director of the Teachers as Scholars Program, was invited to open the 26th annual colloquy of the American Weil Society on April 28 at Providence College with a presentation on "Simone Weil and Krishna: a Mystique of Force." She also directed an afternoon panel session.

Rev. Robert A. Dowd, CSC, assistant professor of political science, presented "The Religious Factor in African Politics: Where, How and Why Religion Matters" at the Univ. of California, Los Angeles, at the invitation Globalization Research Center-Africa of UCLA, on June 9; and presented preliminary research concerning the project "Religiosity and Political Culture: Christians, Muslims and Spiritual Capital in Sub-Saharan Africa" at the invitation of the John Templeton Foundation, Philadelphia, on June 5.

Richard M. Economakis, associate professor of architecture, presented his design development drawings for a new chapel interior at the Grace Presbyterian Village, Dallas, at the invitation of Vice President for Development C. Kroeker, and the Rev. T. Tickner, on June 7.

Stephen Hayes, Business Services Librarian, spoke at the "2006 American Library Associations Government Documents Roundtable— (GODORT) program, "Information Literacy is the Destination, Government Information is the Road" in New Orleans, June 26.

Prashant V. Kamat, concurrent professor, chemical and biomolecular engineering, made the invited presentation, "Molecularly Wired Hybrid Assemblies for Photoelectrochemical Conversion of Light Energy," at the "28th DOE Solar Photochemistry Meeting," Warrenton, Va., June 4–7.

Xiaobo Liu, associate professor of mathematics, presented the invited talks, "Gromov-Witten Invariants and Integrable Systems" at the Univ. of California at Irvine on May 9, and "Gromov-Witten Invariants and Moduli Spaces of Curves" at the "Workshop on Geometric Analysis" at Ningbo Univ. on June 7 and also at Tsinghua Univ. on June 13 and Capital Normal Univ. in Beijing on June 15.

Ralph McInerny, professor of philosophy, gave a talk titled "Thomism and Virtue Ethics" on June 24 at the Pontifical Academy of Thomas Aquinas annual meeting at the Vatican.

Daniel J. Myers, professor of sociology and Kroc Institute Fellow, presented "Riots, Susceptibility, and Framing" at the Ohio State Univ., Columbus, on April 21; and "Neighborhoods Escaping and Sliding into Poverty: Tract Characteristics and Poverty Outcomes, 1990 to 2000," a paper written with B.J. Miller, at the annual meetings of the North Central Sociological Association in Indianapolis, March 25.

Rev. Ronald Nuzzi, director, ACE Leadership program, made a presentation to the State of Michigan Association for Non-Public Schools titled "Enrollment Trends and Challenges in Catholic Schools, 1990–2006" on June 10.

James S. O'Rourke IV, professional specialist in management and director of the Fanning Center for Business Communication spoke to the Conference Board Council on Corporate

Communication Strategy on "Educating the Next Generation of Communication Professionals: The Challenges and Opportunities," June 9 in Chicago.

Susan Ohmer, the Carey Assistant Professor of Modern Communication, Dept. of Film, Television, and Theatre, presented an invited talk on "George Gallup in Hollywood" at the California Institute of Technology on May 12; was an invited panelist in a workshop on "American Film of the 1930s" at the Society for Cinema Studies conference in Vancouver, March 4; and presented a paper on "Behind-the-Scenes Documentaries and the 'Making Of' Film Culture" at the Society for Cinema Studies conference in Vancouver on March 3.

Iris Outlaw, director of Multicultural Student Programs and Services, copresented a workshop titled "Creating an Academic Environment for Equity, Social Justice, and Social Change" at the "Thirteenth International Conference on Learning" on June 23 at Montego Bay, Jamaica.

Samuel Paolucci, professor of aerospace and mechanical engineering, presented "Three-Dimensional Flow in the Differentially Heated Cavity Using an Adaptive Wavelet Method" at the "Ninth AIAA/ASME Joint Thermophysics and Heat Transfer Conference," San Francisco, June 5–8.

Morris Pollard, professor of biological sciences emeritus and director of the LOBUND Institute, presented the invited lecture "Prevention of Hereditary Prostate Cancer in Hybrid Rats" at the "International symposium of the Gnotobiology Assoc." at Washington Univ. Medical Center, St. Louis on June 6.

John E. Renaud, professor of aerospace and mechanical engineering, presented "Multilevel Crashworthiness Design using a Compliant Mechanism Approach," written with N.M. Patel, B. Kang, and A. Tovar, and "A Fully Anisotropic Hierarchical Hybrid Cellular Automata Methodology to Simulate Bone Remodeling," written with C.L. Penninger, N.M. Patel, and A., Tovar, at the "47th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference," Newport, R.I., May 1–4.

Steven R. Schmid, associate professor of aerospace and mechanical engineering, presented the invited talks titled "Design of Machine Elements with Special Emphasis on Safety" (*Experiencias con el Diseño de Máquinas y la Seguridad*) and "The Relationship between Materials, Design and Manufacturing in the Fabrication of Orthopedic Implants" (*La relación Diseño-Material-Fabricación.Un caso concreto: la fabricación de implantes ortopédicos*) at the Univ. Politecnica de Valencia, Campus de Alcoy, Spain, May 30–31, where he was also interviewed by a regional Spanish television station; and presented "Minimally Invasive Orthopedic Implant Design" at Ohio State University, April 14.

Alan C. Seabaugh, professor of electrical engineering, presented the invited talk titled "Complementary Low-Subthreshold-Swing Tunnel Transistors," at the DARPA Defense Sciences Research Council "Workshop on Emerging Technologies for Ultra-Low Power Dissipation Circuits," Arlington, Va., on June 2, and the invited talk "Tunnel Diodes and Circuits" at the Engineering Research Center for Wireless Integrated Microsystems, Univ. of Michigan, Ann Arbor, on May 16.

Margaret Shackell-Dowell, assistant professor of accountancy, presented "Do the Determinants of Performance Measures Used for Evaluation Differ across Four Categories of Measures? Evidence from High-Tech Firms," written with E. Demers and S. Widener, at the "Midwest Summer Accounting Conference" at Notre Dame on June 10, and at the Global Management Accounting Research Symposium (GMARS) in Copenhagen, Denmark on June 15.

James Sullivan, assistant professor, Dept. of Economics and Econometrics, presented "Three Decades of Consumption and Income Poverty" at the Society of Labor Economists annual meetings, May 6, in Cambridge, Mass., and at the "Institute for Research on Poverty Summer Research Workshop," June 20 in Madison, Wisc.

Abigail K. Wozniak, assistant professor of economics and econometrics, presented "The Impact of College Education on Geographic Mobility: Evidence from the Vietnam Generation," joint work with O. Malamud, to the Society of Labor Economists on May 5 in Cambridge, Mass.

Eduardo Zambrano, assistant professor of finance, presented "Priors That Do Not Rule Strategic Uncertainty Cannot Lead to Nash Equilibrium" at the 2006 North American summer meetings of the Econometric Society held at the Univ. of Minnesota, June 22–25; and "Expected Utility Inequalities" at the 2006 Australasian meetings of the Econometric Society held in Alice Springs, Australia, July 4–7.

Publications

J. Douglas Archer, librarian, contributed to the *Global Directory of Peace Studies and Conflict Resolution Programs, 7th Ed. (*Peace and Justice Studies Association, 2006) as a member of its Editorial Revision Committee.

Bruce A. Bunker, professor of physics, published "Probing Photochemical Transformations at TiO2/Pt and TiO2/Ir interfaces Using X-Ray Absorption Spectroscopy" with D. Lahiri, V. Subramanian, and **Prashant V. Kamat**, professor of chemistry and biochemistry and concurrent professor of chemical engineering *J. Chem. Phys.* 124, No. 20 (2006): 204720-1–7.

Robert R. Coleman, associate professor of art history, participated in the documentary *Jesus Decoded: Catholic Belief versus Modern Fiction* (DVD. Washington, D.C.: USCCB Publishing, 2006), with commentary on Leonardo da Vinci's *Last Supper*; and reviewed B. Bohn, *Ludovico Carracci and the Art of Drawing* at www.caareviews.org.

Bernard Doering, professor emeritus of Romance languages and literatures, published a review of *Christianity, Democracy and the American Ideal; A Jacques Maritain Reader* by J.P. Kelly in *Notes et Documents*, No. 4 (January–April): 72–74.

James Dougherty, emeritus professor of English, published "Presence, Silence, and the Holy in Denise Levertov's Poems" in *Renascence*. 53, No. 4: 305–26.

Teresa Ghilarducci, professor of economics, published "The End of Retirement" in *Monthly Review* 58, No. 1 (May):

URL: http://www.monthlyreview.org/0506ghilarducci.htm; and " Future Retirement Income Security Needs Defined Benefit Pensions" (May 19) at http://www.americanprogress.org/atf/cf/%7BE9245FE4-9A2B-43C7-A521-5D6FF2E06E03%7D/DEFINED_BENEFIT_LAYOUT.PDF.

Kevin Hart, the Notre Dame Professor of Philosophy and Literature and Fellow of the Nanovic Institute, published "Here," "You whispered in my ear," and " Let's go to bed" [poems] in *Southerly* 65, No. 3 (2006): 94–96; and a review of N. Rowe *Next to Nothing, ibid.*: 209–12.

Ralph McInerny, professor of philosophy, published "The Absence of Maritain" in the *Maritain Notebook, American Maritain Association Newsletter* (Spring 2006): 1–2.

Daniel J. Myers, professor of sociology and Kroc Institute Fellow, published "Where Do We Stand with Newspaper Data?" with D.G. Ortiz, N.E. Walls, and M.-E.D. Diaz, *Mobilization* 10, No. 3 (2005): 397–419; and *Toward a More Perfect Union: The Governance of Metropolitan America*, 2nd edition, with R.W. Conant (Novato, Calif.: Chandler and Sharp, 2005).

Rev. Ronald Nuzzi, director of the ACE Leadership Program, and **John Watzke**, coordinator of ACE field supervision, served as general editors for *School Sector and Student Outcomes*, a part of the Notre Dame Advances in Education Series published by Notre Dame Press.

Samuel Paolucci, professor of aerospace and mechanical engineering, published "Three-Dimensional Flow in the Differentially Heated Cavity Using an Adaptive Wavelet Method" with D. Wirasaet and Y. Rastigejev, *Proceedings of the 9th AIAA/ASME Joint Thermophysics and Heat Transfer Conference* (New York: AIAA, 2006): 1–17; "Wavelet Adaptive Multiresolution Representation: Applications to Viscous Multiscale Flow Simulations" with Y.A. Rastigejev, *International Journal of Wavelets, Multiresolution and Information Processing* 4, No. 2 (29006): 333–43; "Use of Ionic Liquids in Absorption Refrigeration" with M. Sen, *Proceedings of the ASME/ATI Conference on Energy: Production, Distribution and Conservation* (Padova, Italy: ASMEATI, 2006): 701–10; and "Using Carbon Dioxide and Ionic Liquids for Absorption Refrigeration" with M. Sen, *Proceedings of the 7th IIR Gustav Lorentzen Conference on Natural Working Fluids* (Trondheim, Norway: International Institute of Refrigeration, 2006): 160–63.

Adrian J. Reimers, adjunct assistant professor of philosophy, published "Ensoulment Problems" in *Life and Learning XV: Proceedings of the Fifteenth University Faculty for Life Conference, 2005,* J.W. Koterski, SJ, ed. (Washington, D.C.: University Faculty for Life, 2006): 295–315.

John E. Renaud, professor of aerospace and mechanical engineering published "Multilevel Crashworthiness Design Using a Compliant Mechanism Approach," written with N.M. Patel, B. Kang, and A. Tovar, *Proceedings of the 47th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics & Materials Conference* (AIAA, 2006): 1–14; "A Fully Anisotropic Hierarchical Hybrid Cellular Automata Methodology to Simulate Bone Remodeling," written with C.L. Penninger and N.M. *ibid.:* 1–10; "Reliability Based Design Using Variable Fidelity Optimization," written with S.E. Gano, H. Agarwal, and A. Tovar, *Structure and Infrastructure Engineering* 2, Nos. 3–4 (Sept.–Dec. 2006): 247–60; a review written with S.E. Gano of *Numerical Optimization—Theoretical and Practical Aspects* by J.F. Bonnans, et al., *IEEE Transactions on Automatic Control* 51, No. 3 (March 2006): 541–42; "Correlation of Anatomic Variation in the Elastic Anisotropy of Human Cortical Bone with the Bone Mineral Orientation Distribution," written with W. Yue, A.A. Espinoza Orias, and R.K. Roeder, *Proceedings of the 2006 ASME Summer Bioengineering Conference* (2006); and "Correlation between the Elastic Anisotropy of Human Cortical Bone Tissue and Its Microstructure," written with A.A. Espinoza Orias and R.K. Roeder, *Proceedings of 1st European Symposium on Ultrasonic Characterization of Bone* (2006).

