

# Notre Dame Report



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# Faculty Notes

## Honors

**Kevin J. Christiano**, associate professor of sociology, has been elected to a three-year term (2007–10) as secretary-treasurer of the Section on the Sociology of Religion of the American Sociological Association.

**Roger F. Jacobs**, associate dean and director emeritus of the Kresge Law Library, received the Marion Gould Gallagher Distinguished Service Award from the American Association of Law Libraries.

**Ahsan Kareem**, the Moran Professor of Civil Engineering and Geological Sciences, has been appointed chair of the advisory board of the Engineering Mechanics Division of the American Society of Civil Engineers. In addition, Kareem was also recently named advisory professor at Tongji Univ. in Shanghai, one of only four such appointments in the long history of the civil engineering program in Tongji, which is rated number one in the field in China.

**Ralph McNerny**, professor of philosophy, received an honorary doctor of humane letters at Assumption College. McNerny was also appointed to the advisory board of Our Lady of Clear Creek Monastery, Hulbert, Okla.

**Elizabeth S. Moore**, associate professor and Notre Dame Chair of Marketing, was awarded the "Outstanding Reviewer Award" by the *Journal of Public Policy and Marketing*.

**Philip Sakimoto**, professional specialist in physics, was appointed to the board of advisors of the Florida A&M Univ., NSF Center for Astrophysical Science and Technology, and was appointed a member of the International Advisory Council of the Indigenous Education Institute, located in Bluff, Utah.

**Donald E. Sporleder**, professor of architecture emeritus, received a service award for his work as AIA150 Champion for the AIA Northern Indiana Chapter and the AIA150 Blueprint for America Initiatives in South Bend and at the Notre Dame School of

Architecture celebrating the 150th year of the Institute.

## Activities

**Mark S. Alber**, the Notre Dame Professor of Applied Mathematics and concurrent professor of physics, presented "Continuous Limit of a Discrete Stochastic Model for Interaction of Living Cells," an invited talk, at the Univ. of Chicago on May 30; an invited talk, "Models of Fruiting Body Formation and Swarming in Myxobacteria," on May 30 at the "Indy Regional Bioinformatics Conference"; and "Continuous Limit of a Discrete Stochastic Model for Interaction of Living Cells" at the "Mathematical Issues in Stochastic Approaches for Multiscale Modeling" in Berkeley, Calif., May 21–25.

**J. Douglas Archer**, librarian, presented "Intellectual Freedom, the Internet and Private Academic Libraries" as a panelist at the "Celebrating the Library Bill of Rights" pre-conference sponsored by the Intellectual Freedom Round Table at the American Library Association's annual meeting in Washington, D.C., on June 21.

**Jeffrey Bergstrand**, professor of finance, presented "Regional and Inter-Regional Trade Agreements: Examining Their Role for the Middle East" at the conference "Globalization in the 21st Century," hosted by the Emirates Center for Strategic Studies and Research, Abu Dhabi, United Arab Emirates (in conjunction with the Cohen Center for International Policy and Commerce of the Univ. of Maine), April 23–25; and "A Knowledge-and-Physical-Capital Model of International Trade Flows, Foreign Direct Investment, and Multinational Enterprises," coauthored with P. Egger, at the conference "Is Free Trade Still Optimal in the 21st Century?" at Brandeis Univ., in Waltham, Mass., on June 15.

**Sunny Boyd**, professor of biological sciences, presented "Effect of Intracerebro-ventricular Arginine Vasotocin on a Female Amphibian Proceptive Behavior"

at the national meeting of the Society for Behavioral Neuroendocrinology in Pacific Grove, Calif., June 20–25.

**Ian Carmichael**, professor of chemistry and biochemistry and director of the Radiation Laboratory, presented the plenary address "The Interplay of Theory and Experiment in Radiation Chemistry" at the "2007 European Young Investigators Conference," Slubice, Poland, June 13–17.

**Kevin J. Christiano**, associate professor of sociology, served as presider in the sessions on "Religion in Social Contexts" and "Religion IN and AS Culture" at the joint annual meetings of the North Central Sociological Association and the Midwest Sociological Society, in Chicago, April 4 and 5; and moderated the panel on "Sociology of Religion and History" at the "Warner Research Symposium" at the Univ. of Illinois at Chicago on June 2.

**Thomas Cosimano**, professor of finance, presented the paper "Experimentation and Monetary Control Problems Using the Perturbation Method," written with M. Gapen (International Monetary Fund), for the Board of Governors of the Federal Reserve System, Washington, D.C., on March 16.

**Rev. Robert A. Dowd, C.S.C.**, assistant professor of political science, presented "The Religious Factor in African Politics: Evidence from Nigeria" at the conference titled "Religious, Ideas, Institutions and Transitions to Democracy in Africa" held at the Univ. of California, Los Angeles, May 17–18.

**John Duman**, the Gillen Professor of Biological Sciences, presented "Insect Antifreeze Proteins and Related Adaptations" at the Hopkins Marine Station in Monterrey, Calif., May 18.

**Peter Easton**, director of the Center for Accounting Research and Education and the Notre Dame Alumni Professor of Accountancy, hosted the 2007 CARE Conference, "Financial Statement Analysis and Valuation: The Quality, Reliability and Relevance of Financial Statements," Yountville, Calif., April 20–21.

**Ed Edmonds**, associate dean for library and information technology in the Kresge Law Library, presented "The Great Dodgers Pitching Tandem Strikes a Blow

for Salaries—the 1966 Drysdale-Koufax Holdout and Its Impact on the Game” at the “19th Cooperstown Symposium on Baseball and American Culture,” cosponsored by the State Univ. of New York at Oneonta and the National Baseball Hall of Fame and Museum, Cooperstown, N.Y., on June 6.

**Georges Enderle**, the Ryan Professor of International Business Ethics and Fellow of the Kellogg Institute and the Nanovic Institute, presented the keynote address on “Wealth Creation and Business Ethics,” conducted a faculty seminar on “Teaching Business Ethics,” and spoke on “Doing Business in China” to the executive MBAs at the Univ. Alberto Hurtado, May 29–31 in Santiago, Chile.

**Leonid Faybusovich**, professor of mathematics, was an invited speaker in the workshop “Convex Optimization and Applications in Control Theory, Probability and Statistics” in CIRM, Luminy, France, April 10–14, where he spoke on “Jordan-Algebraic Aspects of Optimization: Randomization”; and at the workshop “Advances in Optimization,” April 19–21 at the Tokyo Institute of Technology, where he presented “Several Jordan-Algebraic Aspects of Optimization.”

**Umesh Garg**, professor of physics, presented “TSD Bands in  $^{163}\text{Tm}$ : Wobbling vs. Particle Excitations,” a seminar at the Inter University Accelerator Center, New Delhi, on Dec. 22 and at the Bhabha Atomic Research Center, Mumbai, on Jan. 9; a colloquium titled “Nuclear Incompressibility: How Far Can You Squeeze a Star?” at the Florida International Univ., Miami, on Jan. 26; and an invited talk titled “The Giant Monopole Resonance in the  $^{112-124}\text{Sn}$  Isotopes and the Symmetry Energy Term in Nuclear Incompressibility” at the “International Nuclear Physics Conference” (INPC2007), Tokyo, June 3–8.

**John F. Gaski**, associate professor of marketing, appeared as a guest on the WNIT Television program *Michiana Speaks* (hosted by adjunct instructor Gary J. Sieber) of the Dept. of Film, Television, and Theatre) on May 24, to discuss the topic of rising gasoline prices.

**Kenneth Henderson**, associate professor of chemistry and biochemistry, presented the invited talk “Mechanism of Magnesium Bis(amide) Enolizations” at the “Carbanion

Conference” in Madison, Wisc., June 7.

**David Hyde**, professor of biological sciences, presented “Seeing is Believing: Studying Neuronal Regeneration in the Zebrafish Retina” at the Univ. of North Carolina at Chapel Hill, May 15–17.

**Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering, presented the seminar “Nanostructure Hybrid Architectures for Solar Energy Conversion” at Frederick Seitz Mater. Res. Lab., Univ. of Illinois, Urbana, May 23–25; and “SWCNT-Semiconductor Architectures for Photoelectrochemical Solar Cells,” written with **Anusom Kongkanand**, research associate in chemical and biomolecular engineering, at the 29th DOE “Solar Photochemistry Research Conference” in Airlie, Va., June 10–13.

**Marya Lieberman**, associate professor of chemistry and biochemistry, presented an invited seminar at the Univ. of Washington, Seattle, on May 29, titled “Electron Beam Lithography at Self-Assembled Monolayers”; and the invited talk “Self-Assembly of Molecular Electronic Circuitry” at the “NSF Workshop on Molecular Electronics” in Washington, D.C., on June 7.

**David Lodge**, professor of biological sciences, presented “Linking Science and Policy on Invasive Species” at the National Univ. of Singapore, June 4–9; and “Invasive Species in the St. Joe River Basin” to the St. Joe River Basin Commission meeting at Fernwood, Niles, Mich., on June 15.

**John LoSecco**, professor of physics, presented the following at the Double Chooz meeting at the Univ. of Chicago, May 14–15: “Spill in Spill Out Studies,” “Tube Failure Studies,” “Reflecting Wall Studies,” and “Software Tutorial”; and three presentations: “Spill in Out,” on May 30, “The Effects of Phototube Failures on Reconstruction,” May 31, and “Comparing Black and Steel Walls,” May 31, at the Double Chooz Collaboration meeting at the Chooz Nuclear Power Station, Champagne-Ardenne, France.

**Lloyd Hitoshi Mayer**, associate professor of law, presented “What Is This ‘Lobbying’ That We are so Worried About?” an invited talk, at the “Junior Tax Scholars

Conference,” Boston Univ. Law School, on June 9; “Serving on a Charity’s Board: Legal and Ethical Duties in an Age of Accountability,” a continuing legal education seminar, Notre Dame Law School, on June 1; “What’s in a Name? The Wisconsin Right to Life Case,” an invited talk, at the “Notre Dame Law School Journal of Legislation Annual Symposium,” March 29; “Legal Issues for Today’s Nonprofit Managers” at the “Mendoza College of Business Nonprofit Business Excellence Institute,” March 15; “Faith-Based Charity and Crowd Out During the Great Depression” at the “Notre Dame Law School Law & . . .” series, March 1; and “The Tax Code Giveth and Taketh Away: Contemporary Issues in Federal Tax Exemption,” an invited talk, at the Univ. of North Carolina School of “Law First Amendment Law Review Annual Symposium,” on Feb. 16.

**David Mayernik**, associate professor of architecture, delivered the paper “Beyond Contextualism: A Critical Approach to Stitching Cities Together” at the scholarly papers session of the “XV Congress for the New Urbanism” in Philadelphia on April 21; and the invited lecture “Timeless and Place-Specific: The Classical Language of Art and Architecture” at the Prince’s Foundation’s “The Culture of Building” summer session in Lincoln, England, on July 26.

**Ralph McInerny**, professor of philosophy, presided at two seminars at the Univ. of Palermo, Sicily, on the topic “Dante and the Blessed Virgin,” May 14–15; presented “Christian Philosophy and *praeambula fidei*” at the Lateran Univ., Rome, on May 16; and gave the commencement address at Assumption College on May 12.

**Dan Meisel**, professor of chemistry and biochemistry, presented “Unidirectional Charge Transfer for Energy Conversion,” written with T. Sekayek, A. Vaskevich, and I. Rubinstein, at the DOE solar photochemistry meeting, in Washington, D.C., June 10–13; and “Radiation Induce Redox Catalysis on Naked Metallic Nanoparticles” at the “International Congress of Radiation Research” held in San Francisco, July 8–12.

**Elizabeth S. Moore**, associate professor and Notre Dame Chair of Marketing, provided expert testimony to the Centers for Disease

Control and Prevention on the topic of "Marketing Food to 'Tweens' Online: The Promise and Perils," in Atlanta on May 15; presented the paper "Ready, Set, Play! A Content Analysis of Online Food Marketing to Children" at the annual conference of the International Communication Association, San Francisco, on May 25; and presented an invited talk on "Food Marketing and Childhood Obesity" at the annual "Marketing and Public Policy Conference," Washington, D.C., on June 2.

**Rudolph M. Navari**, adjunct professor of chemistry and biochemistry, and director of the Walther Cancer Research Center, presented "End of Life Decisions by Adults with Cancer: Role of Religious Practices and Spiritual Beliefs" at the 43rd annual meeting of the American Society of Clinical Oncology, June 1–5, in Chicago.

**Rev. Ronald Nuzzi**, director of the ACE Leadership Program, and **James Frabutt**, ACE Leadership faculty and concurrent associate professor of psychology, presented "Educators and Social Justice: Applied Research in Catholic Schools" at the conference "From Evangelization to Discipleship: Integrating Community-Based Learning and Catholic Social Thought," sponsored by the Center for Social Concerns and the Office of Campus Ministry, June 7.

**John O'Callaghan**, associate professor of philosophy and director of the Maritain Center, led a retreat outside of San Antonio, Tex. for Baylor Univ. faculty and staff on "The Vocation to Christian Education," where he presented "Called To What?" and "The Virtues of Christian Education: Friendship, Truthfulness, Humility, and Gratitude"; led a daylong seminar at the Univ. of Chicago on Thomas' Aquinas' work *De ente et essentia* for faculty and graduate students in the Chicago area, for the Lumen Christi Institute in February; presented "Neither Robber Barons nor Philosopher Kings: Political Prudence in the Just Polity" at the conference "The American Experiment: Religious Freedom" at the Univ. of Portland, April 12–14; and spoke on "Aquinas on Love" at a symposium in Munich, Germany, sponsored by the Lumen Christi Institute of Chicago, on June 28.

**Joseph O'Tousa**, professor of biological sciences, presented "Control of Rhabdomere Integrity and Rhodopsin Transport

in *Drosophila* Photoreceptors" at the "Biology and Chemistry of Vision FASEB Research Conference" in Snowmass, Colo., June 16–22.