Olaf Wiest, professor of chemistry and biochemistry, published "Explicit and Implicit Solvation of Radical Ions: The Cycloreversion of CPD Dimers" with N.J. Saettel, *Tetrahedron* 62 (2006): 6490–6500.

Administrators' Notes

Honors

Phillip Johnson, associate director of security police, was elected to the board of directors (as director-at-large) of the International Association of Campus Law Enforcement Administrators for a three-year term.

Phillip Johnson, associate director of security police presented "Policing the Modern University: An Overview of Campus Law Enforcement in America" at the "National Citizen's Police Academy Conference," May 11, in South Bend.

Activities

Alan Bigger, director of building services, presented a seminar, "Steward of Resources: Short-Term Gains May Lead to Long-Term Pains! Total Cost of Building Ownership," for the Univ. of Michigan, Plant Building Services, in Ann Arbor on June 15.

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Publications

Alan Bigger, director of building services, published "To Err is Human: To Solve Complaints is Divine" with L.B. Bigger, *Executive Housekeeping Today* 28, No. 6 (June): 6–7+; and "Project Planning Saves Time and Money," *ISSA* (June).

Documentation

Commencement Address

President Mary McAleese
May 21, 2006

President Jenkins, Chairman McCartan, brother and sister honorees, graduates and Laetare medalist, faculty of Notre Dame, graduates of Notre Dame and your families, spouses and friends, in the Irish language (speaking Irish)—wasn't Father Jenkins' Irish great? Marvelous, almost fluent. I'm desperately impressed.

It's good to be in your company this day. I am so honored to be here. May I thank Uachtarán Jenkins—in Ireland, we would call him Uachtarán, the president is Uachtarán. Uachtar is the word for "cream" in Irish, so Uachtarán, I'll leave the rest for your imagination, I think you figured it out.

I would like to thank Father Jenkins and the Trustees of Notre Dame for the opportunity I have been given to be here today, first of all to receive an honorary doctorate of laws and then to have the second honor of addressing this graduating class. I came to South Bend in kind of a strange way; I came by way of Butte, Montana. And the people of Butte, Montana told me to tell you they're big supporters of the Fighting Irish, so I promised them I would.

Actually, as it happens, this degree has reduced the contention of the opportunity for fighting in my home because for the past two years my husband, Martin, has had the distinct advantage in our home because he has been a Notre Dame alum since he received an honorary degree in Dublin back in 2004, so now we're both Domers. Equal rights, I say, in the McAleese household.

I'm also very proud to be among such an extraordinary group of distinguished honorary graduates on this platform. Their contributions to society—to the arts, to business, to science, to making our world a humanly decent place, their courage—well, it's just truly, truly remarkable. They are the most wonderful of people and I was particularly privileged to sit beside Dave Brubeck, our Laetare medalist, over lunch. What an absolutely wonderful privilege to sit beside that great jazz composer, such a humble man and a wonderful man and we are just so privileged to be in the company of wonderful people.

But as I said, the greatest honor today is the chance to talk to you this day. To be with your family, to be with your friends as you reach this wonderful milestone, you cross this threshold, this life beyond Notre Dame. It's the end of the beginning, that's all that it is really. It may feel like the end, but actually it's just the end of a beginning. As you'll soon discover, I hope, education is just the most wonderful life-long journey and one of life's greatest companions, an ever, ever, ever-present in your life curiosity about the world and that's really what education is all about.

It's also a great watershed in the lives of your parents and your families. Theologians have long debated, no doubt at this university among others, the precise moment when life begins. Let me tell you, as the parent of a graduate, a whole new life begins on this day when the kids go, and their bills hopefully start to go with them. It's a whole new life opening up for you.

The tradition of Commencement speakers at Notre Dame is a bit daunting, let me tell you, because no fewer than six Presidents of the United States have delivered Commencement addresses, among them President Reagan, another one of the many, many American presidents with Irish roots. And when he came here, he talked about those roots in County Tipperary, roots he shared indeed with a good friend of his, the actor Pat O'Brien, who was in Notre Dame also on that day, who had starred in that famous *Knute Rockne, All American*, I think it has a very special resonance here. And indeed it was Pat O'Brien who made very sure that the then very young Ronald Reagan got the part of George Gipp, which of course gave the future President that nickname, one of his great political slogans which wove the overtones of Notre Dame well into the American body politic. Two years later, in 1984, President Reagan paid a visit to his ancestral home, as indeed so many immigrants and the children of immigrants do, come back to their roots, his in County Tipperary. And he wrote very movingly about that visit, as the child of emigrant ancestors, an emigrant mother and father and how being there in the place where they were born flooded his mind, flooded his emotions. He thought of his mother, Nell, his father, Jack Reagan, and he wrote: "Never had I wished more that he and Nell were still alive so that they could have been there with me."

And really, in that story is the story of the Irish emigrant. So many of them left without hope or prospect of ever coming back. They came with hearts flooded with loneliness, planted themselves in new places and they had to grow a new heart now for this new place. But, of course, the heart they had for Ireland never, ever diminished. And I find it particularly strange and one of life's great coincidences, as it possibly isn't a coincidence at all, that my family comes from the Mourne mountains, my mother's family comes from the Mourne mountains, and there was a tradition of pogroms against Catholics in that particular region for many generations, going way back right to the early part of the 20th century. So many of her clan emigrated, and they emigrated never to see one another again and never to set foot in the Mourne mountains ever again and it broke their hearts. And their going was seen as a dreadful, dreadful loss. My family were lucky, mine stayed. My great-grandmother Mary Ann McCartan stayed. And then I arrive here, on a platform at Notre Dame and the chairman, of course, of your Board of Trustees, is one Mr. McCartan and where do his family come from? Well, they come from the same part of the mountains of Mourne. And in these stories we realize that that which we thought was such a disaster comes back to us as gift. Over the generations, it comes back to us as blessing.

And it comes back to us as blessing because primarily of the indomitable spirit of the Irish. For the Irish in America, well, as like the Irish everywhere in the world, that language that you use here, the "Fighting Irish," we don't mean fighting in the sense of argumentative, though we might occasionally mean argumentative, but what we

actually mean mostly when we talk about it is an indomitable spirit, a commitment, never tentative, always fully committed, to use the words that I got from Father Tim's Mass this morning, total commitment to life itself. No matter what life threw at them, and it threw quite a few wobblies at the Irish from time to time, that indomitable spirit that always sought to dig deep to find the courage to transcend, to keep going. With that phenomenal recognition that the Irish have because Ireland is a very beautiful country, as many of you who have ever been there will know, it's a physically very beautiful country and indeed, not unlike the rest of the world, God created a very beautiful world. And as our valedictorian, Catherine, said, there's a lot of mess out there. But we, the people, we messed it up. And what straightens out that mess is commitment, and primarily the discipline of love has that wonderful opportunity to reconnect us to the grandeur that God created, to start getting it right, to start making the mess less. That is one thing that the Irish have been particularly good at.

And so I'm particularly privileged to be now the first serving president of Ireland to visit South Bend and be here on this platform. One of my predecessors, a very famous Irish patriot called Eamon de Valera, he received a tremendous welcome here in 1919. He wasn't quite president of Ireland then because he had just escaped from an English jail, and it has been suggested that his visit here at that time is what cemented Notre Dame's nickname of the Fighting Irish. It certainly focused international attention on this university and its support for Irish independence and here at Notre Dame we have long had in Ireland the most faithful of friends and we are blessed in our friends.

In the decades that followed, the Irish in America identified themselves of course with the success of the Fighting Irish, the Notre Dame football team. It didn't seem to matter that many of the players did not have an Irish heritage, so long as they played like the Irish, that was okay. Knute Rockne himself summed it up best when he said, "They're all Irish to me. They have the Irish spirit and that's all that counts." So whether the quarterback is called Brady Quinn or Jimmy Claussen, what counts is the spirit of the team and that indomitableness, that commitment, that never-give-uppery.

And I could take those words as my theme this afternoon. Whether you have an Irish family heritage or not, something brought you to Notre Dame. It wasn't coincidence, it wasn't chance, it was choice. And that choice seems to me to have something very special to do with the spirit of this place, what it stands for. So now, after four years of study, four long Indiana winters, after all those urgent prayers at the Grotto that was mentioned, presumably mostly around exam time, you are now indelibly marked by the spirit of this place, the spirit of the Fighting Irish. And what is that spirit? It's not to be argumentative or trouble-making, although sometimes trouble-makers are needed in our world. It is to be champions of life itself, lovers of life itself, lovers of community, lovers of all that is good and humanly decent, champions of being good in our world and God knows we need those. People who have that capacity to figure they can change the odds no matter how tough the odds that are stacked against them are. People who don't say to themselves, "Well, if I stay back, I'll be safe." Sure, you will, but will your life be the big adventure it could be? People who get stuck in, people who commit. And that's really the spirit of the Fighting Irish. It's taken us all around the world in the most dreadful of circumstances. It's allowed us to become a country which was, in my living memory, a third-world country, now a first-world country, thank God, a very successful, very wealthy, very prosperous country, but hopefully with always a third-world memory to keep us humble. To keep us always, always connected to those who have less, to those who are excluded, to those who are spectators at life's feast. That was never God's intention for his people, it was that we would all be around that table, we would all be called and invited to eat. And so that's the spirit of the Irish.

That's what drew you here—the values, the principles, the absolute unshakable standing for those values and principles. My grandmother, no doubted she got it from her McCartan mother, used to say to me, and to all her 60 grandchildren—because my family thought we had to increase, multiply and fill the earth entirely on their own—but she used to say to us, "If you want the crowd to follow you, don't follow the crowd," and it's a very, very true thing. Stand your own ground. And that is what you will have been taught here. You will know what that ground is, you will recognize that ground, and you have been taught to stand tall and stand your ground. No matter what the crowd is saying, no matter what the pressure, you are the person, the sign of contradiction, who helps to clear up the mess in our world.

Back in 1842, way, way back, the year this University was founded, potato blight destroyed the potato crop, not as it happens in Ireland, but here in the eastern United States. We can't say how the blight was first brought to Ireland, but when it arrived on our shores three years later in 1845, it precipitated the greatest calamity in the history of Ireland. It triggered a terrible exodus. In a very short time we would go from being a population of 10 million to a population of 5 million. It sparked one of the greatest migrations in human history, it sparked the immediate death of 1 million men, women, and children. I remember my own grandfather pointing at the spot outside his front door where his mother described seeing as a child the bodies lying nine deep in the ditch, within living memory. That which was a disaster then, as I said, is now regarded as a blessing. Irish culture, which used to be the domain of Ireland itself, is now enriched by this extraordinary scattering that took place right across the world. They went like spores all over the globe—to the United States and every part of it, to Australia, to Britain, to Canada. And where two or more were gathered in the name of Ireland, they brought her music, her dance, her literature, her faith, her values, and they brought them as gift to their new culture, to their new community. And because they were intellectually curious and because they were people who brought love with them, they drew in from the ambient cultures. And now our Irish culture has tributaries that flow from here, in South Bend in Indiana, to right around the world, from South Bend to Sydney we can say, Irish culture is so dynamic, so many phenomenal tributaries now are flowing into it, drawing in cultures and the richness of cultures from their friends, from their colleagues, from those they live within immigrant communities all over the world.

Unknown to the French founders of Notre Dame, those spores of potato famine were the seeds of their University's future and perhaps Father Sorin had an intimation of that future in the four Irish brothers who accompanied him on his original journey to South Bend. In any event, thanks to them, the Irish in America very quickly became leaders in education, leaders in the Church. They had huge advantages, not least because they were Irish, but because of sheer numbers and traditions. They had remarkably, if only out of necessity, a command of the English language, largely thanks to the fact that so much effort was made by our next door neighbors to kill off our Irish language. They are, incidentally nowadays our best friends, next to our American friends, thank God for that. Times have changed wonderfully.

In the years after the great famine, the newly created system of national elementary schools in Ireland ensured that the vast majority, the overwhelming majority of Irish men and women who came here were highly literate. But they always valued education in Ireland and indeed still do. Most of the Irish who came here, came here with very little except that education. They came here with two hands, the one length as we would say at home, and they needed such grit and such courage because that education alone, the book learning alone would never have allowed them to make the lives they made for themselves and for their children here. They needed grit, they needed courage, they needed real faith. They needed sheer commitment. This was not a place for anyone who was tendentious or tentative. It was a place to wholly commit to and I think that is the spirit of Notre Dame. That is the spirit of the Fighting Irish.

One of our finest scholars, dealing with the history of Irish emigration observed that growing up in Ireland meant preparing oneself to leave it. Historically, of course, the destination of choice was here, the United States. And we have, in Ireland, always been so proud, so very, very proud of the success of our Irish men and women here in the United States. And indeed my delegation today includes two very distinguished Irish-Americans who have given great service to Ireland over the years—Joe McGlinn, Ireland's honorary counsel in St. Louis, a former president of Notre Dame's Alumni Association, and Joe, like his father before him, a very proud Domer. Our honorary counsel for Texas, John Cain, is with us today for a very special reason, because his son, Patrick, who is also with us, is going to be a freshman here in Notre Dame in the fall. Those connections, that web of community, much more than community, that web of family, continuing to connect us from generation to generation. In fact, Patrick is probably wondering how he can get one of those honorary degrees, but sorry, Patrick, you've got to put the four years' work in before you earn the seat here.

I'm glad to say though, and I'm the first president of Ireland who has been able to say it, that we have reversed the tide of emigration. For the first time in 150 years, we have net inward migration to Ireland. Many of our migrants return now, thank God. Unlike earlier generations, now we have of course only a small trickle coming now to the United States, they come by choice for the most part. We know that part of the leftovers from the bad old days, we have a number of undocumented here whose status is undocumented, and we in Ireland do hope firmly that a path may be found to enable them to make the richest contribution to this, the home of their choice and that they may be able to follow in the footsteps of earlier generations.

It's my first visit to this branch of Notre Dame, but I am very privileged that not that long ago I had the privilege of officially opening Notre Dame's new home in Dublin. It's the home of a former great champion of not just Irish politics, but of human rights generally, the great Daniel O'Connell, after whom O'Connell Street in Dublin is called, known as "the liberator." And I recall that day as a very important high point in a process which had begun almost 15 years earlier, a process indeed by which the links with this University and Ireland have been immeasurably strengthened, and that was the creation of the Keough Institute of Irish Studies. And many, many people have worked to build that relationship and I'll have an opportunity later today to thank Notre Dame's Ireland Council for their work and generosity and to mark the changing of the name of that institution to now two great sons of Ireland as it adopts the name of Martin Naughton and it becomes the Naughton-Keough Institute and that will be a wonderful day for us. Wonderful, too, to see how many people are so committed to keeping these connections fresh. And I want particularly to express my appreciation for the wonderful leadership and the great guidance of that process of keeping those engagements fresh in every generation by your president emeritus, Father Malloy, Monk Malloy as he's known, is a great friend to Ireland and his achievements too many to mention here, but we in Ireland feel very, very privileged that he is counted high among our friends.

Incidentally, some of you may think the high point for Notre Dame in Dublin was when you beat Navy there, what was it, 53 to 24? You don't call that a beating; in Ireland we would call that an emulsification. And I believe they've got another six years to wait before the score gets settled and I think it's very sporting of Navy to give Notre Dame home advantage for the next game because when you're in Dublin, you're definitely home.

It's deeply resonant for us in Ireland that the Notre Dame program should be housed in O'Connell's home because his life has something I think to tell each of you as you prepare to stand your ground in the world outside. He is the man who fought and labored, he was one of the very first Catholic lawyers in Ireland because up until he was a very young man, no Catholic was allowed to become a lawyer in Ireland. That law changed, and by then of course there were so many impediments, among them Catholics were not allowed to vote, and he was the great champion who got the vote for Irish Catholics. But way more than that, he was a great anti-slavery champion, he was a man whose life was committed to helping that process of inclusion, of all God's human beings around the common table. He had seen the terrors of the French Revolution first-hand, having had to be educated in France because he was not permitted to be educated as a Catholic in Ireland. So he had seen the French Revolution. It turned him off violence for life. But it didn't turn him off democratic organization. And Daniel O'Connell is the man credited with the very first mass civil rights peaceful mobilization in the world. It took its moral, its political strength, from

advocacy, from simply telling your argument, and not telling it once, but telling it over and over again until its sheer moral force forces the change that makes life tolerable for those who are excluded. His great friend, the great anti-slavery leader Frederick Douglass, said of him that no trans-Atlantic statesman bore a testimony more marked and telling against the crime and curse of slavery than did O'Connell. And I hope that Harper Lee would agree with me, Nelle would agree with me, that Daniel O'Connell had much in common with one of my own great heroes, Atticus Finch. Not only were they both lawyers who defended the powerless, but O'Connell would surely have endorsed the reply that Atticus Finch gave his daughter: "The one thing that doesn't abide by majority rule is a person's conscience," and it's a very telling phrase. Daniel O'Connell went to his grave believing he was an abject failure. Atticus Finch didn't succeed either, did he? Except, of course, the moral victory. And in that he succeeded a million times over, as did O'Connell. O'Connell went to Rome broken by failure, and yet his statue dominates Dublin, the greatest hero, the liberator. A failure to himself, a champion now, his words were spores. They looked as if they had fallen on fallow ground in his generation, but spores that bore fruit in subsequent generations.

And that, of course, will be the role that you will play, please God. The role to go out into the world, to bring to the world the values, the mission, the story of Notre Dame. We have a peace process in Ireland that we are trying to grow again with your help and we have been so blessed because again our friendship with America has given us the benefit of the success of two American administrations in trying to get us to think differently, Ireland-American funds helping us to grow a new culture of cross-community endeavor among people who simply, although they were neighbors to one another, were not good neighbors to one another, again our friends in America helping us to change the course of Irish history. And today, that great thing that Daniel O'Connell fought for, he wanted an end to the armed tradition in Irish politics and he went to his grave believing he had been, at the very least, a dreadful failure. The IRA announced a formal end to its armed campaign last July and in September it was confirmed that all its weapons had been decommissioned. What was exactly 150 years after his death, Daniel O'Connell's dream has been realized. Today in Ireland there is one tradition and we are armed only with advocacy.

And these developments, of course, they create a wonderful, positive, hope-filled atmosphere in Ireland. And we hope, please God, that the prosperity that Ireland enjoys today and the peace that it enjoys today will give us the opportunity to create in Ireland a place that our emigrants would be so proud of. A place where everyone is around the table, everyone is equal, everyone part of a loving community, a community where people work for and with and through each other. It's a wonderful thing to know that that gift to this generation is a gift that is partly owned by the sons and daughters of our emigrant Irish men and women here in the United States.

Sometimes, I don't know if your grannies used to say it, but we used to talk about the "luck of the Irish." My granny was never very impressed by that argument actually, because her argument was "You make your luck," and I'm sure you've heard that phrase before, "You make your luck." And that, I think, is what I challenge you in a way to do, to make your own luck. To make it by bringing these values, by bringing that Fighting Irish spirit out into the world wherever the thousands of paths that you tread will take you. No two of you have come the same journey, no two of you will go the same journey. But I hope that you, the Class of 2006, will take away from this ceremony a deep, profound sense of that Irish spirit, of the spirit of Notre Dame. You have been formed in that spirit, it now accompanies you in your life's journey. I hope it infuses you on your life's journey.

It's all about tomorrow now, isn't it? It's all about what you bring to tomorrow. There's that old expression that "the future is in your hands," it's kind of a cliché. And sometimes with clichés we brush over them and we forget there's a central core truth in them. And it's true to say the future is already in your hands and the choices that you have made, that profound choice that you and your families made to come to Notre Dame in the first place. Now the baton of stewardship for our world will very quickly pass into your hands. Very quickly, it comes too quickly, almost imperceptibly does that baton go from one generation to the next. It may pass to committees, to governments, to boards, to places of power and influence, but ultimately each of these is a place where individuals gather, and around that table, people respect strong voices. Not bullying voices, not voices that want to talk other people down, but voices that have a message so strong, so valid, so good, so humanly uplifting, so decent, that they can quietly persuade others of its value around that table. And I hope that you will be those voices in your family, in your street, in your workplace, in your community, wherever it is, whatever road your life now takes you. Don't ever doubt your value, don't ever doubt your influence, don't ever doubt. Think back to the wonderful Daniel O'Connell, you don't have to go too far, you can just think of someone like Father Hesburgh here, who led this university for 35 years during very turbulent times. The sheer difference that one voice, one insistent voice, can make, one voice that sticks to its principles, that knows its principles, that knows its ground and stands its ground.

You are very fortunate, many of you, because Notre Dame stands here in this beautiful place, but it has the ground of Ireland also that it stands on. And I think that's a very wonderful legacy for any young man or woman to have, to have the gift of this place with its strong, wonderful academic excellence, and underpinning that wonderful value system, and to know where that spirit comes from. It does not come from nowhere, it does not come from books. It comes from the heart and it comes from the soul. And I hope, please God, that your hearts and your souls will always and ever be the greatest ambassadorship for Notre Dame. That, I think, will be Notre Dame's greatest wish for you, that wherever you go in the world people will say of you, "Well, you know they're from Notre Dame. It shows." Why does it show? Because you are and have in your hearts, in your souls, in your voices, in your hands, the Fighting Irish spirit. May it always and ever be good to you. Congratulations, enjoy this day.

Valedictory Address

Catherine Distler
May 21, 2006

President McAleese, Father Jenkins, distinguished faculty and guests, family, friends, and fellow graduates:

Four years ago, we assembled in this auditorium for the freshmen mass. We were seated then as we are today with parents above and students below. and we were anxious then as we are now about saying goodbye and beginning again. Four years ago we said goodbye to the homes of our childhood and prepared to begin college. Today we say goodbye to the communities we have formed on our own and prepare to begin the rest of our lives. We came to college trying to figure out who we were and what we wanted to become. We leave college with answers to both. How does that happen and so quickly?

The four years we spent here, more than any four years before or after, have shaped us because college was a time when great moments of learning—not just about science or history but about ourselves and this world—occurred at a rate we will wonder about later in life. We will remember frequent, lucid moments when we actually felt our identities flexing and forming inside of us.

College has been formative, but the formation of our identities did not happen because we spent four years reflecting in an empty room. It happened because we engaged with others and accumulated in vaults of personhood the wisdom and experiences others were willing to share. Particularly in the last months of college, I have realized that my education and my growth into who I have become has been largely, if not entirely, defined by seminal moments, conversations, and truths that I have shared and explored with others.

I can think of many examples: the conversations about politics, labor, immigration, abortion, and faith that happened just as often on quads as they did in classrooms; the professors who included documents like the "Letter from Birmingham Jail" or the "Universal Declaration of Human Rights" in their course packets; the nights, when faced with death or sickness that we did not understand, my friends and I bundled up in coats and each other's arms and trampled through the snow to the Grotto, so that we could pray in a place where the concept of something bigger than ourselves made more sense; the moments in dorm rooms where, in the fallout of failures, successes, losses, and loves, my peers taught me lessons of loyalty, balance, and integrity that I will value for the rest of my life; and the lunch in South Dining Hall freshman year where a friend explained to me the argument his professor had presented that morning to his introductory philosophy class—that every person is responsible for caring for everyone else. I had never heard anything like it before and that lunch, although my friend never knew, changed me forever.

College has been formative, however, not only because we engaged with others but because it encouraged us to engage the world. Some of my most powerful lessons at Notre Dame occurred away from campus: spending time with the kids at the South Bend Center for the Homeless, working with adults with Down Syndrome in Charlotte, teaching in an urban Catholic school in Kansas City, traveling through India, and volunteering with the Missionaries of Charity in Calcutta. The lessons I have learned from these experiences have been of a different kind than the ones at Notre Dame. They have been harder lessons, because the world I have witnessed through these experiences and the stories of others' similar experiences has been filled with realities that are uncomfortable and grim—realities that I have struggled to understand and that have tested my confidence in the persistence of justice and peace.

I have learned that abject poverty is everywhere. People on every continent sleep on damp soil and under leaky roofs and survive on less than a dollar a day. Malnutrition is implicated in one half of all young people's deaths. Hundreds of thousands of people die every week from preventable, treatable diseases for lack of drugs that cost less than 20 cents a day. And in the midst of such poverty and disease, the world is becoming increasingly armed and extremist. Religious conflict has become so devastating that in August someone mistakenly yelled "suicide bomber" during a religious procession in Iraq, and six hundred people died as they were trampled to the ground by their fellow celebrants trying to escape the threat. In Uganda more than 20,000 children leave their rural homes every night and walk as far as ten miles to the nearest town in order to avoid being abducted or killed during the night by the Lord's Resistance Army, which has been waging a war on the Ugandan government for 18 years. The commuter children, as they are called, pack into classrooms, porches, and streets where they sleep for a few hours before rising to walk back to their homes in the morning, dragging behind them their blankets, exhaustion, and unextinguished fears.

The world is messed up. But engaging the world is formative not because it is easy but because it is difficult. Experience, if it is sincere, teaches us most often by knocking us down and demanding, that under the weight of it all, we find a way to stand up.