**Joan M. Phillips**, assistant professor of marketing, presented "The Application of Cognitive Processes to Organizational Surveys: How Informants Report about Interorganizational Relationships," at the "Third International Conference on Establishment Surveys: Survey Methods for Businesses, Farms, and Institutions," Montreal, Quebec, Canada, on June 20.

**Alvin Plantinga**, the O'Brien Professor of Philosophy, presented "Content and Natural Selection" at New York Univ., Oct. 13, 2006; the keynote address, "Christian Belief and Psychology" at the Society for Christian Psychology, Chattanooga, Tenn., Oct. 27, 2006; the keynote address, "An Evolutionary Argument Against Naturalism" for the South African Philosophical Association, Capetown, South Africa, Jan. 18; "An Evolutionary Argument Against Naturalism" at Andrews Univ., Feb. 8; Bethel Lectures in Philosophy, "Divine Action in the World" and "An Evolutionary Argument Against Naturalism," at Bethel College, Mishawaka, March 29; and a panel discussion at New York Univ., "On Intelligent Design," May 10.

**Christian Poehlmann**, assistant librarian for business services, and **Stephen Hayes**, librarian for business services, presented "Mobility of Information: Using Pendragon Forms to Gather Reference Statistics" at the "Special Libraries Annual Conference" in Denver, June 3–6.

**Joseph M. Powers**, associate professor of aerospace and mechanical engineering, gave an invited mini-symposium presentation titled "Approximate Slow Invariant Manifolds for Reaction Diffusion Systems" at the "SIAM Conference on Applications of Dynamical Systems," Snowbird, Utah, May 28–June 1.

**Frank Reilly**, the Hank Professor of Finance, presented "An Analysis of the Evolving Characteristics of the High Yield Bond Market" for the Eastern Finance Association, New Orleans, on April 19.

**Steven W. Semes**, the Rooney Associate Professor of Architecture, presented "The Future of the Past" for the Preservation

Foundation of Palm Beach in Palm Beach, Fla., on Feb. 22.

**David Severson**, professor of biological sciences, presented "*Aedes aegypti*: A Genome and Beyond" at the Univ. of California, Riverside, May 21–23.

**Andrew J. Sommese**, the Duncan Professor of Mathematics, presented the colloquium talk "Overview of Numerical Algebraic Geometry," at the Dept. of Mathematics of the Univ. of Connecticut at Storrs on March 15; "An Introduction to Numeric Algebraic Geometry," in the algebra seminar at the Dept. of Mathematics of Colorado State Univ. at Fort Collins on April 17; "Numerical Algebraic Geometry: Using Numerical Analysis to do Algebraic Geometry Computations" at the "*Arbeitsgemeinschaft in Codierungstheorie und Kryptographie*" at the Univ. of Zurich, Switzerland, on May 23; a plenary lecture, "Recent Progress in Numerical Algebraic Geometry," at the "Conference on Algebraic Geometry in Higher Dimensions" held in Levico Terme, Trento, Italy, June 3–9; "A Survey of Numerical Algebraic Geometry" at the "*Oberseminar: Algebraische Geometrie*" at the Univ. of Zurich, Switzerland, on June 11; and a plenary lecture, "Recent Results in Numerical Algebraic Geometry," at the "Conference on Projective Geometry and Commutative Algebra in Applications" in the Dept. of Mathematics, Univ. of Genova, Italy, June 15–16.

**Donald E. Sporleder**, professor of architecture emeritus, reported on the local AIA150 Blueprint for America initiatives at the 2007 American Institute of Architects national convention in San Antonio, Tex., May 2–5.

**James Sullivan**, assistant professor of economics and econometrics, presented "Three Decades of Consumption and Income Poverty" at the Federal Reserve Bank of Chicago, on Feb. 28, and at the Univ. of Chicago on April 24; and "Changes in the Consumption, Income, and Well-Being of Single Mother-Headed Families" at the American Economic Association annual meetings in Chicago, on Jan. 7.

**Jennifer Tank**, the Galla Associate Professor of Biological Sciences, presented "Nutrient Cycling in Streams Draining Agricultural Land Use" at the Univ. of South Carolina in Columbia, June 4–8.

**Ann E. Tenbrunsel**, professor of management, presented “Where Did I Go Wrong? A Cautionary Tale of Ethical Fading” at the “American Bar Association National Conference on Corporate Social Responsibility” in Chicago on May 31.

**Richard Taylor**, professor of chemistry and biochemistry, presented the invited lecture “Evaluation of Polyketide Inhibitors of Protein Synthesis” at the American Society of Pharmacognasy meeting in Portland, Me., July 14–18.

**Kevin Vaughan**, associate professor of biological sciences, presented “Microtubule Dependent Transport of NPC Membranes” at the Parseghian Foundation scientific meeting, May 31–June 5; and “Dynein Dephosphorylation as a Molecular Switch for the Spindle Assembly Checkpoint” at the Chromosome Segregation and Aneuploidy annual meeting in Finland, June 15–22.

**John P. Welle**, professor of Romance languages and literatures, and concurrent professor of film, television, and theatre, presented the paper “The Magic Lantern and the Illustrated Book: Making Italians in Carlo Collodi’s *La lanterna magica di Giannettino*,” at the annual conference of the American Association for Italian Studies, Colorado College, Colorado Springs, on May 4.

**Carolyn Y. Woo**, the Gillen Dean and Siegfried Chair in Entrepreneurial Studies, presented “Corporate Philanthropy: How the Mendoza College Prepares Future Business Leaders for the Responsibility of Service Throughout Their Careers” at the “Philanthropy Summit,” South Bend, April 30; “Women and Those Who Follow Us: Some Reflections” for Notre Dame alumnae, Chicago, on May 8; and attended the UN Global Compact and participated in a press briefing in Geneva, Switzerland, on July 5.

**Samir Younés**, the Rooney Director of Rome Studies, taught a two-week summer school in architecture at the Univ. of Bologna, Italy, June 21–July 7. The summer school provided a master plan for a new church, parish buildings, and housing for the city of Morciano in the region of Emilia Romagna.

## Publications

**J. Douglas Archer**, librarian, contributed “CIPA Goes to Court—Again” to *Focus on Indiana Libraries* 61, No. 6 (2007): 12; “Toddlers’ Rules and Bush Administration Information Policies,” to the *IFRT Report* 65 (Summer 2007): nd.edu/~jarcher/ifrt-report/no65.pdf; and “Law for Indiana Librarians” to *Focus on Indiana Libraries* 61, No. 7 (2007): 12.

**Neal M. Cason**, professor of physics, published “Measurement of the Cross Section in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV using Secondary Vertex b-Tagging” with the Dzero Collaboration (**Anna Goussiou**, assistant professor of physics; **Michael D. Hildreth**, associate professor of physics; **Monika Lynker**, guest assistant professor of physics; **Prolay K. Mal**, research associate in physics; **Y. Pogorelov**; **Randal C. Ruchti**, professor of physics; **Jadwiga Warchol**, research professor of physics; **Mitchell R. Wayne**, chair and professor of physics; et al.), *Phys. Rev. D* 74 (2006): 112004.

He also published the following with the Dzero Collaboration: “Measurements of the Isolated Photon Cross Section in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *Phys. Lett. B* 639 (2006): 151; “Direct Limits on the  $B_s^0$  Oscillation Frequency,” *Phys. Rev. Lett.* 97 (2006): 021802; “Measurement of  $B(t \rightarrow bW)/B(t \rightarrow qW)$  at  $\sqrt{s}=1.96$  TeV,” *Phys. Lett. B* 639 (2006): 616; “Search for the Rare Decay  $B_s^0 \rightarrow \phi \mu^+ \mu^-$  with the D0 Detector,” *Phys. Rev. D* RC 74 (2006): 031107; “Search for Particles Decaying to a Z Boson and a Photon in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *Phys. Lett. B* 641 (2006): 415; “Search for R-Parity Violating Supersymmetry via the LLE Couplings  $\Lambda_{121}$ ,  $\Lambda_{122}$ , or  $\Lambda_{133}$  in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *ibid.* 638 (2006): 441; “Search for Neutral Higgs Bosons Decaying to Tau Pairs in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *Phys. Rev. Lett.* 97 (2006): 121802; “Measurement of the  $B_s^0$  Lifetime Using SemiLeptonic Decays,” *Phys. Rev. Lett.* 97 (2006): 241801; “Search for Resonant 2nd Generation Slepton Production at the Tevatron,” *ibid.* 111801; “Search for Heavy Resonance Decaying into a Z+jet Final State in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV using the D0 Detector,” *Phys. Rev. D* RC 74 (2006): 100104; “Search for Neutral Long Lived Particles Decaying to Two Muons

in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *Phys. Rev. Lett.* 97 (2006): 161802; “Search for Associated Higgs Boson Production  $WH \rightarrow WWW \rightarrow \ell\ell^\pm + X$  in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *ibid.* 151804; “Search for the W’ Decay in the Top Quark Channel,” Dzero Collaboration, V.M. Abazov et al., *Phys. Lett. B* 641 (2006): 423; “Search for Pair Production of Scalar Bottom Quarks in  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *Phys. Rev. Lett.* 97 (2006): 171806; “Limits on Anomalous Trilinear Gauge Couplings from  $WW \rightarrow ee$ ,  $WW \rightarrow e\mu$ ,  $WW \rightarrow \mu\mu$  Events from  $\bar{p}p$  Collisions at  $\sqrt{s}=1.96$  TeV,” *Phys. Rev. D* Brief Rep. 74 (2006): 057101; “Search for the Standard Model Higgs Boson in the  $\bar{p}p \rightarrow ZH \rightarrow \nu\bar{\nu}b\bar{b}$  Channel,” *Phys. Rev. Lett.* 97(2006): 161803; “Search for Scalar Leptoquarks in the Acoplaner Jet Topology,” *Phys. Lett. B* 640 (2006): 230; “Measurement of the CP-Violating Parameter of  $B^0$  Mixing and Decay in the  $\bar{p}p \rightarrow \mu\mu X$  Data,” *Phys. Rev. D* 74 (2006): 092001; and “Measurement of  $B_d$  Mixing Using Opposite-Side Flavor Tagging,” *ibid.* 112002.

**Marian E. Crowe**, visiting scholar in the Program of Liberal Studies, published *Aiming at Heaven, Getting the Earth: The English Catholic Novel Today* (Lexington Books: 2007).

**Norman Crowe**, professor of architecture, published “The Hidden Influence of Historical Scholarship on Design,” a chapter in the anthology *The Green Braid: Towards an Architecture of Ecology, Economy, and Equity*, K. Tanzer and R. Longoria, editors (Routledge, 2007): 101–12.

**Umesh Garg**, professor of physics, published “Evidence for Direct Neutron Decay of the Isoscalar Giant Dipole Resonances in  $^{90}\text{Zr}$ ,  $^{116}\text{Sn}$ , and  $^{208}\text{Pb}$ ” with M. Hunyadi et al., *Phys. Rev. C* 75 (2007): 014606; and “Lifetime Measurements of Triaxial Strongly Deformed Bands in  $^{163}\text{Tm}$ ” with **Stefan Frauendorf**, professor of physics, X. Wang, graduate assistant **Yingqiong Gu**, T. Li, et al., *Physical Review D* 75 (2007): 064315 (8 pages).

**John F. Gaski**, associate professor of marketing, published “A Comment on Selected Wilkie and Moore-Inspired Commentaries in ‘The Sages Speak,’” *Journal of Public Policy & Marketing* 26, No. 1 (Spring 2007): 126–30.

**Joachim Görres**, research professor of physics, published “Two Neutron Capture Reactions and the r-Process” with **Grant J. Mathews**, professor of physics and director of the Center for Astrophysics; **Michael D. Wiescher**, the Freimann Professor of Physics; et al., *Phys. Rev. C* 74 (2006): 015802.

**Chuanjiang Hu**, research assistant professor of chemistry and biochemistry, published “The Highly Saddled Octaethyltetraphenylporphyrin- $[H_4OETPP]$  Dichloride Toluene 1.33-Solvate” with **Bruce C. Noll**, research associate professor of chemistry and biochemistry, and **W. Robert Scheidt**, professor of chemistry and biochemistry, in *Acta Crystallographica Section E* 63, part 7 (July) *Structure Reports Online*: scripts.iucr.org/cgi-bin/paper?pk2027.

**Ireneusz Janik**, faculty member in the Radiation Lab, published “Hydroxyl Radical Self-Recombination Reaction and Absorption Spectrum in Water Up to 350 °C” with **David M. Bartels**, professional specialist in the Radiation Lab and C.D. Jonah, *J. Phys. Chem. A* 111, No. 10 (2007): 1835–43.

**Grant Mathews**, professor of physics and director of the Center for Astrophysics, published “Observational Constraints on Accelerating Brane Cosmology with Exchange Between the Bulk and Brane” with K. Umezu et al., *Physical Review D* 73 (2006): 063527; “Light-Element Reaction Flow and the Conditions for r-Process Nucleosynthesis” with T. Sasaqui and T. Kajino, *Astrophys. J.* 645 (2006): 1345–51; “Constraints on the Evolution of the Primordial Magnetic Field from the Small Scale CMB Angular Anisotropy” with D. Yamazaki et al., *ibid.* 646: 719–29; “Neutron-Capture Elements in the Metal-Poor Globular Cluster M15” with K. Otsuki et al., *ibid.* 641: L117–20; “Inhomogeneous Big Bang Nucleosynthesis Revisited” with J.F. Lara and T. Kajino, *Phys. Rev. D* 73 (2006): 083501; “Early Star Formation Nucleosynthesis, and Chemical Evolution in Proto-Galactic Clouds” with L. Saleh and T.C. Beers, *J. Phys. G: Nucl Part. Phys.* 32 (2006): 681–712; “Analysis of White Dwarfs with Strange-Matter Cores” with I.-S. Suh et al., *ibid.*: 747–59; “ $^6\text{Li}$  Production by the Radiative Decay of Long-Lived Particles” with M. Kusakabe and T. Kajino, *Phys. Rev. D* 74 (2006): 023526; “Cosmological

Search for Extra Dimensions and Parallel Universes” in *Inflating Horizon of Particle Astrophysics and Cosmology*, H. Suzuki et al., eds. (Tokyo : Universal Academy Press, Inc., 2006): 207–8; “Constraints of Cosmological Magnetic Field from Likelihood Analysis” with D.G. Yamazaki et al., *ibid.*: 215–6; and “On the Origin of Dark Energy in Brane World Cosmology” with K. Ichiki et al., in *Origin of Matter and Evolution of Galaxies: International Symposium on Origin of Matter and Evolution of Galaxies 2005: New Horizon of Nuclear Astrophysics and Cosmology*, AIP Conf. Proc. 847 (2006): 15–20.