Brendan Kennelly, a great Irish poet often quoted by U2, has said, "If you want to serve the age, betray it." Father Jenkins echoed this sentiment for me in his inaugural address last fall when he said, "If we are afraid to be different from the world, how can we make a difference in the world?" I will echo it again today. If we lack the courage to call the world out on its arrogance, injustice, and shortcomings…if we are not brave enough to point out how the world could be better, then the world will never change. But if we engage the world so as to learn its secrets and then betray a flawed today for the hope of a better tomorrow, our impact will have profound potential.

The world is messed up, but it is not fatalistic. Its problems are real, but they are not unsolvable. For the first time our generation is exploring technologies and ethics that will allow us to understand and reverse not only pandemics of infectious disease but also economic and political pandemics of poverty, debt, stratification, and oppression. The solutions we will be charged with formulating are unimagined in scope and rigorous in follow-through. They will demand new equations and resources, and they will require support from an unprecedented number of citizens who will have to pledge their livelihoods for the livelihoods of families and persons they do not know. And the world will be better.

In an article for *Parade* magazine, the Pulitzer-prize winning author Tracy Kidder wrote that the work a group of doctors was doing to reverse inequalities in health care was based on a "pragmatic and unsentimental idealism." I highlighted the phrase and pinned the article to my bulletin board. What did it mean? Ordinary idealism isn't something people are claiming a lot these days, and there is an association, I think, between idealism and those who hold naïve and excitable expectations about what the world is and what the world can do. But pragmatic and unsentimental idealism could be a new kind—unsentimental because its goals and its resolve to achieve them are neither inflated nor deflated by emotion and pragmatic because it puts forth solutions that are achievable. It refuses to esteem results without the means by which they are to be attained. and although it lauds compassion and action, it draws its strength not from noble ideals but from ordinary people. It believes people are reason enough to want to change this world for the better.

And this is where a Notre Dame education comes in. Although Notre Dame includes all the very best parts of a traditional university, it includes something else as well. Alongside lessons of politics, economics, mathematics, theology, and business, we have been taught social justice, taught to hold up people, their health, their security, and their sustainability as real measures of success and taught to admire policies that make it easier for people in this world and to learn in order to identify and influence policies that make it more difficult.

I have read the University's mission statement many times in the last four years, and this, by far, is my favorite line: "In addition, the University seeks to cultivate in its students not only an appreciation for the great achievements of human beings but also a disciplined sensibility to the poverty, injustice, and oppression that burden the lives of so many. The aim is to create a sense of human solidarity and concern for the common good that will bear fruit as learning becomes service to justice."

With our education, we have been given power and with that power the ability to define discourse. And discourse, whether it does so justly or unjustly, defines what the world prioritizes, what the world takes on, and ultimately, what the world will become. As Notre Dame graduates, I challenge you to propagate justice with that power.

You will have power in your professions. When creating new political agenda, developing neighborhoods, making decisions about how health care will look in 15 years, or negotiating business deals, have the courage to consider those who will be negatively affected by your decisions. As military officers, lawyers, teachers, architects, politicians, engineers, and corporate leaders, we will encounter conflicts of all sorts of conscience. There will be an honor and special integrity for those who make a point to bring ethical alternatives to the table and who prioritize something more than the bottom line. Beware of dichotomies that make problems, as well as their solutions, appear too simple. Nothing in this world is easy. Everything is complex, and everything worthwhile takes work. Father Hesburgh is quoted as saying that decisions must be made not because they are easy, cheap, or popular but because they are right.

You will have power in your personal lives as well. As respected members of communities and families, you will encounter daily opportunities to change the world because change doesn't have to happen in the form of global campaigns to be significant or lasting. As parents we can teach our children to be kind, thoughtful, humble of their talents but strong in their convictions and sensitive to the struggles of others. As community members, we can participate in city councils, school organizations, parishes, and alumni clubs. We can support the good work of others, give back to Notre Dame, adopt families during the holidays, and donate our clothes instead of throwing them away.

At the end of the day and at the end of life, the goal is just to be able to say you left something meaningful behind. And whether you do that next year serving in underprivileged areas or with military service, whether you do it in ten years as parents, artists, activists, scholars or clergy, or in 40 years as grandparents and mentors, you will have changed the world—if just your piece of it—for the better.

In 1879, Notre Dame was fatefully burned to the ground. And the story goes that standing in its ashes, Father Sorin looked around and, stroking his white beard, declared that the school should be rebuilt better than it was before. We must do the same: leave this University prepared to engage the world sincerely and, when you find yourself discouraged and standing in the ashes of the realities of this world, declare without hesitation that you care and that you will with faith and courage rebuild the world so as to be better than it has ever been before.

There is a statue of Tom Dooley about 50 feet southwest of the Grotto. The statue is of him standing with two Laotian children, and under the statue is a letter he wrote to Father Hesburgh on an evening months before he died. It is about the greatness of a Notre Dame education. Tom Dooley was a Notre Dame graduate and a doctor who brought medicine and hospitals to the most rural parts of Southeast Asia. He was a man who went out into the world and changed the world—not the whole world but his little piece. While many students have laid their hopes and prayers before the Grotto, I have laid mine before this slightly less common spot. As a young pre-professional, with my hands tracing the cool lines of the glass-covered letter and my mouth quietly reciting his words, I felt both comforted and empowered. I would like to conclude my speech the same way he concluded his letter to Father Hesburgh that evening: "[I] won't take any more of your time. But I did just want to communicate for a moment and again offer my thanks to my beloved Notre Dame."

Thank you.

Research

Awards and Proposal Summary

04/01/2006 to 04/30/2006

Awards Received

Category	No.	Amount
Research	37	$4,294,983
Total:	**37**	**$4,294,983**

Proposals Submitted

Category	No.	Amount
Research	57	$14,079,386
Instructional Programs	2	$283,402
Total:	**59**	**$14,362,788**

April 2006 Cumulative summary

Awards Received

	07.01.2003 - 04.30.2004		07.01.2004 - 04.30.2005		07.01.2005 - 04.30.2006	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	311	$50,783,670	303	$58,641,198	333	$52,089,523
Facilities and Equipment						
Instructional Programs	8	$1,166,443	3	$445,643	3	$308,546
Other Programs	1	$62,500				
Service Programs						
Total:	**320**	**$52,012,613**	**306**	**$59,086,841**	**336**	**$52,398,069**

Proposals Submitted

	07.01.2003 - 04.30.2004		07.01.2004 - 04.30.2005		07.01.2005 - 04.30.2006	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	619	$220,903,248	657	$185,796,036	682	$174,804,054
Facilities and Equipment						
Instructional Programs	6	$491,350	18	$3,379,304	18	$4,227,230
Other Programs					1	$5,000
Service Programs						
Total:	**625**	**$221,394,598**	**675**	**$189,175,340**	**701**	**$179,036,284**

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 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 Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Awards for Research				
Department or Office: Aerospace and Mechanical Engineering				
Jumper, Eric J. (Center or Institute)	High Speed Adaptive Optics Subsystem for use in Free Space Optical Communications	Corporate Funding	$99,981	12
Morris, Scott C. (Center or Institute)	Aerodynamics and acoustics of window buffeting	Corporate Funding	$528,524	36
Department or Office: Biological Sciences				
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	$6,000	24
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	$6,162	48
Suckow, Mark A. (Center or Institute)	Development of an ECM-Based Cancer Vaccine	Corporate Funding	$198,795	12
Department or Office: Chemical and Biomolecular Engineering				
McCready, Mark J. (Center or Institute)	Determination of Gravity Independence for Two-Phase Gas-Liquid Flows through Conduits	National Aeronautics and Space Administration	$60,000	18
Department or Office: Chemistry and Biochemistry				
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	$366,188	12
Miller, Marvin J.	Bioactive Compounds From Acylnitroso Cycloadducts	National Institutes of Health	$287,120	24
Mobashery, Shahriar	Penicillin-Binding Proteins, Mechanisms and Inhibition	National Institutes of Health	$270,979	36

Awards received during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Peng, Jeffrey W.	NMR Studies of Ligand Flexibility in Protein-Ligand Interactions	Private Foundation	$35,000	28
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	$288,000	48
Department or Office: Computer Science & Engineering				
Poellabauer, Christian Thain, Douglas L. Chawla, Nitesh V.	A Testbed for Experimental Research on Sensor-Rich Wireless Systems	ARMY/DARPA	$195,213	12
Poellabauer, Christian	CAREER: Judicious Resource Management in Wireless Service Sharing Environments	National Science Foundation	$12,000	60
Department or Office: Economics and Econometrics				
Jensen, Richard A.	Support Research to develop a theoretical model of academic entrepreneurship explaining the behavior of inventors, firms, and funding agencies.	Private Foundation	$44,775	17
Department or Office: Electrical Engineering				
Fay, Patrick J. (Center or Institute)	Heterojunction Bipolar Transistor Power Amplifiers for Long-Range X-Band Communications	Corporate Funding	$23,000	6
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	$811,786	38

Awards received during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	$124,411	38
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	$70,000	36
Department or Office: Finance				
Bergstrand, Jeffrey H.	Causes and Consequences of the Growth of Regionalism	National Science Foundation	$38,217	36
Department or Office: History				
Cobb, Paul M.	Getting Crusaded	Private Foundation	$35,000	12
Constable, Olivia R.	Muslims in Medieval Europe	Private Foundation	$42,500	11
Meserve, Margaret H.	A Renaissance of News: The Italian Market in Printed Political Information, 1470-1527	Private Foundation	$30,000	12
Department or Office: Mathematics				
Connolly, Francis X. Gekhtman, Michael	NDREU: Notre Dame Research for Undergraduates	National Science Foundation	$54,000	25
Ledrappier, Francois M.	Ergodic Theory	National Science Foundation	$32,700	13
Department or Office: Physics				
Coshow, Suzanne M. (Center or Institute)	Sensing Our World	Private Foundation	$10,000	10

Awards received during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Johnson, Walter R.	Collarborative Research: New Directions in Atomic PNC	National Science Foundation	$60,000	36
Rettig, Terrence W. (Center or Institute)	Characterizing Volatile Composition in Preplanetary Disks	University of Missouri - St. Louis	$99,685	36
Wayne, Mitchell R. Karmgard, Daniel J.	USCMS Hadron Calorimeter M&O Subsystem	University of California-Los Angeles	$32,201	18
Wayne, Mitchell R. Ruchti, Randal C. Hildreth, Michael D. Goussiou, Anna	USCMS Hadron Calorimeter M&O Subsystem	University of California-Los Angeles	$10,442	24
Department or Office: Political Science				
Hero, Rodney E. (Center or Institute)	Latino National Survey Project	Texas A & M University	$27,200	25
Hero, Rodney E. (Center or Institute)	Latino National Survey Project	Texas A & M University	$27,200	24
Department or Office: Psychology				
Borkowski, John G. Whitman, Thomas L.	Research Training in Mental Retardation	National Institutes of Health	$154,279	12
Lubke, Gitta	Novel methods to assess complex developmental changes	National Institutes of Health	$95,625	12
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	Take Ten High School Proposal	Private Foundation	$30,000	15

Awards received during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Romance Languages and Literatures				
Douthwaite, Julia V.	A Literary History of the French Revolution	Private Foundation	$38,000	12
Department or Office: Theology				
Anderson, Gary A.	From Israel's Burden to Israel's Debt: Metaphors of Sin in Ancient Judaism	Harvard University	$40,000	5
Groody, Daniel G. (Center or Institute)	Dying to Live II	Corporate Funding	$10,000	12

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Proposals for Research				
Department or Office:	Aerospace and Mechanical Engineering			
Bowling, Alan P.	Agile Motion Control for Legged Robots	Corporate Funding	$0	12
Corke, Thomas C. Seabaugh, Alan C. Wang, Meng	Aeroelastic Energy Powered Plasma Actuators for Enhanced Flapping Wing Aerodynamics	Department of the Air Force	$444,928	36
Corke, Thomas C. Jumper, Eric J. Morris, Scott C. Nelson, Robert C. Thomas, Flint O. Dunn, Patrick F.	Wind Tunnel for Airbourne Platform Laser and Flight Control	Department of the Air Force	$2,826,088	12
Jumper, Eric J.	Malley Probe Measurements of Aircraft Prop-Wash	Corporate Funding	$5,000	3
Jumper, Eric J.	ALT Phase A2: "Aero-Optical Characterization of Free-Space Optical Communiations"	Corporate Funding	$145,000	18
Jumper, Eric J.	Investigation of High-Cycle Fatigue with Advanced Diagnostics	Department of the Air Force	$139,351	36
Morris, Scott C.	Development of Atmospheric Optical Turbulence Model	Corporate Funding	$20,000	5