**Lloyd Hitoshi Mayer**, associate professor of law, published “Grasping Smoke: Enforcing the Prohibition on Campaign Intervention by Charities,” 6 *First Amend. L. Rev.* (fall 2007); and “The Much Maligned 527 and Institutional Choice,” 87 *B.U. L. Rev.* (June).

**Ralph McInerney**, professor of philosophy, published “Grisez and Thomism” in translation by C. Casanova as “Grisez y el Tomismo,” *Intus-Legere: Anuario de Filosofía* 2, No. 9 (Vina del Mar, Chile: Universidad Adolfo Ibanez Facultad de Humanidades, 2006).

**James S. O'Rourke IV**, concurrent professor of management and the O'Neill Director of the Fanning Center for Business Communication, is coauthor of “Google in China: Government Censorship and Corporate Reputation,” *Journal of Business Strategy* 28, No. 3 (May–June 2007): 12–25, with B. and A. Ogilvy.

**Alvin Plantinga**, the O'Brien Professor of Philosophy, published *Knowledge of God* with M. Tooley (Blackwell: 2007).

**Steven W. Semes**, the Rooney Associate Professor of Architecture, published “Differentiated and Compatible: Four Strategies for New Architecture in Historic Settings” in *Forum Journal* (summer); and a review of *James Marston Fitch: Selected Writings on Architecture, Preservation, and the Built Environment* (W.W. Norton & Co., 2007) in *Traditional Building* (June).

**Felicia A. Smith**, librarian-in-residence, Hesburgh Library, published “J.A.W.S.: A Historical Perspective” in the *Journal of Electronic Publishing* 10, No. 2 (spring 2007).

**Mark A. Suckow**, research associate professor and director of the Freimann Animal Care Facility, published “Prevention of Human PC-346C Prostate Cancer Growth in Mice by a Xenogeneic Vaccine” with E.D. Rosen; **William R. Wolter**, senior research technician in the Freimann Animal Care Facility; **Valerie Sailes**, research technician in the Freimann Animal Care Facility; **Randy Jeffrey**, graduate student in the College of Science; and **Martin Tenniswood**, professor of biological sciences, in *Cancer Immunology Immunotherapy* 56 (2007): 1275–283. Suckow also published “Surgical Repair of Experimental Achilles Tenotomy with Porcine Renal Capsule Material in a Rat Model” with J.P. Hodde, William R. Wolter, and M.C. Hiles, *Journal of Materials Science: Materials in Medicine* 18 (2007): 1105–10.

**John P. Welle**, professor of Romance languages and literatures and concurrent professor of film, television, and theatre, published translations of the following poems (with R. Feldman): “For Eugenio Montale on His Eightieth Birthday,” “In Memory of Pasolini,” “from ‘Small and Humble Occupations,’” “Herdsmen,” “Spinners,” “Washerwomen,” and “Docile, reluctant,” in *The Selected Poetry and Prose of Andrea Zanzotto: A Bilingual Edition*, ed. and trans. P. Barron (Chicago and London: Univ. of Chicago Press, 2007): 265–73; 277–9.

**Michael D. Wiescher**, the Freimann Professor of Physics, published “Origin of the Main r-Process Elements” with **Joachim Görres**, research professor of physics, and **Grant J. Mathews**, professor of physics and director of the Center for Astrophysics, et al., *Origin of Matter and Evolution of Galaxies: International Symposium on Origin of Matter and Evolution of Galaxies 2005: New Horizon of Nuclear Astrophysics and Cosmology*, AIP Conf. Proc. 847 (2006): 227–32.

# Administrators' Notes

## Activities

**Alan S. Bigger**, director of Building Services, presented a seminar titled "Carpe Diem: Seize the Day, Before It Seizes You!" to the Northern Indiana Chapter of the International Executive Housekeepers Association (IEHA) on June 27 at the Univ. of Notre Dame.

## Publications

**Alan S. Bigger**, director of Building Services, published "Contract vs. In-House Staff: Finding the Right Source for Custodial and Maintenance Operations" with L.B. Bigger in *The Bulletin* 75, No. 3 (May): [acui.org/publications/bulletin/article.aspx?issue=448&id=2298](http://acui.org/publications/bulletin/article.aspx?issue=448&id=2298); "The Customer as Boss—Know the Boss!" at [issa.com/knowledgecenter/index.jsp?cat1=3&cat2=121&type=articles&id=2520](http://issa.com/knowledgecenter/index.jsp?cat1=3&cat2=121&type=articles&id=2520); "The Chemistry of Leadership Balance" with L. Bigger, in *Executive Housekeeping Today* 29, No. 6 (June): 6–8; and "Two Sides of a Coin: Outsourcing Revisited" with L. Bigger, *ibid.* 29, No. 7 (July): 6–8.

**Jose M. Goicoechea**, research associate in chemistry and biochemistry, published "Heteroatomic Deltahedral Clusters: Synthesis and Structures of *closo*-[Bi<sub>3</sub>Ni<sub>4</sub>(CO)<sub>6</sub>]<sup>3-</sup>, *closo*-[Bi<sub>4</sub>Ni<sub>4</sub>(CO)<sub>6</sub>]<sup>2-</sup>, the Open Cluster [Bi<sub>3</sub>Ni<sub>6</sub>(CO)<sub>9</sub>]<sup>3-</sup>, and the Intermetalloid *closo*-[Ni<sub>x</sub>@{Bi<sub>6</sub>Ni<sub>6</sub>(CO)<sub>8</sub>}]<sup>4+</sup>" with **Michael W. Hull**, graduate research associate in chemistry and biochemistry, and **Slavi C. Sevov**, professor of chemistry and biochemistry, *Journal of American Chemical Society* 129, No. 25 (2007): 7885–93.

**Dirk M. Guldi**, visiting scholar in the Radiation Laboratory, published "Sapphyrin-Nanotube Assemblies" with P.J. Boul et al., *J. Am. Chem. Soc.* 129, No. 17 (2007): 5683–7.

**J. Christopher Howk**, assistant professor of physics, published "The UCSD/Keck Damped Ly-alpha Abundance Database: A

Decade of High-Resolution Spectroscopy," with J.X. Prochaska et al., *Astrophys. Journal Supplement* 71, No. 29 (2007).

**Meghan Jebb**, staff member in the Dept. of Science, published "Ruthenium(II) Trisbipyridine Functionalized Gold Nanorods, Morphological Changes and Excited State Interactions" with **Pallikkara K. Sudeep**, staff member in the Radiation Lab; and **Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering; et al., *J. Phys. Chem. B* 111, No. 24 (2007): 6829–44.

**Juang Jiang**, chemical engineering staff member, published "Detection of Biological Materials by Gold Nano-Biosensor-Based Electrochemical Method" with **Manju Basu**, visiting scholar in chemistry and biochemistry; **S. Seggerson**; **Albert E. Miller**, professor of chemical and biomolecular engineering; staff member **Michael Pugia**; and **Subhash Basu**, professor of chemistry and biochemistry, in *Nano Technologies for Life Sciences*: 8th volume, *Nanotechnologies for Biosensors* (editor, C. Kumar); *Journal of Biomedical Nanotechnology* (JBN), Wiley-VCH, Weinheim, Germany (2007): 208–39.

**Anusorn Kongkanand**, postdoctoral research associate in chemistry and biochemistry, published "Interactions of Single Wall Carbon Nanotubes with Methyl Viologen Radicals: Quantitative Estimation of Stored Electrons" with **Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering, *J. Phys. Chem. C* 111, No. 26 (2007): 9012–15.

**Nicholas Lehner**, research assistant professor of physics, published "Highly Ionized Plasma in the Large Magellanic Cloud: Evidence for Outflows and a Possible Galactic Wind" with **J. Christopher Howk**, assistant professor of physics, *Monthly Notices of the Royal Astronomical Society* 377, 687 (2007).

**Rui Ma**, graduate research assistant in chemistry and biochemistry, published "Apoptosis of Human Breast Carcinoma Cells in the Presence of Cis-Platin and L-/D-PPMP: IV. Modulation of Replication Complexes and Glycolipid: Glycosyltransferases" with **Subhash Basu**, professor of chemistry and biochemistry; et al., *Glycoconjugate J*, 23 (2006): 177–89.

**Hristina Petrova**, graduate assistant in chemistry and biochemistry, published "Vibrational Response of Au-Ag Nanoboxes and Nanocages to Ultrafast Laser-Induced Heating" with **Gregory V. Hartland**, professor of chemistry and biochemistry, et al., *Nano Letters* 7 (2007): 1059–63 (published on the Web); "Time-Resolved Spectroscopy of Silver Nanocubes: Observation and Assignment of Coherently Excited Vibrational Modes" with Gregory V. Hartland et al., *The Journal of Chemical Physics* 126 (2007): 094709-1–8; and "Photothermal Properties of Gold Nanoparticles" with Gregory V. Hartland et al., *Zeitschrift für Physikalische Chemie* 221 (2007): 361–76.

**Michael Pugia**, staff member in chemistry and biochemistry, published "Immunological Evaluation of Urinary Trypsin Inhibitors in Blood and Urine: Role of N- & O-) -Linked Glycoproteins" with **Manju Basu**, visiting scholar in chemistry and biochemistry; **Subhash Basu**, professor of chemistry and biochemistry; et al., *Glycoconjugate J*, 24 (2007): 5–15.

**Gustavo T. Ruiz**, staff member in the Radiation Lab, published "Intercalation of *fac*-[(4,4'-bpy)Re<sup>I</sup>(CO)<sub>3</sub>(dppz)]<sup>+</sup>, dppz = dipyrityl[3,2-a:2'3' - clphenazine, in Polynucleotides: On the UV-vis Photophysics of the Re(I) Intercalator and the Redox Reactions with Pulse Radiolysis-Generated Radicals" with **Maria P.**

**Juliarena**, visiting scholar in the Radiation Lab; **R.O. Lezna**; **Ezequiel Wolcan**, visiting scholar in the Radiation Lab; **Mario R. Feliz**, visiting scholar in the Radiation Lab; and **Guillermo J. Ferraudi**, professional specialist in the Radiation Lab, *Dalton Trans.*, No. 20 (2007): 2020–9.

**Zhenyu Sheng**, research associate in chemistry and biochemistry, published "Helix-Helix Interaction between Homo- and Heterodimeric g-Carboxyglutamate-Containing Conantokin Peptides and Their

Derivatives" with Q. Dai; J. H. Geiger; and **Francis J. Castellino**, the Kleiderer-Pezold Professor of Chemistry and Biochemistry, director of the Keck Center for Transgene Research, and Dean Emeritus of Science; and **Mary Prorok**, research associate professor of chemistry and biochemistry, *Journal of Biological Chemistry* 282, No. 17 (2007): 12641–9.

**Pallikkara K. Sudeep**, staff member in the Radiation Lab, published "Singlet Oxygen Generation Using Iodinated Squaraine and Squaraine-Rotaxane Dyes" with E. Arunkumar; **Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering; **Bruce C. Noll**, research associate professor of chemistry and biochemistry; and **Bradley D. Smith**, professor of chemistry and biochemistry, *New J. Chem.* 31 (2007): 677–83.

**Xin-Yi Wang**, postdoctoral research associate in chemistry and biochemistry, published "Hydrogen-Bonded Metal-Complex Sulfonate (MCS) Inclusion Compounds: Effect of the Guest Molecule on the Host Framework" with **Rachelle Justice**, staff member in chemistry and biochemistry, and **Slavi C. Sevov**, professor of chemistry and biochemistry, *Inorganic Chemistry* 46, No. 11 (2007): 4626–31.

# Documentation

## Faculty Award

**A. Graham Lappin**, chair and professor of chemistry and biochemistry, was selected by his peers as the recipient of the 2007 Faculty Award.

## President Awards

Recipients of the President Awards for 2007 were **Leo Burke**, professional specialist and associate dean of executive programs in the Mendoza College of Business and concurrent professor of the MBA Executive Education Program; **Donald Crafton**, chair of the Dept. of Music and professor of film, television, and theatre, and Nanovic Institute Fellow; and **Barbara Turpin**, associate professional specialist and associate dean of the Graduate School.

## James A. Burns, C.S.C., Graduate School Award

**Julia F. Knight**, the Huisking Professor of Mathematics, was awarded the James A. Burns, C.S.C., Graduate School Award for teaching excellence and exemplary graduate education support.

## Research Achievement Award

**Thomas C. Corke**, the Clark Equipment Professor of Aerospace and Mechanical Engineering, director of the Center for Flow Physics and Control, and director of the Hessert Laboratory for Aerospace Research, was awarded the 2007 Research Achievement Award for his significant contributions to the study and understanding of fluid mechanics.

## Thomas P. Madden Award

**Gary M. Gutting**, the Notre Dame Professor of Philosophy and Fellow of the Nanovic Institute, and **Christopher F. Kolda**, associate professor of physics, received the Thomas P. Madden Award for outstanding teaching of freshmen.

## Reinhold Niebuhr Award

**Georges Enderle**, the O'Neill Professor of international business ethics, Fellow of the Kellogg Institute, and Fellow of the Nanovic Institute, received the Reinhold Niebuhr Award.

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

**Laura S. Fuderer**, associate librarian, received the Rev. Paul J. Foik, C.S.C., Award for exemplary contributions by a librarian.

## Rev. John "Pop" Farley, C.S.C., Award

**Rev. Paul F. Doyle, C.S.C.**, rector, received the Rev. John "Pop" Farley, C.S.C., Award from Student Affairs for enriching the religious, disciplinary, social, recreational, and physical welfare of students.

## Grenville Clark Award

**Rev. Robert S. Pelton, C.S.C.**, director emeritus of the Institute for Pastoral and Social Ministry and Fellow of the Kellogg Institute, received the Grenville Clark Award honoring his volunteer activity and public service.

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

**James P. Paladino**, associate director of programming and resource administration, Center for Social Concerns, was awarded the Rev. William A. Toohey, C.S.C., Award for Social Justice.



## FBA Meeting Minutes

Friday, April 13, 2007

500 Main Building

**Members present:** Prof. Donald Pope-Davis (Chair); Prof. Harvey Bender; Prof. Eileen Botting; Prof. Stephen Fallon; Mr. Patrick Holmes; Prof. David Kirkner; Ms. Kathryn Lam (Student Rep.); Prof. Daniel Lapsley; Prof. Richard Pierce; (Rev.) Mark Poorman, C.S.C.; Dr. Frances Shavers; Prof. John Weber.

**Members absent:** Prof. Francis Castellino, Prof. Vincent Rougeau, Dr. Kevin White

**Board Liaisons present:** Ms. Missy Conboy, Mr. Michael Karwoski of the Department of Athletics

**Observers and Guests:** Ms. Mary Hendriksen, executive assistant to Prof. Pope-Davis; Ms. Kitty Cooney Hoyer, recorder.

1. **Call to Order and prayer:** The Chair called the meeting to order at 2:05 p.m. Prof. Botting offered a prayer.

2. **Minutes of previous meeting:** After four minor corrections to the minutes of the meeting of March 19, 2007, they were approved unanimously.

### 3. Information Items

Prof. Pope-Davis spoke briefly about several articles he distributed on the class-miss policies of other Big East institutions as well as the graduation rates of college student-athletes, particularly the disparity between the graduation rates of African American and white student-athletes.

In addition, members discussed the Statement on Board Responsibilities for Intercollegiate Athletics, adopted by the Association of Governing Boards of Universities and Colleges (AGB) on March 28, 2004.

### 4. Subcommittee Reports

#### Student Welfare – Kathryn Lam

Ms. Lam provided an update on the off-campus housing policy issue raised at a previous FBA meeting. The subcommittee has met with representatives from the coaching staff to discuss the policy. A draft revised policy will be forthcoming.

#### Communications – Steve Fallon

Prof. Fallon reported that the subcommittee continues to look at fifth-year eligibility data from other schools, specifically regarding student notification dates. The subcommittee will be assessing the data to see if later dates have an adverse affect on student affairs. Mr. Wilcox surveyed schools in the Big East and found that Notre Dame appears to be one of the schools in the conference with a notification date later than others. Prof. Fallon plans to share more complete information at the May meeting.

Prof. Fallon also reported on concerns raised by a colleague in the Philosophy department regarding the availability of McKenna Hall for academic conferences in the fall, when sequential weeks of home football games coupled with fall break make it impossible to schedule an academic conference.

Ms. Conboy noted his concerns and said that while the football schedule is already set years in advance; but, moving forward, she suggested presenting the schedules to the FBA for their input on such matters.

The chair thanked Prof. Fallon and his subcommittee for their work on 5th-year eligibility issues but indicated that this issue resides within the academic integrity subcommittee. Because of subcommittee overlap, the chair asked each subcommittee to develop a written “charge.”

#### Academic Integrity – Harvey Bender

Prof. Bender reported that the subcommittee has been busy reviewing fifth-year applications of student-athletes. The subcommittee is recommending that 14 student-athletes be granted the opportunity to remain for their 5th year.

Prof. Weber commended Prof. Bender and all those involved in revamping the application process. The files and forms are “significantly richer” than they used to be and therefore allow for more informed decision-making.

Responding to a question from Prof. Kirkner regarding whether candidates are ever denied a fifth year, Prof. Bender explained the evolution of the application process over the past five years. Although most applications were eventually approved in the past, they were often sent back several times for more information. Now,

he said, the Board has all the information up front. Very few institutions have as thorough a process, stated Prof. Weber. “It is a real feather in Notre Dame’s cap.”

Prof. Bender also reported on the list of nominees for the Kanaley Award. The subcommittee has reviewed the nominations and is recommending five student-athletes for the award: Greg Dalby (soccer), Ted Brown (swimming), Meghan Murphy (lacrosse), Kimberly Lorenzen (Soccer), and Maryann Erigha (track).

The board revisited the issue of soliciting nominations for the Kanaley Award, with several members offering their suggestions. Mr. Karwoski suggested starting the nomination process earlier so coaching staff has more time evaluate and make their recommendations.

The Board voted unanimously to accept the subcommittee’s nominees for the 2006-07 Kanaley award.

Prof. Pope-Davis agreed to add the Kanaley award process as a future agenda item.

### 5. Ex officio and Liaison reports

**Student Affairs – none**

**Academic Services for Student-Athletes – none**

**Office of the President – none**

**Athletics Department – Mike Karwoski with update on NCAA legislation**

Mr. Karwoski gave an update on NCAA legislation, specifically as it relates to a proposal to eliminate text messaging to prospective student-athletes. Board members had indicated in previous meetings their support of eliminating the text messaging option. [The Board of Directors of the NCAA voted to eliminate text messaging; however, several coaches’ associations have petitioned the NCAA for further review.]

### 6. New Business

(a) Prof. Pierce would like to see the summer bridge program (incoming student-athletes are able to enroll in classes during the summer before their entry into the University) added as a future agenda item.

(b) Prof. Bender offered a resolution in support of the Rutgers women’s basketball team’s actions in response to the comments of radio personality Don Imus. Members offered various comments; ultimately, the

matter was delegated to the subcommittee on communications [which circulated a statement the following week to Board members, approved, and sent to members of the Rutgers athletics department.

On April 15, 2007 the members of our Faculty Board on Athletics passed the following resolution in support of the Women's Basketball Team at Rutgers:

Faculty Board of Athletics  
University of Notre Dame  
April 16, 2007

#### Resolution

BE IT RESOLVED:

That the University of Notre Dame's Faculty Board on Athletics commends the Women's Basketball Program of Rutgers, The State University of New Jersey, for their demonstrated commitment to the highest principles of intercollegiate athletics.

As a colleague institution in the Big East Conference we join in solidarity with the Rutgers community in expressing our admiration for the way in which the Women's Basketball Team responded to recent national events. The dignity and poise of the Women's Basketball team catalyzed a most significant and meaningful public dialogue that will resonate long beyond the present season.

We congratulate the Rutgers Women's Basketball Team on a successful season, and for their very public example of the character of champions.

(c) Members of the FBA also asked Prof. Pope-Davis to send letters to Mike Brey, head Basketball coach, and Jeff Jackson, head Hockey coach, congratulating them on team and personal honors in the 2006-2007 season. [Letters were sent April 23, 2007.]

#### Adjourn

A motion to adjourn was made by Fr. Poorman and seconded by Prof. Pierce. The meeting was adjourned at 3:50 p.m.

## University Committee on Library (UCL)

Minutes of the Meeting of May 11, 2007

7:30 a.m. Café DeGrasta—Grace Hall

**Present:** John Weber (Chair), Heidi Ardizzone, Charles Barber, Parker Ladwig, David Leighton, Brian Pitts (graduate student), John Robinson, David Smith, Larry Taylor, Jennifer Younger (ex officio). Absent and excused: Susan Blum (on leave), Semion Lyandres, Andrew Sommese. Absent: Ed Edmonds (ex officio), Gordon Wishon (ex officio), Ashlee Wright.

**Observers / Guests:** Nigel Butterwick; Kitty Cooney Hoyer (recorder)

The May 11, 2007 UCL meeting was called to order by John Weber, Chair, at 7:30 a.m.

#### 1. Welcome and Agenda Review—John Weber

Weber welcomed committee members to the final UCL meeting of the academic year and reviewed the meeting agenda. He indicated that today's UCL meeting marks the 60th anniversary of the UCL and then provided some brief highlights of Notre Dame Libraries' transition over those sixty years.

#### 2. Approval of Minutes of the April 27, 2007 UCL Meeting

Following a brief discussion, Brian Pitts motioned to approve the April 27, 2007 UCL meeting minutes. The motion was seconded by Heidi Ardizzone and passed unanimously.

#### 3. UCL Chair's Report—John Weber

UCL Membership Terms. Weber observed that, in reviewing UCL membership with Jennifer Younger in preparation for the current meeting, they discovered that the terms of more than one-half of the remaining elected UCL members are scheduled to expire at the end of the next academic year, 2007–08. In order to provide more year to year continuity of membership, Weber suggested that some time during the 2007–08 academic year, the UCL discuss the possibility of staggering some terms of appointments for positions expiring next year (e.g., one, two, and three year terms, rather than all three year terms).

**Next UCL Chair.** With Weber's two year term as UCL Chair ending with the current meeting, the search for a new UCL chair will be ongoing this summer, as the new

committee makeup for 2007–08 becomes more clear. The UCL will nominate and vote on the next Chair at the first UCL meeting of academic year 2007–08.

#### 4. 2006–07 UCL Annual Report.

The latest draft of the 2006–2007 UCL Annual Report (5-8-07) was circulated to the members prior to the meeting and included changes and suggestions from the April 27, 2007 UCL meeting as well as additional input and refinements from Jennifer Younger and from several other committee members received since then. Weber asked UCL members present for any additional comments on this most recent draft.

Dave Smith questioned whether it was appropriate to reference the Library Task Force Report as it still remains in "draft" form. A discussion on the status of the task force report followed. While some members remain frustrated that the task force report has not yet been formally accepted, Younger pointed out that whether or not the task force report is ever formally accepted, she believes the Provost's Office is beginning to respond to some of its recommendations, citing the recent Fiesta Bowl allocation as just one example that the Provost's Office is being responsive to the needs of the library.

UCL members in general agreed that the 2006–07 UCL Annual Report should include greater emphasis on the library's need for more systematic enhanced funding as an integral support component of newly initiated university research programs. This need has also been formally recognized in recent discussions of the Academic Council. Younger supported this notion—emphasizing that the breadth and depth of library support required for new university research programs is a critical issue. Elaborating on this challenge, she added that, as the university is actively implementing new programs and bringing in new faculty with advanced research agendas, the university should also account for the need to provide new library resources to help support these new initiatives. Younger observed that, when enhanced library fund is not included as an integral part of new university research programs, then the library is forced to continually function in inefficient, non-optimal 'catch-up mode.'

In response to a question from John Robinson seeking clarification of the section of the annual report on the

'intellectual property committee,' Younger noted that she would like to see two library representatives serve on the committee: 1) an ex officio director (Edwards and Younger would work this out); and 2), a member of the library faculty (either elected or appointed).

Weber will revise the draft of the annual report to reflect the suggestions received to date and discussed in the meeting. By early June, he will resubmit a proposed final version of report to UCL membership for potential e-mail approval.

#### 5. Director's Report—Jennifer Younger Budget.

Younger provided the committee with a brief budget report covering for the past several years. The library budget for 2007–08 is \$19 Million. Budgeted income comes from three sources: unrestricted university allocations (increase at a modest rate each year), endowment income (annual payout recently increased), and already known major new gifts. Additional income (over budget) can come from additional one time gifts.

Younger also distributed two handouts to help illustrate recent budget trends. The library's annual budget increased from c. \$16 million to c. \$19 million between 2001–02 and 2007–08. The only annual decrease occurred in 2003–04 when the University imposed a budget cut across campus. Although the graph appeared to show an apparent budget decrease for 2006–07, that is somewhat misleading, since the 2005–06 budget figure included the \$1.5 million of one-time Fiesta Bowl funds.

**Budget Terminology—"Serials" versus "Books."** Responding to questions, Younger explained that for the purpose of ordering, 'books' are considered one-time purchases and 'serials' are considered continuing commitments. In both cases, 'books' and 'journals' include purchases in all formats: print, electronic and microfilm. Several members indicated confusion over the definitions of "book" or "serial" and offered several suggestions that might better reflect the difference between the two. The committee generally agreed with Larry Taylor's suggestion to change the budget term "books" to "one-time" and the term "serials" to "continuing" to better illustrate the resources which are included in each.

#### Budget Breakdown—Serials vs Books.

Of particular interest, said Younger, is the changing relative proportion of expenditures for serials versus books. In addition to variations in inflation rates, the trend toward relatively more being spent on serials reflects changes in the nature of research in many disciplines. Dave Smith clarified that as empirical research becomes more important, books tending toward speculative, theoretical treatments are becoming less important than serials presenting the latest empirical research results. This seems to be occurring especially in engineering, physical sciences, and many social sciences (e.g., psychology and business). As a result, serials (versus books) are becoming relatively more important as sources of background research. Furthermore, David Leighton (engineering), noted that through data base and related search engine advances available through Google Scholar & similar research tools, today one can more quickly and easily access original journal sources directly to the desktop, further reducing the need for books, which might in the past have republished articles originally published in journals.

**Further Budget Savings on Books.** Younger indicated that today a large percent, perhaps as high as ninety percent or more, of new books are now available in soft bound editions. Because of the improved quality and durability of soft cover binding, these editions are now viable alternatives for library, helping the library to conserve resources because of their relatively lower cost versus traditional library hard bound editions.