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Tomar, Vikas	Large-scale Classical Molecular Dynamics Simulations of Novel Nano-ceramic Matrix Composites	Private Foundation	$0	3
Wang, Meng	Computational Study of Rough-Wall Boundary-Layer Noise	Department of Navy	$251,702	36
Department or Office:	Anthropology			
Fuentes, Agustin	Advancing Biocultural Perspectives in Physical Anthropology	National Science Foundation	$10,000	9
Department or Office:	Biological Sciences			
Lamberti, Gary A. Tank, Jennifer L.	Linking Landscape Structure to the Chemical and Biotic Integrity of Water Resources in the Argicultural Midwest	Lake Superior State University	$143,285	36
Lodge, David M.	Challenge Cost Share Agreement Between USDA Forest Service and UND	U.S. Forest Service	$12,000	28
O'Tousa, Joseph E.	University of Notre Dame Environmental Genomics Research Center (IN)	Department of Energy	$1,529,000	12
Streit, Thomas G.	Eliminating Lymphatic Filariasis in Haiti	Private Foundation	$4,414,693	48

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Suckow, Mark A.	Prevention through Vaccination: A Novel Approach to Prostate Cancer	Department of Army	$440,777	36
Tenniswood, Martin	Dose Dependent Effects of Casodex on Gene Expression and Apoptosis	Department of Army	$97,823	36
Tenniswood, Martin	The Role of the Vitamin D Receptor Axis in Prostate Cancer Progression	Department of Army	$97,823	36
Welsh, JoEllen J. Tenniswood, Martin	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	$330,191	12
Welsh, JoEllen J.	Research Supplement to "Vitamin D and Mammary Gland"	National Institutes of Health	$43,050	12
Department or Office:	Chemical and Biomolecular Engineering			
Chang, Hsueh-Chia	RET Supplement: Faradaic Micro-Fluidic Devices for Complex Fluids	National Science Foundation	$10,050	2
Maginn, Edward J. Brennecke, Joan F.	Design and Evaluation of Ionic Liquids as Novel CO2 Absorbents	Department of Energy	$29,970	14
McGinn, Paul J.	Development of Improved Cathode Catalysts for PEM Fuel Cells	Corporate Funding	$347,611	36

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Chemistry and Biochemistry			
Lieberman, Marya Porod, Wolfgang	Nano/Bio supplement to REU for RET	National Science Foundation	$20,000	3
Department or Office:	Civil Engineering and Geological Sciences			
Kirkner, David J. Sen, Mihir	Engineering Education for Appropriate Technologies in Mexico	Ohio Northern University	$60,160	36
Department or Office:	Classics, The			
Amar, Joseph P.	The Life of Ephrem the Syrian: Introductory Study, Critical Syriac Edition, Annotated English Translation	National Endowment for the Humanities	$40,000	11
Department or Office:	Computer Science & Engineering			
Chen, Danny Z.	REU Supplement to Computational Geometry Algorithyms for Medical Problems in Radiation Therapy and Medical Imaging	National Science Foundation	$6,000	12
Flynn, Patrick J. Bowyer, Kevin W.	CISE Research Resources: Instrumentation for Multidimensional Imaging & Applications	National Science Foundation	$382,400	17
Striegel, Aaron Chawla, Nitesh V.	ARBAM: Automated Rapid Botnet Attack Mitagation	Corporate Funding	$29,037	7

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Economics and Econometrics			
Sullivan, James X.	Improving our Information on Who Receives Food Stamps and the Program's Effects on Income and Consumption	University of Chicago	$40,000	18
Department or Office:	Electrical Engineering			
Bernstein, Gary H. Brockman, Jay B. Snider, Gregory L.	A New Paradigm for Interchip Interconnects	Corporate Funding	$69,863	12
Fay, Patrick J.	NIRT: Extremely-mismatched Materials for Advanced Nanodevices	National Science Foundation	$7,500	12
Fay, Patrick J.	X-band InGaP HBT T/R Modules	Corporate Funding	$30,000	9
Porod, Wolfgang Snider, Gregory L. Fay, Patrick J. Brockman, Jay B.	ABL (Airborne Laser) Detection Sensor Improvements	Corporate Funding	$45,000	6
Department or Office:	English			
Walvoord, Barbara E.	Supporting the Undergraduate Introductory Religion/Theology Course: Best Practices for Departments	Private Foundation	$70,000	12

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Film, Televison, and Theatre			
Arons, Wendy	Simple Acts: Performance and Sustainability	National Endowment for the Humanities	$40,000	11
Wojcik, Pamela	The Apartment Plot: Urban Living in American Popular Culture 1945 to 1975	National Endowment for the Humanities	$40,000	11
Department or Office:	German and Russian Languages and Literatures			
Hosle, Vittorio G.	Forms of Correct Interpretation	National Endowment for the Humanities	$40,000	11
Department or Office:	History			
Cobb, Paul M.	Getting Crusaded	Private Foundation	$35,000	9
Coleman, Jon T.	Here Lies Hugh Glass: Bears, Pirates, Indians and the Legend of a Mountain Man	National Endowment for the Humanities	$40,000	11
Slaughter, Thomas P.	Independence: The Beginnings of the United States	National Endowment for the Humanities	$40,000	11
Turner, James C.	Philology and the Shaping of the Modern Humanities	National Endowment for the Humanities	$40,000	11
Turner, James C.	Philology and the Shaping of the Modern Humanities	Private Foundation	$40,000	11

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Institute for Latino Studies				
Brown-Gort, Allert R.	Caras Vemos, Corazones No Sabemos: The Human Landscape of Mexican Migration to the United States	Private Foundation	$50,000	12
Department or Office: Physics				
Balsara, Dinshaw S. Howk, Jay C.	The Interaction of Supernova Remnant Shocks with Interstellar Clouds	National Aeronautics and Space Administration	$59,000	12
Bennett, David P.	Microlensing Planet Finder	National Aeronautics and Space Administration	$91,050	7
Furdyna, Jacek K. Liu, Xinyu Dobrowolska-Furdyna, Malgorzata	MBE Growth and Characterization of Ferromagnetic Semiconductor Nanostructures	Wayne State University	$297,413	36
Furdyna, Jacek K. Liu, Xinyu Dobrowolska-Furdyna, Malgorzata	Epitaxial Growth and Characterization of Thin (Ga,Mn) As Films for Photodetectors	National Security Agency	$50,000	7
Howk, Jay C. Lehner, Nicolas	A Far-Ultraviolet Study of the Magellanic Bridge	National Aeronautics and Space Administration	$25,000	12
LaVerne, Jay A.	Energetic Processing and Stimulated Chemistry of Pre-Cometary Ices and Primoral Surfaces of Comet Nuclei	Georgia Institute of Technology	$117,433	36

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Mathews, Grant J. Frauendorf, Stefan G.	Nuclear Properties at Extreme Density, Temperature, Spin and Isospin	Department of Energy	$124,000	12
Wayne, Mitchell R. Cason, Neal M. Goussiou, Anna Hildreth, Michael D.	Research in Collider Physics	National Science Foundation	$67,140	12
Department or Office:	Political Science			
Zuckert, Catherine H.	Machiavellian Politics	National Endowment for the Humanities	$40,000	11
Department or Office:	Psychology			
Cummings, E. M.	Family Processes and Child Sleep Problems Over Time	Auburn University	$84,243	12
Radvansky, Gabriel A.	The Impact of Spatial Shifts on Cognition in Interactive Environments	U.S. Army Research Institute	$383,469	48
Department or Office:	Radiation Laboratory			
Ferraudi, Guillermo J.	Catalyzed Oxidation of Organic and Inorganic S-containing Compounds by Transition Metal Macrocyclic Complexes	Private Foundation	$131,450	36
Department or Office:	Robinson Community Learning Center			
Tomas Morgan, Peter L.	Filmaking Initiative of the Youth Justice Project	Private Foundation	$6,000	12

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Sociology				
Cardenas, Gilberto Koval, John P.	The Hourglass Economy & Illinois Low-wage Workers: A Conference	Private Foundation	$99,886	12

Proposals for Instructional Programs

Department or Office: Kellogg Institute for International Studies				
Schierling, Sharon K. Beatty, Edward N.	Mobility, Society and Governance in North America	Department of Education	$208,402	48
Department or Office: Romance Languages and Literatures				
Ferreira Gould, Isabel A. Mainwaring, Scott P.	Portuguese Program	Private Foundation	$75,000	33

Awards and Proposal Summary

Centers and Institutes Report

04/01/2006 to 04/30/2006

Awards Received

Department or Office	No.	Amount
Center for Astrophysics	1	$99,685
Center for Flow Physics and Control	2	$628,505
Center for Microfluidics and Medical Diagnostics	1	$60,000
Center for Transgene Research	1	$366,188
Environmental Research Center	1	$6,000
Freimann Life Science Center	1	$198,795
Institute for Latino Studies	3	$64,400
Joint Institute for Nuclear Astrophysics	1	$10,000
Nano Science and Technology Center	4	$1,029,197
Robinson Community Learning Center	1	$30,000
Walther Cancer Research Center	1	$288,000
Total:	**17**	**$2,780,770**

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	4	$299,050
Center for Children and Families	1	$84,243
Center for Flow Physics and Control	7	$3,832,069
Center for Microfluidics and Medical Diagnostics	1	$10,050
Center for Molecularly Engineered Materials	1	$347,611
Center for Tropical Disease Research & Training	1	$4,414,693
Freimann Life Science Center	1	$440,777
Institute for Latino Studies	2	$149,886
Kellogg Institute for International Studies	2	$283,402
Nano Science and Technology Center	7	$519,776
Radiation Laboratory	2	$248,883
Robinson Community Learning Center	1	$6,000
Total:	**30**	**$10,636,440**

Awards and Proposal Summary

Centers and Institutes Report

07/01/2005 to 04/30/2006

Awards Received

Department or Office	No.	Amount
Alliance for Catholic Education	1	$45,750
Center for Astrophysics	6	$330,814
Center for Children and Families	2	$1,862,590
Center for Flow Physics and Control	18	$1,972,211
Center for Microfluidics and Medical Diagnostics	1	$60,000
Center for Molecularly Engineered Materials	2	$32,928
Center for Transgene Research	2	$659,138
Center for Tropical Disease Research & Training	14	$7,122,035
Center for Zebrafish Research	5	$1,180,230
Environmental Molecular Science Institute	1	$21,750
Environmental Research Center	2	$14,655
Freimann Life Science Center	4	$239,482
Institute for Church Life	4	$518,546
Institute for Educational Initiatives	1	$36,125
Institute for Latino Studies	13	$819,748
Interdisciplinary Center for the Study of Biocomplexity	2	$365,175
John A. Kaneb Center for Teaching and Learning	1	$233,000
Joint Institute for Nuclear Astrophysics	2	$23,035
Kellogg Institute for International Studies	1	$5,000
Kroc Institute for International Peace Studies	2	$85,244
Medieval Institute	2	$34,585
Nano Science and Technology Center	18	$3,684,607
Nanovic Institute	1	$2,600
Natl. Cons. for Grad. Degrees for Minorities, Engr & Science	1	$85,000
Nuclear Structure Laboratory	2	$2,050,000
Radiation Laboratory	11	$4,189,568
Robinson Community Learning Center	1	$30,000
South Bend Center for Medical Education	2	$276,249
Walther Cancer Research Center	3	$710,500
Total:	**125**	**$26,690,565**

Proposals Submitted

Department or Office	No.	Amount
Alliance for Catholic Education	2	$243,225

Awards and Proposal Summary

Centers and Institutes Report

07/01/2005 to 04/30/2006

Department or Office	No.	Amount
Center for Applied Mathematics	2	$598,154
Center for Astrophysics	15	$2,590,667
Center for Children and Families	9	$3,641,713
Center for Environmental Science and Technology	5	$2,080,167
Center for Ethics and Culture	1	$1,600,000
Center for Flow Physics and Control	33	$8,743,369
Center for Microfluidics and Medical Diagnostics	7	$2,520,991
Center for Molecularly Engineered Materials	4	$1,018,113
Center for Social Concerns	1	$22,500
Center for Transgene Research	9	$4,680,659
Center for Tropical Disease Research & Training	24	$14,975,589
Center for Zebrafish Research	8	$1,671,719
Environmental Molecular Science Institute	1	$21,750
Environmental Research Center	4	$3,603,664
Freimann Life Science Center	7	$882,716
Institute for Church Life	4	$623,020
Institute for Latino Studies	19	$5,190,997
Institute for Theoretical Sciences	7	$3,191,410
Interdisciplinary Center for the Study of Biocomplexity	2	$659,189
Joint Institute for Nuclear Astrophysics	3	$158,035
Kellogg Institute for International Studies	5	$3,774,896
Keough Institute for Irish Studies	3	$479,169
Kroc Institute for International Peace Studies	5	$626,638
Medieval Institute	3	$100,000
Nano Science and Technology Center	62	$20,756,038
Natl. Cons. for Grad. Degrees for Minorities, Engr & Science	1	$255,000
Nuclear Structure Laboratory	2	$545,595
Radiation Laboratory	6	$806,946
Reilly Center for Science, Technology and Values	2	$762,794
Robinson Community Learning Center	3	$71,000
Walther Cancer Research Center	4	$1,339,673
Total:	**263**	**$88,235,396**