#### The 'Spirit Campaign' and the Library.

Younger gave a brief summary of the recently announced public phase of the "Spirit of Notre Dame" campaign, which aims to raise \$1.5 billion for the university over seven years. The campaign has already raised \$890 million or 57% of its goal during the recently completed three-year lead off or 'silent phase.' The percentage of lead off commitments varies across the target areas.

The library's target goal for the campaign is \$60 million—with \$53 for the main library and \$7 million for the law library. Of the \$53 million for the main library, \$20 million is designated for physical library renovation. The remaining \$33 million is targeted for collections and services, and

named library faculty positions. Most of the \$33 million is expected to go to the library endowment fund, thus providing a continuing stream of future income.

To achieve its goal, among other initiatives and strategies, library administrators will be looking to the Library Council. For example, in fall 2007, the Library Council will be invited to see the innovative new spaces created at the Valparaiso University library.

#### On Line Reading.

Younger distributed the findings of a recent study exploring reading habits of those reading on line versus print sources when accessing news/newspapers in different forms—broadsheet, tabloid and online. While the research is not definitive, the study by the Poynter Institute found that over 75% of those surveyed preferred reading news in online text to reading print versions of the same material. Furthermore, a higher proportion of those reading news on line read the text in its entirety (77% on line; 62% in broadsheet; and 57% in tabloid). Younger added that, although this information is anecdotal in nature, the study is one indicator of changes being precipitated by increased digitization of reading material.

**6. Closing Thanks.** Weber thanked all UCL members for their dedicated service to the committee and formally recognized UCL members whose terms will expire at the end of this academic year. These members include: Susan Blum, Anthropology; David Leighton, Engineering; Brian Pitts, graduate student representative; and Ashlee Wright, undergraduate student representative.

Weber also extended thanks to recorder, Kitty Cooney Hoyer, on behalf of the entire UCL for her exceptional work over the past two years in providing thorough minutes of UCL meetings. Finally, Jennifer Younger and the committee thanked John Weber for his service as UCL Chair for the past two years.

#### Adjourn

The meeting adjourned at 9 a.m.

This meeting concludes UCL business for this year. The next UCL meeting is scheduled for early September, 2007, with the exact date yet to be determined.

Respectfully submitted,

Kitty Cooney Hoyer (recorder)

# Research

## Awards and Proposal Summary

04/01/2007 to 04/30/2007

### Awards Received

Category	No.	Amount
Research	32	\$4,881,317
<b>Total:</b>	<b>32</b>	<b>\$4,881,317</b>

### Proposals Submitted

Category	No.	Amount
Research	56	\$8,279,361
Instructional Programs	4	\$44,579
<b>Total:</b>	<b>60</b>	<b>\$8,323,940</b>

## April 2007 Cumulative summary

### Awards Received

	07.01.2004 - 04.30.2005		07.01.2005 - 04.30.2006		07.01.2006 - 04.30.2007	
Category	No.	Amount	No.	Amount	No.	Amount
Research	304	\$59,641,198	332	\$52,089,411	346	\$56,387,323
Facilities and Equipment						
Instructional Programs	3	\$445,643	3	\$308,546	6	\$729,452
Other Programs						
Service Programs						
<b>Total:</b>	<b>307</b>	<b>\$60,086,841</b>	<b>335</b>	<b>\$52,397,957</b>	<b>352</b>	<b>\$57,116,775</b>

### Proposals Submitted

	07.01.2004 - 04.30.2005		07.01.2005 - 04.30.2006		07.01.2006 - 04.30.2007	
Category	No.	Amount	No.	Amount	No.	Amount
Research	657	\$185,796,036	682	\$174,804,054	668	\$225,809,795
Facilities and Equipment						
Instructional Programs	18	\$3,379,304	18	\$4,227,230	32	\$3,941,317
Other Programs			1	\$5,000	1	\$9,750
Service Programs						
<b>Total:</b>	<b>675</b>	<b>\$189,175,340</b>	<b>701</b>	<b>\$179,036,284</b>	<b>701</b>	<b>\$229,760,862</b>

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

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

**Awards received during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Awards for Research</b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	High-Resolution Time Resolved Measurements of Unsteady Flow Separation in High Reynolds Number Boundary Layers Relevant to Helicopter Rotor Dynamics	Department of Army	\$84,327	8
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	\$60,000	21
Jumper, Eric J. (Center or Institute) Cavalieri, David	Toward Adaptive-Optic Mitigation of Aero-Optic Effects	Department of the Air Force	\$100,000	9
Morris, Scott C. (Center or Institute)	Acoustic of Circulation Control	Department of Navy	\$80,000	37
Renaud, John E. Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	\$320,000	36
<b>Department or Office:</b>	Biological Sciences			
Hollocher, Hope (Center or Institute) Fuentes, Agustin	The Impact of Population Structure on Pathogen Transmission in Balinese Macaques	National Science Foundation	\$60,000	11
Whaley, Michelle A. Boyd, Sunny K.	REU Site in Integrative Cellular and Molecular Biology	National Science Foundation	\$87,550	60
Whaley, Michelle A. Boyd, Sunny K.	REU Site in Integrative Cellular and Molecular Biology	National Science Foundation	\$18,000	60
<b>Department or Office:</b>	Career and Placement Services			
Svete, Lee J. Kogge, Peter M.	NIST SURF (Summer Undergrad Research Fellowship) Gaithersburg	National Institute Standards & Technology	\$27,590	5
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Bohn, Paul W.	MultiDimensional Surface Enhanced Sensing and Spectroscopy	Northwestern University	\$45,212	6
Bohn, Paul W.	Microfluidic Sensor for Heavy Metals	U.S. Army Corps of Engineers	\$68,400	13

**Awards received during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Maginn, Edward J.	Determination of Physical Properties of Ionic Liquids Using Molecular Simulations	Department of the Air Force	\$115,000	7
Miller, Albert E. McGinn, Paul J.	Nanofiber Paper for Efficient Hydrogen Generation	Corporate Funding	\$24,863	12
Zhu, Yingxi E. (Center or Institute)	Water-immersed Polymer Interfaces and the Role of Their Interfacial Properties on Biolubrication	National Science Foundation	\$145,310	24
<b>Department or Office:</b>	Chemistry and Biochemistry			
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	\$355,568	12
Castellino, Francis J. (Center or Institute)	Pathophysiologies Involving Hemostasis-Related Genes	National Institutes of Health	\$1,760,833	24
Clark, Patricia L.	CAREER: Conformations of Beta-Sheet Folding Intermediates: The Discrimination Between Productive Folding and Aggregation	National Science Foundation	\$166,967	60
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Fein, Jeremy B.	Phosphate Barriers for In Situ Immobilization of Uranium	Department of Energy	\$79,200	10
Kijewski-Correa, Tracy L.	REU Site: Interdisciplinary Studies in Tsunami Impacts & Mitigation	National Science Foundation	\$82,122	24
<b>Department or Office:</b>	Computer Science & Engineering			
Kogge, Peter M. Brockman, Jay B.	Design and Simulation of a Programmable Memory/Multiplier Array Using G4-FET Technology	Department of the Air Force	\$175,001	9
<b>Department or Office:</b>	Electrical Engineering			
Bernstein, Gary H. Fay, Patrick J. (Center or Institute)	Novel Superconnects for Ultrahigh-Performance Hybrid Communications System	National Science Foundation	\$6,000	36

**Awards received during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Hall, Douglas C. Fay, Patrick J. (Center or Institute) Kosel, Thomas H.	GaAs MOSFET Development Collaborative Research Agreement	Corporate Funding	\$89,091	21
Sauer, Ken D. Lieberman, Marya	NIST SURF (Summer Undergrad Research Fellowship) at Boulder	National Institute Standards & Technology	\$6,934	4
Seabaugh, Alan C.	Development of Ge-on-Si Tunnel-Junction Technology	Corporate Funding	\$25,013	9
<b>Department or Office:</b>	Institute for Latino Studies			
Ready, Timothy	Hispanic Housing in the United States: Promoting and Maintaining Household Ownership Among Hispanic Immigrants	Corporate Funding	\$46,350	12
<b>Department or Office:</b>	Physics			
Balsara, Dinshaw S. (Center or Institute) Howk, Jay C.	Simulating the Turbulent, Multiphase Intersellar Medium: Comparing with Observations	National Science Foundation	\$114,986	36
Furdyna, Jacek K.	Support for 36th International School on the Physics of Semiconducting Compounds to be held in Jaszowiec, Poland, June 9-15, 2007	Department of the Air Force	\$5,000	6
Howk, Jay C. (Center or Institute) Lehner, Nicolas	A Far-Ultraviolet Study of the Magellanic Bridge	National Aeronautics and Space Administration	\$0	12
Howk, Jay C. (Center or Institute) Lehner, Nicolas	A Far-Ultraviolet Study of the Magellanic Bridge	National Aeronautics and Space Administration	\$25,000	12
Wayne, Mitchell R. Hildreth, Michael D. Goussiou, Anna Jessop, Colin P.	Research in Collider Physics	National Science Foundation	\$640,000	36

**Awards received during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Political Science				
Hero, Rodney E.	Latino Community and American Politics: The Creation and Consequences of Hispanics in the US	Stanford University	\$42,000	9
<b>Department or Office:</b> Robinson Community Learning Center				
Kostielney, Andrew T. (Center or Institute)	Spanning the Poverty Gap Initiative	Corporate Funding	\$25,000	9



**Proposals submitted during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Bowling, Alan P. Sen, Mihir	Design and Control of Vehicle Dynamics Based on Aerodynamics and Mass Displacement	Corporate Funding	\$0	12
Liu, Katherine W. Sen, Mihir	An Exploratory Study: Using Nanonic Liquids as High-performance Heat Transfer Fluids	Corporate Funding	\$0	12
Renaud, John E.	Nonlinear Crashworthiness Design Tool Development Using Cellular Automata	Corporate Funding	\$128,878	12
Stanisic, Michael M. Strebinger, Richard B.	Development of an Advanced Humanoid Shoulder-humerus-elbow Complex	Corporate Funding	\$0	12
<b>Department or Office:</b>	Biological Sciences			
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$9,959	10
Lamberti, Gary A. Chaloner, Dominic T.	Impacts of Introduced Pacific Salmon on Ecological Communities of Great Lakes Tributaries	Private Funding	\$150,637	24
Welsh, JoEllen J. Tenniswood, Martin	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	\$322,431	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Bohn, Paul W.	Center for Advanced Materials for Water Purification with Systems	University of Illinois-Urbana-Champaign	\$120,000	15
Bohn, Paul W.	Nanoscale Chemical-Electrical-Mech Manufacturing Systems	University of Illinois-Urbana-Champaign	\$387,285	60
Brennecke, Joan F. McGinn, Paul J. Kamat, Prashant V. Incropera, Frank P.	IGERT: Future Leaders in Advanced Materials for Energy Sustainability	National Science Foundation	\$0	60
Chang, Hsueh-Chia Zhu, Yingxi E.	Micro-Filters for Nano-Aerosol Filtration	Department of Defense	\$652,217	36
Mukasyan, Alexander S.	Carbon Brakes of a New Generation	Corporate Funding	\$329,530	24
Palmer, Andre F.	Enhanced O2 Delivery to C3A Hepatocytes	National Institutes of Health	\$199,500	12

**Proposals submitted during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Chemistry and Biochemistry			
DuBois, Jennifer	Functional Characterization of Enzymes Essential for Fe Acquisition by Pathogens	National Institutes of Health	\$0	12
Helquist, Paul Wiest, Olaf G.	Development of Therapeutic Agents for Niemann-Pick Type C Disease	Private Foundation	\$249,480	24
Lieberman, Marya Porod, Wolfgang	RET Supplement to NSF Nano-Bio REU Program	National Science Foundation	\$20,000	3
Scheidt, W. Robert	X-Ray and Chemical Studies of Metalloporphyrins	National Institutes of Health	\$329,570	12
Smith, Bradley D. Lampkins, Andrew J.	Cell Permeation Using Endogenous Phosphatidylserine Transport Machinery	National Institutes of Health	\$0	12
Taylor, Richard E.	Conformation-Activity Relationships	National Institutes of Health	\$288,000	12
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Burns, Peter C.	Impact of Uranyl Alteration Phases of Spent Fuel on Mobility of Np and Pu in Yucca Mountain	Department of Energy	\$58,529	12
Fein, Jeremy B.	An Integrated Approach to Understanding the Coupled Biotic and Abiotic Mechanism and Rates Affecting the Formation and Stability of Uranium Silicate M	Department of Energy	\$675,000	36
Fein, Jeremy B.	Contribution of Biosorption to the Sustained Removal of Uranium from Contaminated Groudwater Following Stimulation of Dissimilatory Metal Reduction	University of Massachusetts	\$101,281	36
<b>Department or Office:</b>	Classics, The			
Guo, Li	A Medieval Muslim Entertainer and His World.	National Endowment for the Humanities	\$40,000	11
<b>Department or Office:</b>	Computer Science & Engineering			
Brockman, Jay B.	Image Stabilization in Silicon	Corporate Funding	\$313,436	24

**Proposals submitted during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Izaguirre, Jesus A. Striegel, Aaron Peng, Jeffrey W.	REU Supplement: Grid-enabled Integration of Experimental Data and Simulations for Flexible Protein Docking	National Science Foundation	\$12,000	3
Kogge, Peter M.	Support of ExaScale Computing Feasibility Study	Georgia Institute of Technology	\$174,213	12
Kogge, Peter M. Lieberman, Marya Niemier, Michael T.	FABRICATE IGERT: Fundamental Approaches for Building Realizable and Interesting Computer Architectures with Emerging Technologies	National Science Foundation	\$0	60
<b>Department or Office:</b>	Electrical Engineering			
Bauer, Peter H. LaVerne, Jay A.	Nuclear Threat Detection From Highly Uncertain Information. A Networked Evidence Theory Approach.	National Science Foundation	\$672,592	48
Bernstein, Gary H. Fay, Patrick J.	Die Bonding for Wide Bandwidth Chip-to-Chip Interconnects	Private Foundation	\$11,625	12
Merz, James L. Mintairov, Alexander	Electrically Driven Quantum Dot Single Photon Sources for Data Encryption	North Atlantic Treaty Organization	\$14,740	36
<b>Department or Office:</b>	English			
Thomas, David W.	Discourse of Legitimation: Literature of British India, 1870s-1930.	National Endowment for the Humanities	\$46,200	11
Vanden Bossche, Chris R.	Reform Acts: The Franchise, Agency and the British Novel, 1832-1867	National Endowment for the Humanities	\$37,800	9
<b>Department or Office:</b>	History			
Coleman, Jon T.	Her Lies Hugh Glass: Indians, Pirates, Bears and the Legend of a Mountain Man	National Endowment for the Humanities	\$50,400	12
Kselman, Thomas A.	Conversion and Liberty in Post-Revolutionary France	National Endowment for the Humanities	\$40,000	10
Martin, Alexander	Enlightened Absolutism and Urban Modernity in Moscow, 1763-1881.	National Endowment for the Humanities	\$50,400	12

**Proposals submitted during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Van Engen, John H.	The Spirit of the Twelfth Century: Reason, Reading, and Revolt in a World of Custom.	National Endowment for the Humanities	\$50,400	11
<b>Department or Office:</b>	Institute for Latino Studies			
Richman, Karen E. Barboza, Gia E.	Latino Immigrants in South Bend: An Applied Research Project	Private Foundation	\$37,500	12
<b>Department or Office:</b>	Mathematics			
Hahn, Alexander J.	Summer research at Notre Dame for STEM High School Teachers.	Private Foundation	\$20,000	3
Himonas, Alex A. Sommese, Andrew J. Cosimano, Thomas F.	Mathematical Analysis of Dynamic Economic and Financial Problems	National Science Foundation	\$241,907	36
<b>Department or Office:</b>	Philosophy			
Newlands, Samuel	Reconceiving Spinoza	National Endowment for the Humanities	\$42,000	10
<b>Department or Office:</b>	Physics			
Wayne, Mitchell R.	Advanced Neutron Tracker for SNM Detection.	University of California-Davis	\$576,565	36
Wayne, Mitchell R.	Interactions in Understanding the Universe (I2U2)	Fermi National Laboratory	\$854,699	60
Wayne, Mitchell R. Cason, Neal M. Goussiou, Anna Hildreth, Michael D.	Research in Collider Physics	National Science Foundation	\$170,000	12
<b>Department or Office:</b>	Program of Liberal Studies			
Mongrain, Kevin J.	A Christian Secularist: Hans Urs Von Balthasar's Political Theology.	National Endowment for the Humanities	\$42,000	10
<b>Department or Office:</b>	Psychology			
Bergeman, Cindy S. Monroe, Scott M.	Understanding Stress in Old Age: Physiology, Assessment, and Meaning.	National Institutes of Health	\$40,972	12
Corning, Alexandra F.	Need for Cognitive Closure as a Moderator of the Prototype Effect in the Perception of Discrimination	Society for the Psychological Study of Social Issues	\$1,000	12

**Proposals submitted during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Radvansky, Gabriel A.	The Impact of Spatial Shifts on Cognition in Interactive Environments	U.S. Army Research Institute	\$340,801	48
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	Take ten Training Corps	Private Foundation	\$15,000	12
<b>Department or Office:</b>	Romance Languages and Literatures			
Jerez-Farran, Carlos	Luis Cernuda, Federico Garcia Lorca and the Difference Desire Makes	National Endowment for the Humanities	\$46,200	10
Juarez, Encarnacion	Women and Disability in Early Modern Spain: Aging Women, Prostitutes, and Saints.	National Endowment for the Humanities	\$42,000	10
Moevs, Christian R.	Dante's Mystics: The Commedia and the Contemplative Tradition	National Endowment for the Humanities	\$46,200	11
Ryan-Scheutz, Colleen M.	Desiring Subjects: Feminism and Femininity in Contemporary Italian Cinema.	National Endowment for the Humanities	\$46,200	11
<b>Department or Office:</b>	Sociology			
Sikkink, David H.	Hudson Institute Project	Private Funding	\$20,000	6
Smith, Christian	Innovative Research on Gratitude and Generosity	Private Foundation	\$99,894	12
<b>Department or Office:</b>	William J. Hank Family Chair			
Dwyer, William G.	Travel Grant for International Conference on Algebraic Topology	National Science Foundation	\$30,000	12
Dwyer, William G.	Theoretical Side of Persistent Homology	Stanford University	\$30,320	12
<b><u>Proposals for Instructional Programs</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Batill, Stephen M.	Infrastructure Upgrade: Enhancements to Undergraduate Solid Mechanics Laboratory Equipment.	Corporate Funding	\$13,065	12
<b>Department or Office:</b>	Center for Social Concerns			
Pettit, Rebecca T.	USDA-IDOE Meals for National Youth Sports Program	Indiana Department of Education	\$11,139	12
Purcell, William J.	Priests of Holy Cross Justice and Peace Fund Grant	Private Funding	\$2,500	12

**Proposals submitted during the period Apr-01-2007 to Apr-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Computer Science & Engineering			
Uhran, John J.	On Engineering Education: The Role of the First Year	National Science Foundation	\$17,875	15

**Awards and Proposal Summary**

**Centers and Institutes Report**

**04/01/2007 to 04/30/2007**

**Awards Received**

Department or Office	No.	Amount
Center for Astrophysics	3	\$139,986
Center for Flow Physics and Control	4	\$324,327
Center for Global Health and Infectious Diseases	1	\$60,000
Center for Microfluidics and Medical Diagnostics	1	\$145,310
Center for Transgene Research	2	\$2,116,401
Nano Science and Technology Center	2	\$95,091
Robinson Community Learning Center	1	\$25,000
<b>Total:</b>	<b>14</b>	<b>\$2,906,115</b>

**Proposals Submitted**

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$241,907
Center for Aquatic Conservation	1	\$150,637
Center for Microfluidics and Medical Diagnostics	1	\$652,217
Center for Social Concerns	1	\$11,139
Center for the Study of Religion and Society	2	\$119,894
Institute for Latino Studies	1	\$37,500
John A. Kaneb Center for Teaching and Learning	1	\$20,000
Medieval Institute	1	\$50,400
ND Energy Center	1	\$0
Nano Science and Technology Center	4	\$46,365
Radiation Laboratory	1	\$672,592
Rare Disease Research Center	1	\$249,480
Robinson Community Learning Center	1	\$15,000
Walther Cancer Institute Chair I	1	\$288,000
<b>Total:</b>	<b>18</b>	<b>\$2,555,131</b>

### **Awards and Proposal Summary**

#### **Centers and Institutes Report**

**07/01/2006 to 04/30/2007**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	3	\$347,500
Center for Applied Mathematics	1	\$299,998
Center for Astrophysics	10	\$516,991
Center for Children and Families	5	\$2,171,886
Center for Flow Physics and Control	22	\$1,981,836
Center for Global Health and Infectious Diseases	13	\$7,701,233
Center for Microfluidics and Medical Diagnostics	3	\$1,245,360
Center for Research Computing	1	\$118,321
Center for Social Concerns	3	\$64,150
Center for Transgene Research	4	\$2,767,043
Center for Zebrafish Research	4	\$680,378
Center for the Study of Religion and Society	3	\$1,356,508
Environmental Research Center	2	\$66,000
Freimann Life Science Center	3	\$23,951
Institute for Church Life	2	\$80,000
Institute for Educational Initiatives	2	\$79,900
Institute for Latino Studies	13	\$1,141,522
Institute for Theoretical Sciences	1	\$6,000
Interdisciplinary Center for the Study of Biocomplexity	3	\$818,466
Kellogg Institute for International Studies	2	\$319,476
Keough Institute for Irish Studies	2	\$210,623
Medieval Institute	1	\$20,000
ND Energy Center	1	\$150,300
Nano Science and Technology Center	32	\$3,740,331
Nuclear Structure Laboratory	2	\$2,014,493
Radiation Laboratory	6	\$1,004,230
Robinson Community Learning Center	7	\$87,066
Snite Museum of Art	1	\$5,000
South Bend Center for Medical Education	2	\$337,415
Walther Cancer Research Center	5	\$601,000
<b>Total:</b>	<b>159</b>	<b>\$29,956,977</b>

#### **Proposals Submitted**

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2006 to 04/30/2007**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	2	\$358,593
Center for Applied Mathematics	3	\$1,893,933
Center for Aquatic Conservation	5	\$169,829
Center for Astrophysics	14	\$4,790,798
Center for Children and Families	3	\$502,512
Center for Complex Network Research	2	\$545,000
Center for Flow Physics and Control	21	\$11,260,889
Center for Global Health and Infectious Diseases	26	\$27,423,282
Center for Microfluidics and Medical Diagnostics	7	\$1,819,469
Center for Research Computing	2	\$747,591
Center for Social Concerns	2	\$14,639
Center for Transgene Research	5	\$2,941,071
Center for Zebrafish Research	13	\$3,746,377
Center for the Study of Religion and Society	9	\$2,271,121
Environmental Research Center	2	\$1,688,603
Freimann Life Science Center	4	\$614,437
Institute for Church Life	3	\$135,000
Institute for Latino Studies	16	\$3,302,488
Interdisciplinary Center for the Study of Biocomplexity	2	\$592,267
John A. Kaneb Center for Teaching and Learning	1	\$20,000
Joint Institute for Nuclear Astrophysics	2	\$3,128,410
Kellogg Institute for International Studies	5	\$527,999
Keough Institute for Irish Studies	4	\$164,368
Kroc Institute for International Peace Studies	3	\$197,645
Medieval Institute	3	\$1,070,400
ND Energy Center	9	\$6,192,587
Nano Science and Technology Center	47	\$12,209,825
Nuclear Structure Laboratory	2	\$184,493
Radiation Laboratory	9	\$20,013,286
Rare Disease Research Center	2	\$374,220
Robinson Community Learning Center	10	\$447,000
Walther Cancer Institute Chair I	1	\$288,000
Walther Cancer Research Center	13	\$3,319,282
<b>Total:</b>	<b>252</b>	<b>\$112,955,414</b>



### Awards received during the period Apr-01-2007 to Apr-30-2007

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Awards for Research</b>				
<b>Department or Office:</b>	Center for Astrophysics			
Howk, Jay C. (Center or Institute) Lehner, Nicolas	A Far-Ultraviolet Study of the Magellanic Bridge	National Aeronautics and Space Administration	\$25,000	007066-001
Howk, Jay C. (Center or Institute) Lehner, Nicolas	A Far-Ultraviolet Study of the Magellanic Bridge	National Aeronautics and Space Administration	\$0	007066-001
Balsara, Dinshaw S. (Center or Institute) Howk, Jay C.	Simulating the Turbulent, Multiphase Intersellar Medium: Comparing with Observations	National Science Foundation	\$114,986	006821-001
<b>Department or Office:</b>	Center for Flow Physics and Control			
Morris, Scott C. (Center or Institute)	Acoustic of Circulation Control	Department of Navy	\$80,000	007069-001
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	High-Resolution Time Resolved Measurements of Unsteady Flow Separation in High Reynolds Number Boundary Layers Relevant to Helicopter Rotor Dynamics	Department of Army	\$84,327	007059-001
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	\$60,000	006824-001
Jumper, Eric J. (Center or Institute) Cavalieri, David	Toward Adaptive-Optic Mitigation of Aero-Optic Effects	Department of the Air Force	\$100,000	006733-001
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Hollocher, Hope (Center or Institute) Fuentes, Agustin	The Impact of Population Structure on Pathogen Transmission in Balinese Macaques	National Science Foundation	\$60,000	007065-001
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Zhu, Yingxi E. (Center or Institute)	Water-immersed Polymer Interfaces and the Role of Their Interfacial Properties on Biolubrication	National Science Foundation	\$145,310	007053-001

### Awards received during the period Apr-01-2007 to Apr-30-2007

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Center for Transgene Research				
Castellino, Francis J. (Center or Institute)	Pathophysiologies Involving Hemostasis-Related Genes	National Institutes of Health	\$1,760,833	006236-001
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	\$355,568	005142-001
<b>Department or Office:</b> Nano Science and Technology Center				
Bernstein, Gary H. Fay, Patrick J. (Center or Institute)	Novel Superconnects for Ultrahigh-Performance Hybrid Communications System	National Science Foundation	\$6,000	006920-001
Hall, Douglas C. Fay, Patrick J. (Center or Institute)	GaAs MOSFET Development Collaborative Research Agreement	Corporate Funding	\$89,091	006754-001
<b>Department or Office:</b> Robinson Community Learning Center				
Kostielney, Andrew T. (Center or Institute)	Spanning the Poverty Gap Initiative	Corporate Funding	\$25,000	007058-001