Awards received during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Awards for Research				
Department or Office: Center for Astrophysics				
Rettig, Terrence W. (Center or Institute)	Characterizing Volatile Composition in Preplanetary Disks	University of Missouri - St. Louis	$99,685	006779-001
Department or Office: Center for Flow Physics and Control				
Jumper, Eric J. (Center or Institute)	High Speed Adaptive Optics Subsystem for use in Free Space Optical Communications	Corporate Funding	$99,981	006761-001
Morris, Scott C. (Center or Institute)	Aerodynamics and acoustics of window buffeting	Corporate Funding	$528,524	006760-001
Department or Office: Center for Microfluidics and Medical Diagnostics				
McCready, Mark J. (Center or Institute)	Determination of Gravity Independence for Two-Phase Gas-Liquid Flows through Conduits	National Aeronautics and Space Administration	$60,000	006478-001
Department or Office: Center for Transgene Research				
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	$366,188	005142-001
Department or Office: Environmental Research Center				
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	$6,000	006340-001
Department or Office: Freimann Life Science Center				
Suckow, Mark A. (Center or Institute)	Development of an ECM-Based Cancer Vaccine	Corporate Funding	$198,795	006783-001
Department or Office: Institute for Latino Studies				
Hero, Rodney E. (Center or Institute)	Latino National Survey Project	Texas A & M University	$27,200	006763-001

Awards received during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Hero, Rodney E. (Center or Institute)	Latino National Survey Project	Texas A & M University	$27,200	006762-001
Groody, Daniel G. (Center or Institute)	Dying to Live II	Corporate Funding	$10,000	006758-001
Department or Office: Joint Institute for Nuclear Astrophysics				
Coshow, Suzanne M. (Center or Institute)	Sensing Our World	Private Foundation	$10,000	006755-001
Department or Office: Nano Science and Technology Center				
Fay, Patrick J. (Center or Institute)	Heterojunction Bipolar Transistor Power Amplifiers for Long-Range X-Band Communications	Corporate Funding	$23,000	006770-001
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	$70,000	006515-001
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	$811,786	006071-001
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	$124,411	006071-001
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	Take Ten High School Proposal	Private Foundation	$30,000	006775-001

Awards received during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Walther Cancer Research Center				
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	$288,000	006785-001

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Proposals for Research				
Department or Office:	Center for Astrophysics			
Bennett, David P.	Microlensing Planet Finder	National Aeronautics and Space Administration	$91,050	06100646
Balsara, Dinshaw S. Howk, Jay C.	The Interaction of Supernova Remnant Shocks with Interstellar Clouds	National Aeronautics and Space Administration	$59,000	06100660
Mathews, Grant J. Frauendorf, Stefan G.	Nuclear Properties at Extreme Density, Temperature, Spin and Isospin	Department of Energy	$124,000	06100683
Howk, Jay C. Lehner, Nicolas	A Far-Ultraviolet Study of the Magellanic Bridge	National Aeronautics and Space Administration	$25,000	06100695
Department or Office:	Center for Children and Families			
Cummings, E. M.	Family Processes and Child Sleep Problems Over Time	Auburn University	$84,243	06100680
Department or Office:	Center for Flow Physics and Control			
Corke, Thomas C. Jumper, Eric J. Morris, Scott C. Nelson, Robert C. Thomas, Flint O. Dunn, Patrick F.	Wind Tunnel for Airbourne Platform Laser and Flight Control	Department of the Air Force	$2,826,088	06100665

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Wang, Meng	Computational Study of Rough-Wall Boundary-Layer Noise	Department of Navy	$251,702	06100666
Jumper, Eric J.	ALT Phase A2: "Aero-Optical Characterization of Free-Space Optical Communiations"	Corporate Funding	$145,000	06100684
Jumper, Eric J.	Investigation of High-Cycle Fatigue with Advanced Diagnostics	Department of the Air Force	$139,351	06100694
Jumper, Eric J.	Malley Probe Measurements of Aircraft Prop-Wash	Corporate Funding	$5,000	06100704
Corke, Thomas C. Seabaugh, Alan C. Wang, Meng	Aeroelastic Energy Powered Plasma Actuators for Enhanced Flapping Wing Aerodynamics	Department of the Air Force	$444,928	06100703
Morris, Scott C.	Development of Atmospheric Optical Turbulence Model	Corporate Funding	$20,000	06100681
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia	RET Supplement: Faradaic Micro-Fluidic Devices for Complex Fluids	National Science Foundation	$10,050	06100651

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Molecularly Engineered Materials			
McGinn, Paul J.	Development of Improved Cathode Catalysts for PEM Fuel Cells	Corporate Funding	$347,611	06100650
Department or Office:	Center for Tropical Disease Research & Training			
Streit, Thomas G.	Eliminating Lymphatic Filariasis in Haiti	Private Foundation	$4,414,693	06100676
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Prevention through Vaccination: A Novel Approach to Prostate Cancer	Department of Army	$440,777	06100663
Department or Office:	Institute for Latino Studies			
Brown-Gort, Allert R.	Caras Vemos, Corazones No Sabemos: The Human Landscape of Mexican Migration to the United States	Private Foundation	$50,000	06100656
Cardenas, Gilberto Koval, John P.	The Hourglass Economy & Illinois Low-wage Workers: A Conference	Private Foundation	$99,886	06100670
Department or Office:	Nano Science and Technology Center			
Furdyna, Jacek K. Liu, Xinyu Dobrowolska-Furdyna, Malgorzata	Epitaxial Growth and Characterization of Thin (Ga,Mn) As Films for Photodetectors	National Security Agency	$50,000	06100652
Fay, Patrick J.	X-band InGaP HBT T/R Modules	Corporate Funding	$30,000	06100659

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Porod, Wolfgang Snider, Gregory L. Fay, Patrick J. Brockman, Jay B.	ABL (Airborne Laser) Detection Sensor Improvements	Corporate Funding	$45,000	06100662
Lieberman, Marya Porod, Wolfgang	Nano/Bio supplement to REU for RET	National Science Foundation	$20,000	06100675
Fay, Patrick J.	NIRT: Extremely-mismatched Materials for Advanced Nanodevices	National Science Foundation	$7,500	06100671
Furdyna, Jacek K. Liu, Xinyu Dobrowolska-Furdyna, Malgorzata	MBE Growth and Characterization of Ferromagnetic Semiconductor Nanostructures	Wayne State University	$297,413	06100677
Bernstein, Gary H. Brockman, Jay B. Snider, Gregory L.	A New Paradigm for Interchip Interconnects	Corporate Funding	$69,863	06100686

Department or Office: Radiation Laboratory

Ferraudi, Guillermo J.	Catalyzed Oxidation of Organic and Inorganic S-containing Compounds by Transition Metal Macrocyclic Complexes	Private Foundation	$131,450	06100664

Proposals submitted during the period Apr-01-2006 to Apr-30-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
LaVerne, Jay A.	Energetic Processing and Stimulated Chemistry of Pre-Cometary Ices and Primoral Surfaces of Comet Nuclei	Georgia Institute of Technology	$117,433	06100690
Department or Office:	Robinson Community Learning Center			
Tomas Morgan, Peter L.	Filmaking Initiative of the Youth Justice Project	Private Foundation	$6,000	06100647

Proposals for Instructional Programs

Department or Office:	Kellogg Institute for International Studies			
Schierling, Sharon K. Beatty, Edward N.	Mobility, Society and Governance in North America	Department of Education	$208,402	06100668
Ferreira Gould, Isabel A. Mainwaring, Scott P.	Portuguese Program	Private Foundation	$75,000	06100689

Awards and Proposal Summary

05/01/2006 to 05/31/2006

Awards Received

Category	No.	Amount
Research	26	$8,697,163
Total:	**26**	**$8,697,163**

Proposals Submitted

Category	No.	Amount
Research	76	$16,522,554
Instructional Programs	5	$89,871
Total:	**81**	**$16,612,425**

May 2006 Cumulative summary

Awards Received

	07.01.2003 - 05.31.2004		07.01.2004 - 05.31.2005		07.01.2005 - 05.31.2006	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	372	$61,334,407	323	$64,363,895	359	$60,786,686
Facilities and Equipment						
Instructional Programs	9	$1,230,943	3	$445,643	3	$308,546
Other Programs	1	$62,500				
Service Programs						
Total:	**382**	**$62,627,850**	**326**	**$64,809,538**	**362**	**$61,095,232**

Proposals Submitted

	07.01.2003 - 05.31.2004		07.01.2004 - 05.31.2005		07.01.2005 - 05.31.2006	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	689	$253,918,056	728	$207,052,296	758	$191,326,608
Facilities and Equipment						
Instructional Programs	8	$2,416,370	19	$3,384,304	23	$4,317,101
Other Programs					1	$5,000
Service Programs						
Total:	**697**	**$256,334,426**	**747**	**$210,436,600**	**782**	**$195,648,709**

Awards received during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Awards for Research				
Department or Office: ACE Educational Outreach				
Johnstone, Joyce V.	ACE Leadership Program and Notre Dame Magnificat Schools Program	Private Foundation	$1,123,361	61
Johnstone, Joyce V.	ACE Leadership Program and Notre Dame Magnificat Schools Program	Private Foundation	$906,431	35
Department or Office: Aerospace and Mechanical Engineering				
Corke, Thomas C. Fay, Patrick J. (Center or Institute)	High-Bandwidth High-Resolution Plasma Sensor for Hypersonic Flow Measurements: Phase II Proposal	Corporate Funding	$210,000	12
Jumper, Eric J. (Center or Institute)	Aero-Optics Research and Development	Corporate Funding	$30,002	10
Niebur, Glen L. Ovaert, Timothy C.	Growth of Trabecular Bone Damage Due to Off-Axis Loads	National Institutes of Health	$195,496	12
Department or Office: Anthropology				
Chesson, Meredith S.	Numeira:Excavations at the Town Site (1977-1983) Volume 3 of the Final Publications of the Expedition to the Dead Sea Plain, Jordan	Harvard University	$30,000	25
Department or Office: Architecture				
Rowland, Ingrid D.	Rome Architecture Program	Private Foundation	$15,000	12
Department or Office: Biological Sciences				
Lodge, David M.	Monitoring and Analysis of Rusty Crayfish	U.S. Forest Service	$12,000	28

Awards received during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Severson, David W. Streit, Thomas G. Romero-Severson, Jeanne (Center or Institute)	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	$632,372	36
Welsh, JoEllen J.	Role of Vitamin D Receptor Functional Domains in Breast Cancer Cell Growth Regulation	Department of Army	$90,000	37
Welsh, JoEllen J. Tenniswood, Martin	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	$322,431	24
Welsh, JoEllen J. Tenniswood, Martin	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	$280,133	48
Department or Office:	Center for Pastoral Liturgy			
Kroeker, Charlotte	Singing God's Song Faithfully: Implications for Theology & Music Faculty Seeking to Prepare Music Leadership for the Church	Private Foundation	$12,500	7
Department or Office:	Chemical and Biomolecular Engineering			
Maginn, Edward J. Brennecke, Joan F.	Mercury-Free Electrical Switch	Corporate Funding	$18,000	5
Department or Office:	Chemistry and Biochemistry			
Castellino, Francis J. (Center or Institute)	Pathophysiologies Involving Hemostasis-Related Genes	National Institutes of Health	$1,760,503	36
Lieberman, Marya Porod, Wolfgang (Center or Institute)	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	$20,000	36

Awards received during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Smith, Bradley Dennis	Rationally Designed Promoters & Inhibitors of Membrane Fusion	National Institutes of Health	$261,018	12
Department or Office: Civil Engineering and Geological Sciences				
Burns, Peter C.	Impact of Uranyl Alteration Phases of Spent Fuel on Mobility of Np in Yucca Mountain	Department of Energy	$250,000	12
Department or Office: Computer Science & Engineering				
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	$12,000	60
Department or Office: Electrical Engineering				
Fay, Patrick J. (Center or Institute)	X-band InGaP HBT T/R Modules	Corporate Funding	$30,000	11
Department or Office: Mathematics				
Alber, Mark S.	Testing a Developmental Mechanism by an Integrated Empirical-Computational Approach	New York Medical College	$42,500	12
Department or Office: Physics				
Howk, Jay C.	A Spritzer Study of Extraplanar Dust in Spiral Galaxies	Jet Propulsion Laboratory	$17,550	13
Wayne, Mitchell R. Cason, Neal M. Hildreth, Michael D. Goussiou, Anna Ruchti, Randal C.	Research in Collider Physics	National Science Foundation	$545,000	36