**Proposals submitted during the period Apr-01-2007 to Apr-30-2007****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Applied Mathematics			
Himonas, Alex A.	Mathematical Analysis of	National Science	\$241,907	07100688
Sommese, Andrew J.	Dynamic Economic and	Foundation		
Cosimano, Thomas F.	Financial Problems			
<b>Department or Office:</b>	Center for Aquatic Conservation			
Lamberti, Gary A.	Impacts of Introduced	Private Funding	\$150,637	07100667
Chaloner, Dominic T.	Pacific Salmon on			
	Ecological Communities			
	of Great Lakes			
	Tributaries			
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia	Micro-Filters for	Department of Defense	\$652,217	07100697
Zhu, Yingxi E.	Nano-Aerosol Filtration			
<b>Department or Office:</b>	Center for the Study of Religion and Society			
Smith, Christian	Innovative Research on	Private Foundation	\$99,894	07100662
	Gratitude and			
	Generosity			
Sikkink, David H.	Hudson Institute Project	Private Funding	\$20,000	07100674
<b>Department or Office:</b>	Institute for Latino Studies			
Richman, Karen E.	Latino Immigrants in	Private Foundation	\$37,500	07100673
Barboza, Gia E.	South Bend: An Applied			
	Research Project			
<b>Department or Office:</b>	John A. Kaneb Center for Teaching and Learning			
Hahn, Alexander J.	Summer research at	Private Foundation	\$20,000	07100683
	Notre Dame for STEM			
	High School Teachers.			
<b>Department or Office:</b>	Medieval Institute			
Van Engen, John H.	The Spirit of the Twelfth	National Endowment for the	\$50,400	07100710
	Century: Reason,	Humanities		
	Reading, and Revolt in a			
	World of Custom.			
<b>Department or Office:</b>	ND Energy Center			
Brennecke, Joan F.	IGERT: Future Leaders	National Science	\$0	07100661
McGinn, Paul J.	in Advanced Materials	Foundation		
Kamat, Prashant V.	for Energy Sustainability			
Incropera, Frank P.				
<b>Department or Office:</b>	Nano Science and Technology Center			
Lieberman, Marya	RET Supplement to NSF	National Science	\$20,000	07100658
Porod, Wolfgang	Nano-Bio REU Program	Foundation		

## Proposals submitted during the period Apr-01-2007 to Apr-30-2007

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Kogge, Peter M. Lieberman, Marya Niemier, Michael T.	FABRICATE IGERT: Fundamental Approaches for Building Realizable and Interesting Computer Architectures with Emerging Technologies	National Science Foundation	\$0	07100664
Merz, James L. Mintairov, Alexander	Electrically Driven Quantum Dot Single Photon Sources for Data Encryption	North Atlantic Treaty Organization	\$14,740	07100671
Bernstein, Gary H. Fay, Patrick J.	Die Bonding for Wide Bandwidth Chip-to-Chip Interconnects	Private Foundatio	\$11,625	07100680
<b>Department or Office:</b>	Radiation Laboratory			
Bauer, Peter H. LaVerne, Jay A.	Nuclear Threat Detection From Highly Uncertain Information. A Networked Evidence Theory Approach.	National Science Foundation	\$672,592	07100714
<b>Department or Office:</b>	Rare Disease Research Center			
Helquist, Paul Wiest, Olaf G.	Development of Therapeutic Agents for Niemann-Pick Type C Disease	Private Foundation	\$249,480	07100670
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	Take ten Training Corps	Private Foundation	\$15,000	07100657
<b>Department or Office:</b>	Walther Cancer Institute Chair I			
Taylor, Richard E.	Conformation-Activity Relationships	National Institutes of Health	\$288,000	07100686

### Proposals for Instructional Programs

<b>Department or Office:</b>	Center for Social Concerns			
Pettit, Rebecca T.	USDA-IDOE Meals for National Youth Sports Program	Indiana Department of Education	\$11,139	07100698

**Awards and Proposal Summary**

05/01/2007 to 05/31/2007

**Awards Received**

Category	No.	Amount
Research	47	\$5,923,707
<b>Total:</b>	<b>47</b>	<b>\$5,923,707</b>

**Proposals Submitted**

Category	No.	Amount
Research	56	\$25,586,565
Instructional Programs	2	\$26,800
<b>Total:</b>	<b>58</b>	<b>\$25,613,365</b>

**May 2007 Cumulative summary****Awards Received**

Category	07.01.2004 - 05.31.2005		07.01.2005 - 05.31.2006		07.01.2006 - 05.31.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	324	\$65,363,895	358	\$60,786,574	393	\$62,311,030
Facilities and Equipment						
Instructional Programs	3	\$445,643	3	\$308,546	6	\$729,452
Other Programs						
Service Programs						
<b>Total:</b>	<b>327</b>	<b>\$65,809,538</b>	<b>361</b>	<b>\$61,095,120</b>	<b>399</b>	<b>\$63,040,482</b>

**Proposals Submitted**

Category	07.01.2004 - 05.31.2005		07.01.2005 - 05.31.2006		07.01.2006 - 05.31.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	728	\$207,052,296	758	\$191,326,608	724	\$251,396,360
Facilities and Equipment						
Instructional Programs	19	\$3,384,304	23	\$4,317,101	34	\$3,968,117
Other Programs			1	\$5,000	1	\$9,750
Service Programs						
<b>Total:</b>	<b>747</b>	<b>\$210,436,600</b>	<b>782</b>	<b>\$195,648,709</b>	<b>759</b>	<b>\$255,374,227</b>

**Awards received during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Jumper, Eric J. (Center or Institute) Cavalieri, David	Optical Propagation Improvement System (OPIS)	Corporate Funding	\$268,000	24
Jumper, Eric J. (Center or Institute) Cavalieri, David	Aero-Optics Beacon for Adaptive Optics	Corporate Funding	\$30,000	9
Niebur, Glen L. Ovaert, Timothy C.	Growth of Trabecular Bone Damage Due to Off-Axis Loads	National Institutes of Health	\$206,514	12
Renaud, John E. (Center or Institute) Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	\$12,000	36
Renaud, John E. (Center or Institute)	Nonlinear Crackworthiness Design Tool Development Using Cellular Automata	Corporate Funding	\$128,878	24
<b>Department or Office:</b>	Anthropology			
Sheridan, Susan G.	REU Site: Undergraduate Research in Biocultural Anthropology	National Science Foundation	\$89,316	36
<b>Department or Office:</b>	Biological Sciences			
Adams, John H. (Center or Institute)	Developing a Transposon-based Toolkit for Genetic Analysis of Malaria Parasites	National Institutes of Health	\$145,650	12
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	\$60,000	26
Besansky, Nora J. (Center or Institute)	Ecological Genomics of Anopheles gambiae	National Institutes of Health	\$94,184	12
Lodge, David M. Lamberti, Gary A. (Center or Institute)	Ecological Forecasting	National Science Foundation	\$7,500	60
Lodge, David M. Lamberti, Gary A. (Center or Institute)	Ecological Forecasting	National Science Foundation	\$9,750	60
Rowling, Matthew Welsh, JoEllen J.	Uptake of Vitamin A and Breast Cancer	National Institutes of Health	\$75,000	24

**Awards received during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Welsh, JoEllen J. Tenniswood, Martin	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	\$322,431	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Bohn, Paul W.	Molecular Aspects of Transport in Thin Films of Controlled Architecture	Department of Energy	\$125,001	12
Brennecke, Joan F. (Center or Institute)	Ionic Liquids for CO2 Capture from Advanced Post-Combustion or Advanced Pre-Combustion Gases	Private Foundation	\$85,474	12
Maginn, Edward J. Brennecke, Joan F. Schneider, William F.	Ionic Liquids: Breakthrough Technology for Post-Combustion CO2 Capture	Department of Energy	\$457,430	40
<b>Department or Office:</b>	Chemistry and Biochemistry			
Lieberman, Marya (Center or Institute) Porod, Wolfgang	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	\$20,000	36
Smith, Bradley D.	Molecular Probes for Biomembrane Recognition	National Institutes of Health	\$301,266	48
Smith, Bradley D.	Macrocyclic Scavengers of Chloroalkanes	Private Foundation	\$90,000	28
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	\$279,648	36
Taylor, Richard E.	Post Doctoral Fellowship for Dr. Ziaullah	Higher Education Commission (Pakistan)	\$28,000	12
<b>Department or Office:</b>	Computer Science & Engineering			
Izaguirre, Jesus A. Striegel, Aaron Peng, Jeffrey W.	Grid-Enabled Integration of Experimental Data and Simulations for Flexible Protein Docking	National Science Foundation	\$12,000	36
Poellabauer, Christian	CAREER: Judicious Resource Management in Wireless Service Sharing Environments	National Science Foundation	\$12,000	60

**Awards received during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	\$12,000	60
Thain, Douglas L.	CAREER: Data Intensive Grid Computing on Active Storage Clusters	National Science Foundation	\$12,000	60
<b>Department or Office:</b>	Electrical Engineering			
Stevenson, Robert L.	Advanced Digital Video Compression: New Technologies for Security Applications	Purdue University	\$9,000	38
Xing, Huili (Center or Institute)	Polarization-Doped GaN Bipolar Transistors	Department of Navy	\$116,000	20
<b>Department or Office:</b>	History			
Turner, James C.	Philology and the Shaping of the Modern Humanities	National Endowment for the Humanities	\$40,000	11
<b>Department or Office:</b>	Keough Institute for Irish Studies			
Wilkinson, John L. (Center or Institute)	Rickett's Blue	National Humanities Center	\$40,000	10
<b>Department or Office:</b>	Kroc Institute for International Peace Studies			
Darby, John (Center or Institute)	The Peace Accord Matrix	U.S. Institute of Peace	\$46,772	18
Wallenstein, Peter N.				
<b>Department or Office:</b>	Mathematics			
Han, Qing	Nonlinear Partial Differential Equations and Applications	National Science Foundation	\$110,054	36
Ledrappier, Francois M.	Ergodic Theory	National Science Foundation	\$32,700	37
Starchenko, Sergei	Topics in O-Minimal Structures	National Science Foundation	\$271,300	36
<b>Department or Office:</b>	Physics			
Bennett, David P. (Center or Institute)	Analysis and Interpretation of Planetary Gravitational Microlensing Events	National Science Foundation	\$334,611	35
Garg, Umesh Wayne, Mitchell R.	REU Site: Physics REU and RET Program at the University of Notre Dame	National Science Foundation	\$104,000	60



**Awards received during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Howk, Jay C. (Center or Institute) Balsara, Dinshaw S.	High-Velocity Clouds in the Galactic Environment: A Numerical Study Motivated by Observations	National Aeronautics and Space Administration	\$51,453	36
Wiescher, Michael C. (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$75,000	60
Wiescher, Michael C. Garg, Umesh (Center or Institute) Collon, Philippe A.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$13,681	36
Wiescher, Michael C. Garg, Umesh (Center or Institute) Collon, Philippe A.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,400,000	36
<b>Department or Office:</b> Political Science				
Hagopian, Frances	Reorganizing Political Representation and Patronage in Latin America: Parties, Programs, and Patronage in Argentina, Brazil, Chile, and Mexico.	Woodrow Wilson International Center for Scholars	\$66,600	7
<b>Department or Office:</b> Psychology				
Borkowski, John Gregg Whitman, Thomas Lee (Center or Institute) Maxwell, Scott E. Lefever, Jennifer E.	Precursors of Retardation in Children with Teen Mothers	National Institutes of Health	\$265,993	12
Cummings, E. M.	2007 American Psychological Foundation Elizabeth Munsterberg Koppitz Travel Stipend	Private Foundation	\$4,000	14
Lubke, Gitta	Psychometric and Genetic Assessments of Substance Abuse	Virginia Commonwealth University	\$17,511	12
<b>Department or Office:</b> Sociology				
Cardenas, Gilberto (Center or Institute)	Documents of 20th Century Latin American and Latino Art	Private Foundation	\$22,240	12

**Awards received during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> The Graduate School (Other)				
Akai, Terrence J.	Beinecke Scholarship for SARA E. FERRY	Private Foundation	\$5,000	16
Akai, Terrence J.	Beinecke Scholarship for COURTNEY LUCKHARDT	Private Foundation	\$3,750	16
<b>Department or Office:</b> Upward Bound				
Coates, Alyssia J.	Overcoming Barriers and Challenges to Education in Indiana	Corporate Funding	\$10,000	12

**Proposals submitted during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Bowling, Alan P.	Dynamic Performance Analysis Applied to Musculoskeletal System Health	National Institutes of Health	\$0	11
Corke, Thomas C. Thomas, Flint O.	Quad-Tilt-Rotor Flow Control Using Plasma Actuators	Corporate Funding	\$100,024	7
Corke, Thomas C. Wang, Meng Batill, Stephen M. Renaud, John E. Thomas, Flint O.	Center for Flow Control Design Optimization	National Science Foundation	\$15,967,353	60
Corke, Thomas C. Thomas, Flint O.	Intelligent Helicopter-Rotor Flow Control Using On-Blade Plasma Actuators and Sensors: Phase I	Corporate Funding	\$60,000	12
Gordeyev, Stanislav V. Thomas, Flint O.	A Novel Non-Intrusive Experimental Technique for Low-order Modelling and Control of Subsonic Jet Noise Production.	National Aeronautics and Space Administration	\$505,493	36
Renaud, John E. Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	\$12,000	12
Renaud, John E. Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	\$11,000	12
Thomas, Flint O. Wang, Meng Corke, Thomas C.	Noise Reduction Concepts for Hybrid Wing/Body Systems Using Dielectric Barrier Discharge Plasma Actuators.	National Aeronautics and Space Administration	\$520,607	36
Wagner, Diane R.	Osteochondral Tissue Engineering through Non-Homogeneous Mechanical Loads.	National Institutes of Health	\$0	12
<b>Department or Office:</b>	Biological Sciences			
Adams, John H.	Immunological Characterization of the P.vivax DBP	National Institutes of Health	\$602,941	12

**Proposals submitted during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Miller, Albert E. McGinn, Paul J.	Nonofiber Paper for Fuel Cells and Catalyst Supports	Corporate Funding	\$30,000	9
Zhu, Yingxi E.	IREE Supplement: Water-Immersed Polymer Interfaces and the Role of their Interfacial Properties on Bio-Interfacial Forces	National Science Foundation	\$12,000	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$375,000	12
DuBois, Jennifer	Microbial Iron Acquisition and Its Implications for Human Health.	National Institutes of Health	\$0	12
Krchnak, Viktor	Development of New Organic Compounds with Anticancer Activity Using Combinatorial Chemistry.	University of Polacky	\$0	60
Lappin, Alexander G.	Development of Synthetic Transformations for the Design of Cascade Reaction Sequences.	Private Foundation	\$50,000	60
Miller, Marvin J. Krchnak, Viktor	Novel Derivatization/Functionalization of Natural Products.	National Institutes of Health	\$329,369	12
Taylor, Richard E.	Polyketide Inhibitors of Eukaryotic Protein Synthesis	National Institutes of Health	\$286,001	12
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Burns, Peter C.	Ephemeral Sand Waves in the Nearshore Surf Zone	Department of Navy	\$132,639	24
Burns, Peter C.	Dissolution of U(VI) Mineral Phases Via Bacterially Mediated Electron Transfer Reactions	University of Kansas	\$110,851	36
Fein, Jeremy B.	Thermodynamic Properties of Uranyl Minerals.	Department of Energy	\$75,000	12