Awards received during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Wiescher, Michael C. Garg, Umesh Collon, Philippe A. (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$1,400,000	36
Department or Office: Psychology				
Cummings, E. M. Maxwell, Scott E. Darby, John (Center or Institute)	Children and Political Violence in Northern Ireland	National Institutes of Health	$405,866	12
Department or Office: Romance Languages and Literatures				
Ferreira Gould, Isabel A. Mainwaring, Scott P. (Center or Institute)	Portuguese Program	Private Foundation	$75,000	33

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Proposals for Research				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C. Thomas, Flint O.	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	$180,770	12
Morris, Scott C. Corke, Thomas C.	Aero-Mechanical Coupling in a High Speed Compressor	Department of the Air Force	$309,431	36
Renaud, John E.	Nonlinear Crachworthiness Design Tool Development Using Cellular Automata	Corporate Funding	$141,927	12
Department or Office:	Alliance for Catholic Education			
Borkowski, Mary B. Hernandez, Edwin I. Cummings, E. M.	Enhancing Parenting Practices	Private Foundation	$2,048,278	48
Department or Office:	Anthropology			
Lende, Daniel H.	Drugs and Desire: Adolescent Lives in Columbia	National Endowment for the Humanities	$40,000	11
Department or Office:	Architecture			
Rowland, Ingrid D.	Rome Architecture Program	Private Foundation	$15,000	12
Department or Office:	Biological Sciences			
D'Souza-Schorey, Crislyn	Membrane Recycling in NPC	Private Foundation	$249,780	24

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Ferdig, Michael T.	Transcriptional Network Analysis in Malaria Parasites	National Institutes of Health	$139,015	36
Fraser, Malcolm J.	A Novel Transgenic Silkworm System for Recombinant Glycoprotein Production	University of Wyoming	$177,500	12
Maaswinkel, Hans Li, Lei	Visual Spatio-Temporal Tuning in Neurotoxicological and Mutant Zebrafish Models of Parkinson's Disease	National Institutes of Health	$262,500	12
McKee, Edward E.	Heart Mitochondrial Toxicity of Antiviral Nucleosides	Indiana University Bloomington	$0	12
Suckow, Mark A.	Surgical Adhesion Barrier	Corporate Funding	$2,925	12
Vaughan, Kevin T. Goodson, Holly V.	Microtubule Dependent Transport of NPC-Containing Membranes	Private Foundation	$246,400	24

Department or Office: Chemical and Biomolecular Engineering

Brennecke, Joan F.	Supercritical Extraction of Pomegranate Juice	University of Texas	$7,500	12

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Brennecke, Joan F. Maginn, Edward J. Paolucci, Samuel Sen, Mihir Stadtherr, Mark A.	Ionic Liquids for Utilization of Waste Heat from Distributed Power Generation Systems	Department of Energy	$1,350,000	12
Maginn, Edward J.	Determination of Physical Properties of Ionic Liquids Using Molecular Simulations	Department of the Air Force	$399,498	36
Department or Office:	Chemistry and Biochemistry			
Basu, Subhash C.	Targeted Drug Delivery to Cancer Cells	Department of Army	$450,000	36
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	$375,000	12
DuBois, Jennifer Awaya, Jonathan D.	Iron Acquisition by Pseudomonas mendocina strain ymp	National Science Foundation	$100,000	24
DuBois, Jennifer	Salt-Adapted Enzymes in Ionic Liquids: a Case Study	Private Foundation	$45,000	24
Kuno, Masaru K. Kamat, Prashant V.	Solution Based Nanowire Heterostructure Assemblies for Photovoltaic Applications	Department of Energy	$348,900	36

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Lappin, Alexander G. Corcelli, Steven A. Ferraudi, Guillermo J.	Mechanistic Studies of Fuel Formation Catalyzed by Macrocyclic Complexes	Department of Energy	$810,000	36
Lappin, Alexander G. Ferraudi, Guillermo J.	Photoinduced Ligand Dehydrogenation for the Solar Generation of Hydrogen	Department of Energy	$810,000	36
Miller, Marvin J. Krchnak, Viktor	Novel Derivatization/Functionaliz of Natural Products	National Institutes of Health	$338,093	12
Miller, Marvin J. Chang, Mayland	Chemistry-Biochemistry-B Interface Training Program at Notre Dame	National Institutes of Health	$190,583	12
Scheidt, W. Robert	X-Ray and Chemical Studies of Metalloporphyrins	National Institutes of Health	$337,500	12
Smith, Bradley D.	Nanomedicine Development Center	University of Michigan	$37,500	12
Wiest, Olaf G. Helquist, Paul	Chemistry Core for the Development of Therapeutic Agents for Niemann-Pick Type C Disease	Private Foundation	$248,600	24

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Civil Engineering and Geological Sciences			
Fein, Jeremy B.	Phosphate Barriers for In Situ Immobilization of Uranium	Pacific Northwest National Laboratory	$300,001	36
Fein, Jeremy B.	Sequestration of Plutonium, Neptunium and Cesium via Soluble Phosphate Amendment	Pacific Northwest National Laboratory	$300,001	36
Kurama, Yahya C.	REU Supplement 2006	National Science Foundation	$5,500	12
Department or Office:	Computer Science & Engineering			
Brockman, Jay B.	A Cost-Effective Methodology for the Design and Fabrication of Memory Intensive Integrated Circuits	Corporate Funding	$193,131	24
Chawla, Nitesh V.	Taking Machine Learning to Applications: Addressing Two Fundamental Problems of Size and Imbalance	National Science Foundation	$306,019	36
Chawla, Nitesh V.	Machine Learning and Statistical Methods for Dynamic Data-Driven Retail Portfolios	Private Foundation	$37,500	12
Chen, Danny Z.	4D Imat Planning Using Graph Algorithms	University of Maryland	$98,214	12

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Flynn, Patrick J. Bowyer, Kevin W.	Advanced Open Image and Video Preprocessing Platform for Face Imagery	Corporate Funding	$100,000	12
Flynn, Patrick J. Bowyer, Kevin W.	Development of Ear Biometrics: 2D, 3D, and Morphable Models 2D/3D	Corporate Funding	$100,000	12
Hu, Xiaobo	Research Experience for Undergraduates (REU) Supplement to CNS-0410771	National Science Foundation	$6,000	12
Kogge, Peter M. Brockman, Jay B.	Design and Simulation of a Pragrammable Memory/Multiplier Array Using G4-FET Technology	DARPA	$115,020	3
Striegel, Aaron Thain, Douglas L. Poellabauer, Christian	Low Cost, Reliable Packet Logging at Gigabit Speed	Corporate Funding	$25,000	12
Department or Office:	East Asian Languages and Literatures			
Brownstein, Michael C.	Four Japanese Melodramas	National Endowment for the Humanities	$40,000	11
Department or Office:	Electrical Engineering			
Bernstein, Gary H. Fay, Patrick J. Snider, Gregory L.	Quilt Packaging for Novel Computer Architectures	21st Century Research & Technology Fund	$263,871	24

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Collins, Oliver M.	Calculating and Achieving Capacity on the Unknown Fading MIMO Channel	National Science Foundation	$467,650	36
Costello, Daniel J. Fuja, Thomas E.	Collaborative Research: Graph-based Code Designs-From Theory to Practice	National Science Foundation	$377,931	36
Jena, Debdeep Kuno, Masaru K.	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	$151,748	36
Lemmon, Michael D. Talley, Jeffrey W.	Advanced Technologies for Command Control of Combined Sewer Networks	Corporate Funding	$214,253	24
Merz, James L.	Electronic and Optical Studies of Self-Assembled Quantum Structure Arrays	University of Virginia	$20,000	9
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H.	Multispectral Nanoantennas Infrared Sensors	Corporate Funding	$125,000	21
Seabaugh, Alan C.	III-V Tunnel SRAM	Corporate Funding	$525,001	36

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Tabuada, Paulo Haenggi, Martin Chaudhary, Amitabh	In-Network Computation for Control over Sensor-Actuator Networks	National Science Foundation	$623,004	36
Department or Office:	English			
Hart, Kevin J.	The New French Phenomenology and Religion	National Endowment for the Humanities	$40,000	11
Lander, Jesse M.	"They Say That Miracles are Past". Staging the Supernatural in Shakespeare's England	Union Theological Seminary	$50,000	6
Department or Office:	German and Russian Languages and Literatures			
Profit, Vera B.	Toward a Literary and Psychological Definition of Human Evil: Friedrich Durrenmatt, Oscar Wilde, Max Frisch	National Endowment for the Humanities	$40,000	11
Department or Office:	Institute for Latino Studies			
Zurita, Martha	Existing Conditions Assessment	Corporate Funding	$25,200	4
Department or Office:	Mathematics			
Alber, Mark S.	Multiscale Computational ToolKit for Modeling Thrombus Development	National Institutes of Health	$207,500	12
Sommese, Andrew J.	Subcontract Agreement for Andrew Sommese	University of Minnesota	$27,000	4

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Sommese, Andrew J. Ladwig, J. P.	Thomson ISI/ASIS & T Citation Analysis Research Grant	Private Foundation	$3,000	12
Department or Office: Physics				
Barabasi, Albert-Laszlo	Genomic Analysis of Network Perturbations in Human Disease	Private Foundation	$257,500	12
Bennett, David P.	Gravitational Microlensing Planet Search Observations and Analysis	National Aeronautics and Space Administration	$353,876	36
Blackstead, Howard A.	Ultra High Speed Electronics with Bipolar Superconductor Devices	Corporate Funding	$50,000	12
Garnavich, Peter M.	Imaging Dust Near Type Ia Supernovae: A New Light Echo Candidate	National Aeronautics and Space Administration	$31,650	16
Garnavich, Peter M.	Sweeping Away the Dust: Reliable Dark Energy with Infrared Hubble Diagram	National Aeronautics and Space Administration	$40,000	16
Hildreth, Michael D.	A Demonstration of the Electronic and Mechanical Stability of a BPM-Based Energy Spectormeter for the International Linear Collider	University of Oregon	$96,000	24

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Howk, Jay C. Balsara, Dinshaw S.	High-Velocity Clouds in the Galactic Environment: A Numerical Study Motivated by Observations	National Aeronautics and Space Administration	$158,417	36
Rettig, Terrence W. Balsara, Dinshaw S.	Observational and Theoretical Constraints on Dust Settling and Growth in Protostellar Disks	National Aeronautics and Space Administration	$344,336	36
Ruggiero, Steven T. Lieberman, Marya Tanner, Carol E.	Wide Response Thin-Film Toxin Sensor	National Institutes of Health	$174,828	12
Wayne, Mitchell R.	Scintillator Based Muon System R & D for a Linear Collider	University of Oregon	$32,500	24
Department or Office:	Political Science			
Hui, Tin-bor V.	Toward a Multicultural Approach to the Liberal Peace: A Comparison of Historical China and Historical Europe	Private Foundation	$14,900	1
Department or Office:	Program of Liberal Studies			
Mongrain, Kevin J.	Poetics and Doxology: Hans Urs von Balthasar on the Central Role of the Poets in Christian Theology	National Endowment for the Humanities	$40,000	11

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Psychology			
Boker, Steven M.	Hormones and Disordered Eating: Phenotypic/Genetic Links	Michigan State University	$24,828	12
Boker, Steven M.	Open Mx: Multipurpose Software for Statistical Modeling	Virginia Commonwealth University	$113,625	12
Merluzzi, Thomas V. Pope-Davis, Donald B.	Cultural Analysis of the Cancer Behavior Inventory	National Institutes of Health	$161,250	12
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten Comic Book Project	Private Foundation	$5,000	12
Department or Office:	Romance Languages and Literatures			
Amago, Samuel	Immigration, Transnationalism, and the Globalization of New Spanish Cinema	National Endowment for the Humanities	$40,000	11
Department or Office:	Sociology			
Cardenas, Gilberto	The Midwest Latino Arts Documentary Heritage Project	Private Foundation	$89,600	12
Cardenas, Gilberto Ready, Timothy	Report on Hispanic Housing in the United States	Corporate Funding	$45,000	12

Proposals submitted during the period May-01-2006 to May-31-2006

Investigator(s)	Title	Sponsor	Dollars	Months
Proposals for Instructional Programs				
Department or Office:	Center for Social Concerns			
Pettit, Rebecca T.	Summer Food Program/National Youth Sports Program	Department of Agriculture	$0	1
Pettit, Rebecca T.	National Youth Sports Program	Private Foundation	$26,624	2
Pettit, Rebecca T.	National Youth Sports Program	Private Foundation	$53,247	1
Department or Office:	Physics			
Furdyna, Jacek K.	Support for 35th International School on the Physics of Semiconducting Compounds	Department of the Air Force	$5,000	12
Department or Office:	Snite Museum of Art			
Loving, Charles R.	Summer of 2006 High School Artist Apprenticeship Program at the Snite Museum of Art, University of Notre Dame	Private Foundation	$5,000	1

Awards and Proposal Summary

Centers and Institutes Report

05/01/2006 to 05/31/2006

Awards Received

Department or Office	No.	Amount
Center for Children and Families	1	$405,866
Center for Flow Physics and Control	2	$240,002
Center for Global Health and Infectious Diseases	1	$632,372
Center for Transgene Research	1	$1,760,503
Kellogg Institute for International Studies	1	$75,000
Nano Science and Technology Center	2	$50,000
Nuclear Structure Laboratory	1	$1,400,000
Total:	**9**	**$4,563,743**

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	$3,000
Center for Astrophysics	5	$928,279
Center for Children and Families	1	$2,048,278
Center for Flow Physics and Control	3	$632,128
Center for Global Health and Infectious Diseases	2	$316,515
Center for Social Concerns	3	$79,871
Center for Transgene Research	1	$375,000
Center for Zebrafish Research	1	$262,500
Freimann Life Science Center	1	$2,925
Institute for Latino Studies	3	$159,800
Interdisciplinary Center for the Study of Biocomplexity	1	$207,500
Nano Science and Technology Center	5	$1,085,620
Radiation Laboratory	1	$348,900
Snite Museum of Art	1	$5,000
Walther Cancer Research Center	2	$440,363
Total:	**31**	**$6,895,679**

Awards and Proposal Summary

Centers and Institutes Report

07/01/2005 to 05/31/2006

Awards Received

Department or Office	No.	Amount
Alliance for Catholic Education	1	$45,750
Center for Astrophysics	6	$330,814
Center for Children and Families	3	$2,268,456
Center for Flow Physics and Control	20	$2,212,213
Center for Global Health and Infectious Diseases	15	$7,754,407
Center for Microfluidics and Medical Diagnostics	1	$60,000
Center for Molecularly Engineered Materials	2	$32,928
Center for Transgene Research	3	$2,419,641
Center for Zebrafish Research	5	$1,180,230
Environmental Molecular Science Institute	1	$21,750
Environmental Research Center	2	$14,655
Freimann Life Science Center	4	$239,482
Institute for Church Life	4	$518,546
Institute for Educational Initiatives	1	$36,125
Institute for Latino Studies	13	$819,748
Interdisciplinary Center for the Study of Biocomplexity	2	$365,175
John A. Kaneb Center for Teaching and Learning	1	$233,000
Joint Institute for Nuclear Astrophysics	2	$23,035
Kellogg Institute for International Studies	2	$80,000
Kroc Institute for International Peace Studies	2	$85,244
Medieval Institute	2	$34,585
Nano Science and Technology Center	20	$3,734,607
Nanovic Institute	1	$2,600
Natl. Cons. for Grad. Degrees for Minorities, Engr & Science	1	$85,000
Nuclear Structure Laboratory	3	$3,450,000
Radiation Laboratory	11	$4,189,568
Robinson Community Learning Center	1	$30,000
South Bend Center for Medical Education	2	$276,249
Walther Cancer Research Center	3	$710,500
Total:	**134**	**$31,254,308**

Proposals Submitted

Department or Office	No.	Amount
Alliance for Catholic Education	2	$243,225

Awards and Proposal Summary

Centers and Institutes Report

07/01/2005 to 05/31/2006

Department or Office	No.	Amount
Center for Applied Mathematics	3	$601,154
Center for Astrophysics	20	$3,518,946
Center for Children and Families	10	$5,689,991
Center for Environmental Science and Technology	5	$2,080,167
Center for Ethics and Culture	1	$1,600,000
Center for Flow Physics and Control	36	$9,375,497
Center for Global Health and Infectious Diseases	26	$15,292,104
Center for Microfluidics and Medical Diagnostics	7	$2,520,991
Center for Molecularly Engineered Materials	4	$1,018,113
Center for Social Concerns	4	$102,371
Center for Transgene Research	10	$5,055,659
Center for Zebrafish Research	9	$1,934,219
Environmental Molecular Science Institute	1	$21,750
Environmental Research Center	4	$3,603,664
Freimann Life Science Center	8	$885,641
Institute for Church Life	4	$623,020
Institute for Latino Studies	22	$5,350,797
Institute for Theoretical Sciences	7	$3,191,410
Interdisciplinary Center for the Study of Biocomplexity	3	$866,689
Joint Institute for Nuclear Astrophysics	3	$158,035
Kellogg Institute for International Studies	5	$3,774,896
Keough Institute for Irish Studies	3	$479,169
Kroc Institute for International Peace Studies	5	$626,638
Medieval Institute	3	$100,000
Nano Science and Technology Center	67	$21,841,658
Natl. Cons. for Grad. Degrees for Minorities, Engr & Science	1	$255,000
Nuclear Structure Laboratory	2	$545,595
Radiation Laboratory	7	$1,155,846
Reilly Center for Science, Technology and Values	2	$762,794
Robinson Community Learning Center	3	$71,000
Snite Museum of Art	1	$5,000
Walther Cancer Research Center	6	$1,780,036
Total:	**294**	**$95,131,075**

Awards received during the period May-01-2006 to May-31-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Awards for Research				
Department or Office: Center for Children and Families				
Cummings, E. M. Maxwell, Scott E. Darby, John (Center or Institute)	Children and Political Violence in Northern Ireland	National Institutes of Health	$405,866	006518-001
Department or Office: Center for Flow Physics and Control				
Jumper, Eric J. (Center or Institute)	Aero-Optics Research and Development	Corporate Funding	$30,002	006788-001
Corke, Thomas C. Fay, Patrick J. (Center or Institute)	High-Bandwidth High-Resolution Plasma Sensor for Hypersonic Flow Measurements: Phase II Proposal	Corporate Funding	$210,000	006468-001
Department or Office: Center for Global Health and Infectious Diseases				
Severson, David W. Streit, Thomas G. Romero-Severson, Jeanne (Center or Institute)	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	$632,372	006275-001
Department or Office: Center for Transgene Research				
Castellino, Francis J. (Center or Institute)	Pathophysiologies Involving Hemostasis-Related Genes	National Institutes of Health	$1,760,503	006236-001
Department or Office: Kellogg Institute for International Studies				
Ferreira Gould, Isabel A. Mainwaring, Scott P. (Center or Institute)	Portuguese Program	Private Foundation	$75,000	006787-001
Department or Office: Nano Science and Technology Center				
Fay, Patrick J. (Center or Institute)	X-band InGaP HBT T/R Modules	Corporate Funding	$30,000	006793-001

Awards received during the period May-01-2006 to May-31-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Lieberman, Marya Porod, Wolfgang (Center or Institute)	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	$20,000	006349-001
Department or Office: Nuclear Structure Laboratory				
Wiescher, Michael C. Garg, Umesh Collon, Philippe A. (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$1,400,000	006528-001

Proposals submitted during the period May-01-2006 to May-31-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Proposals for Research				
Department or Office:	Center for Applied Mathematics			
Sommese, Andrew J. Ladwig, J. P.	Thomson ISI/ASIS & T Citation Analysis Research Grant	Private Foundation	$3,000	06110770
Department or Office:	Center for Astrophysics			
Garnavich, Peter M.	Sweeping Away the Dust: Reliable Dark Energy with Infrared Hubble Diagram	National Aeronautics and Space Administration	$40,000	06110737
Garnavich, Peter M.	Imaging Dust Near Type Ia Supernovae: A New Light Echo Candidate	National Aeronautics and Space Administration	$31,650	06110738
Bennett, David P.	Gravitational Microlensing Planet Search Observations and Analysis	National Aeronautics and Space Administration	$353,876	06110773
Rettig, Terrence W. Balsara, Dinshaw S.	Observational and Theoretical Constraints on Dust Settling and Growth in Protostellar Disks	National Aeronautics and Space Administration	$344,336	06110785
Howk, Jay C. Balsara, Dinshaw S.	High-Velocity Clouds in the Galactic Environment: A Numerical Study Motivated by Observations	National Aeronautics and Space Administration	$158,417	06110777
Department or Office:	Center for Children and Families			
Borkowski, Mary B. Hernandez, Edwin I. Cummings, E. M.	Enhancing Parenting Practices	Private Foundation	$2,048,278	06110775

Proposals submitted during the period May-01-2006 to May-31-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Flow Physics and Control			
Morris, Scott C. Corke, Thomas C.	Aero-Mechanical Coupling in a High Speed Compressor	Department of the Air Force	$309,431	06110706
Corke, Thomas C. Thomas, Flint O.	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	$180,770	06110720
Renaud, John E.	Nonlinear Crachworthiness Design Tool Development Using Cellular Automata	Corporate Funding	$141,927	06110728
Department or Office:	Center for Global Health and Infectious Diseases			
Ferdig, Michael T.	Transcriptional Network Analysis in Malaria Parasites	National Institutes of Health	$139,015	06110707
Fraser, Malcolm J.	A Novel Transgenic Silkworm System for Recombinant Glycoprotein Production	University of Wyoming	$177,500	06110782
Department or Office:	Center for Transgene Research			
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	$375,000	06110760
Department or Office:	Center for Zebrafish Research			
Maaswinkel, Hans Li, Lei	Visual Spatio-Temporal Tuning in Neurotoxicological and Mutant Zebrafish Models of Parkinson's Disease	National Institutes of Health	$262,500	06110783

Proposals submitted during the period May-01-2006 to May-31-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Surgical Adhesion Barrier	Corporate Funding	$2,925	06110778
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto Ready, Timothy	Report on Hispanic Housing in the United States	Corporate Funding	$45,000	06110719
Cardenas, Gilberto	The Midwest Latino Arts Documentary Heritage Project	Private Foundation	$89,600	06110745
Zurita, Martha	Existing Conditions Assessment	Corporate Funding	$25,200	06110786
Department or Office:	Interdisciplinary Center for the Study of Biocomplexity			
Alber, Mark S.	Multiscale Computational ToolKit for Modeling Thrombus Development	National Institutes of Health	$207,500	06110739
Department or Office:	Nano Science and Technology Center			
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H.	Multispectral Nanoantennas Infrared Sensors	Corporate Funding	$125,000	06110721
Seabaugh, Alan C.	III-V Tunnel SRAM	Corporate Funding	$525,001	06110735

Proposals submitted during the period May-01-2006 to May-31-2006

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Merz, James L.	Electronic and Optical Studies of Self-Assembled Quantum Structure Arrays	University of Virginia	$20,000	06110744
Jena, Debdeep Kuno, Masaru K.	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	$151,748	06110741
Bernstein, Gary H. Fay, Patrick J. Snider, Gregory L.	Quilt Packaging for Novel Computer Architectures	21st Century Research & Technology Fund	$263,871	06110774
Department or Office:	Radiation Laboratory			
Kuno, Masaru K. Kamat, Prashant V.	Solution Based Nanowire Heterostructure Assemblies for Photovoltaic Applications	Department of Energy	$348,900	06110750
Department or Office:	Walther Cancer Research Center			
Miller, Marvin J. Chang, Mayland	Chemistry-Biochemistry-B Interface Training Program at Notre Dame	National Institutes of Health	$190,583	06110725
D'Souza-Schorey, Crislyn	Membrane Recycling in NPC	Private Foundation	$249,780	06110733

Proposals for Instructional Programs

Department or Office:	Center for Social Concerns			
Pettit, Rebecca T.	National Youth Sports Program	Private Foundation	$26,624	06110715

Proposals submitted during the period May-01-2006 to May-31-2006

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Investigator(s)	Title	Sponsor	Dollars	Proposal #
Pettit, Rebecca T.	National Youth Sports Program	Private Foundation	$53,247	06110716
Pettit, Rebecca T.	Summer Food Program/National Youth Sports Program	Department of Agriculture	$0	06110717
Department or Office:	Snite Museum of Art			
Loving, Charles R.	Summer of 2006 High School Artist Apprenticeship Program at the Snite Museum of Art, University of Notre Dame	Private Foundation	$5,000	06110705

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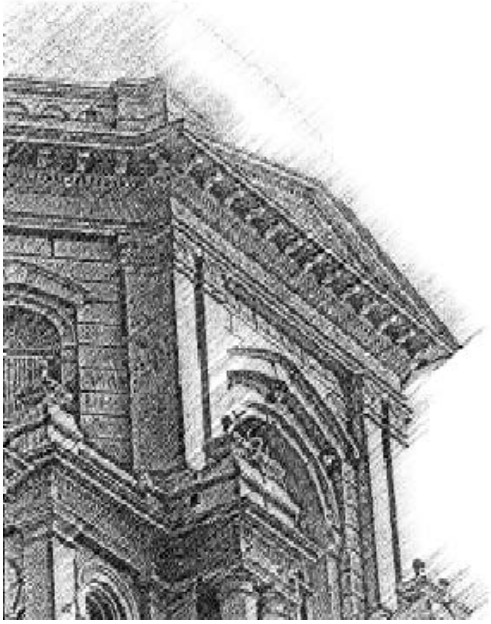

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