**Proposals submitted during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Fein, Jeremy B.	The Role of Sulfhydryl Sites on Bacterial Cell Walls in Affecting Metal Mobilities in Contaminated Groundwater Systems.	Princeton University	\$35,607	12
Talley, Jeffrey W.	Evaluating the Efficacy of Arsenic In-Situ Stabilization at an Industrial Site	Corporate Funding	\$119,175	6
Talley, Jeffrey W.	Evaluating the Long-term Efficacy of Arsenic In-Situ Stabilization at an Industrial Site.	Corporate Funding	\$52,350	2
<b>Department or Office:</b>	Classics, The			
Amar, Joseph P.	Ephrem the Syrian: An Intellectual and Cultural Biography	National Endowment for the Humanities	\$42,000	10
<b>Department or Office:</b>	College of Engineering			
Dunn, Robert M.	SolarShade	Private Foundation	\$20,000	12
<b>Department or Office:</b>	Computer Science & Engineering			
Brockman, Jay B. Niemier, Michael T. Kogge, Peter M.	Memory-Based Structured ASIC Study	Department of the Air Force	\$234,640	6
Brockman, Jay B. Niemier, Michael T. Kogge, Peter M.	Memory-Based Structured ASIC Study	Department of the Air Force	\$247,343	6
Kogge, Peter M. Brockman, Jay B. Hu, Xiaobo Porod, Wolfgang Niemier, Michael T. Bernstein, Gary H.	Blending Processing into Advanced Memory Technologies to Enhance Massive, Memory-critical Applications.	National Security Agency	\$980,153	24
Striegel, Aaron Poellabauer, Christian	PolyMoNet: Polymorphous Networking for Tactical Environments	Private Foundation	\$384,000	36

**Proposals submitted during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Electrical Engineering			
Bernstein, Gary H. Fay, Patrick J. Snider, Gregory L. Brockman, Jay B.	Ultra-Wide-Bandwidth, Contiguous Superconnects for Advanced Computing Systems	National Security Agency	\$965,826	24
Fuja, Thomas E. Laneman, J. N. Haenggi, Martin	SystemWare: Retooling Systems Instruction in Electrical Engineering	National Science Foundation	\$150,000	24
Jena, Debdeep	Diodes Fabricated from BTD-grown GaN	Corporate Funding	\$30,150	10
<b>Department or Office:</b>	English			
Huk, Romana C.	"Trying to Say 'God' ":In the Arc of Postmodern Theory, Theology, and Poetry.	National Endowment for the Humanities	\$42,000	10
Lander, Jesse M.	"They Say That Miracles are Past": Staging the Supernatural in Shakespeare's England	National Endowment for the Humanities	\$42,000	10
<b>Department or Office:</b>	Executive Programs Division			
Burke, Leo F. Johnson, Karl	Whole System Integral Change (WISC) for Solicitation N63394-07-0039	Department of Navy	\$430,778	4
<b>Department or Office:</b>	Film, Television, and Theatre			
Chalmers, Jessica	The Art of Negative Thinking: Performance in the Wake of the Counterculture	National Endowment for the Humanities	\$42,000	10
<b>Department or Office:</b>	Mathematics			
Alber, Mark S. Izaguirre, Jesus A.	Development and Improvement of a Tissue-Simulation Environment	Indiana University Bloomington	\$110,610	12
<b>Department or Office:</b>	Music			
Frandsen, Mary E.	Music and Devotion in Seventeenth-Century Lutheranism	National Endowment for the Humanities	\$40,000	11
Haimo, Ethan T.	Hayden's Debt to Cimarosa	National Endowment for the Humanities	\$43,000	12
<b>Department or Office:</b>	Philosophy			
Sterba, James P.	Two book Projects: Political Philosophy and Affirmative Action	Private Foundation	\$60,000	9

**Proposals submitted during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Physics				
Balsara, Dinshaw S.	The Spreading of Matter in Boundary Layers of Accreting White Dwarfs: Relevance to Space Observations.	Villanova University	\$107,148	36
Balsara, Dinshaw S. Rettig, Terrence W.	Dust Settling in Turbulent Protostellar Disks	National Aeronautics and Space Administration	\$219,528	36
Garnavich, Peter M.	Sweeping Away the Dust: Reliable Dark Energy with an Infrared Hubble Diagram	National Aeronautics and Space Administration	\$40,050	15
Lehner, Nicolas Howk, Jay C.	Highly Ionized Plasma in the Milky Way: A Benchmark for Feedback Studies in the Universe.	National Aeronautics and Space Administration	\$48,000	12
Rettig, Terrence W. Balsara, Dinshaw S.	Dust Settling in Protostellar Disks: Observations Supported by Theory.	National Aeronautics and Space Administration	\$72,014	36
Ruggiero, Steven T.	Nano-Porous Materials for Nano/Bio. Applications	Corporate Funding	\$174,675	24
Tanner, Carol E.	Absolute Optical Frequency Measurements in Neutral Silver: Toward the Realization of an Optical Clock.	National Institute Standards & Technology	\$150,000	36
Wiescher, Michael C.	End Detector System for the Notre Dame Recoil Mass Separator-Supplement	National Science Foundation	\$13,681	3
<b>Department or Office:</b> Program of Liberal Studies				
Stapleford, Thomas A.	Home & Market: Women, Economics, and the Study of Consumption, 1910-1960	National Endowment for the Humanities	\$50,400	11
<b>Department or Office:</b> Psychology				
Cummings, E. M. Cummings, Jennifer Faircloth, William B.	Marital Conflict Focused Parent Education for Families with Adolescents	Private Foundation	\$405,996	24

**Proposals submitted during the period May-01-2007 to May-31-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Eberhard, Kathleen M.	Effective Human-Robot Interaction Under Time Pressure Through Robust Natural Language Dialogue.	Indiana University Bloomington	\$69,438	60
Lefever, Jennifer E. Borkowski, John G.	01-Linking Three Epidemics: Early Neglect, Childhood Overweight, and School Failure	National Institutes of Health	\$289,513	12
Smith, David A.	Spousal Expression of Criticism/Hostility and Admusement Among Chronic Pain Patients.	Rosalind Franklin University	\$449,212	12
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	Education for Nonviolent Classrooms: A Take Ten Teacher Manual.	Private Foundation	\$50,000	12
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto	National Latino Overweight and Obesity Education and Prevention Initiative	Health & Human Services	\$195,000	12
<b><u>Proposals for Instructional Programs</u></b>				
<b>Department or Office:</b>	English			
Staud, John J.	Brach Foundation ACE Proposal	Private Foundation	\$25,000	9
<b>Department or Office:</b>	Robinson Community Learning Center			
Tomas Morgan, Peter L.	Neighborhood Transformation Project	Private Foundation	\$1,800	3



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

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Aquatic Conservation	2	\$17,250
Center for Astrophysics	2	\$386,064
Center for Children and Families	1	\$265,993
Center for Flow Physics and Control	4	\$438,878
Center for Global Health and Infectious Diseases	2	\$239,834
Environmental Research Center	1	\$60,000
Institute for Latino Studies	1	\$22,240
Joint Institute for Nuclear Astrophysics	2	\$1,413,681
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	1	\$46,772
ND Energy Center	1	\$85,474
Nano Science and Technology Center	2	\$136,000
Nuclear Structure Laboratory	3	\$1,488,681
Walther Cancer Institute Chair I	1	\$279,648
Walther Cancer Research Center	1	\$279,648
<b>Total:</b>	<b>25</b>	<b>\$5,200,163</b>

**Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	1	\$25,000
Center for Astrophysics	2	\$88,050
Center for Children and Families	2	\$695,509
Center for Flow Physics and Control	5	\$16,150,377
Center for Microfluidics and Medical Diagnostics	1	\$12,000
Center for Transgene Research	1	\$375,000
Gigot Center	1	\$20,000
Institute for Latino Studies	1	\$195,000
Interdisciplinary Center for the Study of Biocomplexity	1	\$110,610
Joint Institute for Nuclear Astrophysics	1	\$13,681
Nano Science and Technology Center	2	\$995,976
Robinson Community Learning Center	2	\$51,800
<b>Total:</b>	<b>20</b>	<b>\$18,733,003</b>

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2006 to 05/31/2007**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	3	\$347,500
Center for Applied Mathematics	1	\$299,998
Center for Aquatic Conservation	3	\$649,438
Center for Astrophysics	12	\$903,055
Center for Children and Families	6	\$2,437,879
Center for Flow Physics and Control	27	\$2,740,714
Center for Global Health and Infectious Diseases	15	\$7,941,067
Center for Microfluidics and Medical Diagnostics	3	\$1,245,360
Center for Research Computing	1	\$118,321
Center for Social Concerns	3	\$64,150
Center for Transgene Research	4	\$2,767,043
Center for Zebrafish Research	4	\$680,378
Center for the Study of Religion and Society	3	\$1,356,508
Environmental Research Center	3	\$126,000
Freimann Life Science Center	3	\$23,951
Institute for Church Life	2	\$80,000
Institute for Educational Initiatives	2	\$79,900
Institute for Latino Studies	14	\$1,163,762
Institute for Theoretical Sciences	1	\$6,000
Interdisciplinary Center for the Study of Biocomplexity	3	\$818,466
Joint Institute for Nuclear Astrophysics	2	\$1,413,681
Kellogg Institute for International Studies	2	\$319,476
Keough Institute for Irish Studies	3	\$250,623
Kroc Institute for International Peace Studies	1	\$46,772
Medieval Institute	1	\$20,000
ND Energy Center	2	\$235,774
Nano Science and Technology Center	34	\$3,876,331
Nuclear Structure Laboratory	5	\$3,503,174
Radiation Laboratory	6	\$1,004,230
Robinson Community Learning Center	7	\$87,066
Snite Museum of Art	1	\$5,000
South Bend Center for Medical Education	2	\$337,415
Walther Cancer Institute Chair I	1	\$279,648

**Awards and Proposal Summary****Centers and Institutes Report****07/01/2006 to 05/31/2007**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Walther Cancer Research Center	6	\$880,648
<b>Total:</b>	<b>186</b>	<b>\$36,109,328</b>

**Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	3	\$383,593
Center for Applied Mathematics	3	\$1,893,933
Center for Aquatic Conservation	5	\$169,829
Center for Astrophysics	16	\$4,878,848
Center for Children and Families	5	\$1,198,021
Center for Complex Network Research	2	\$545,000
Center for Flow Physics and Control	27	\$27,540,144
Center for Global Health and Infectious Diseases	26	\$27,423,282
Center for Microfluidics and Medical Diagnostics	8	\$1,831,469
Center for Research Computing	2	\$747,591
Center for Social Concerns	2	\$14,639
Center for Transgene Research	6	\$3,316,071
Center for Zebrafish Research	13	\$3,746,377
Center for the Study of Religion and Society	9	\$2,271,121
Environmental Research Center	2	\$1,688,603
Freimann Life Science Center	4	\$614,437
Gigot Center	1	\$20,000
Institute for Church Life	3	\$135,000
Institute for Latino Studies	17	\$3,497,488
Interdisciplinary Center for the Study of Biocomplexity	3	\$702,877
John A. Kaneb Center for Teaching and Learning	1	\$20,000
Joint Institute for Nuclear Astrophysics	3	\$3,142,091
Kellogg Institute for International Studies	5	\$527,999
Keough Institute for Irish Studies	4	\$164,368
Kroc Institute for International Peace Studies	3	\$197,645
Medieval Institute	3	\$1,070,400
ND Energy Center	9	\$6,192,587
Nano Science and Technology Center	49	\$13,205,801
Nuclear Structure Laboratory	2	\$184,493
Radiation Laboratory	9	\$20,013,286
Rare Disease Research Center	2	\$374,220
Robinson Community Learning Center	12	\$498,800
Walther Cancer Institute Chair I	1	\$288,000
Walther Cancer Research Center	13	\$3,319,282
<b>Total:</b>	<b>273</b>	<b>\$131,817,295</b>

**Awards received during the period May-01-2007 to May-31-2007**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Center for Aquatic Conservation			
Lodge, David M.	Ecological	National Science	\$9,750	005850-001
Lamberti, Gary A.	Forecasting	Foundation		
(Center or Institute)				
Lodge, David M.	Ecological	National Science	\$7,500	005850-001
Lamberti, Gary A.	Forecasting	Foundation		
(Center or Institute)				
<b>Department or Office:</b>	Center for Astrophysics			
Bennett, David P.	Analysis and	National Science	\$334,611	007088-001
(Center or Institute)	Interpretation of	Foundation		
	Planetary			
	Gravitational			
	Microlensing Events			
Howk, Jay C.	High-Velocity Clouds	National Aeronautics	\$51,453	007070-001
(Center or Institute)	in the Galactic	and Space		
	Environment: A	Administration		
Balsara, Dinshaw S.	Numerical Study			
	Motivated by			
	Observations			
<b>Department or Office:</b>	Center for Children and Families			
Borkowski, John Gregg	Precursors of	National Institutes of	\$265,993	000484-001
Whitman, Thomas Lee	Retardation in	Health		
(Center or Institute)	Children with Teen			
	Mothers			
Maxwell, Scott E.				
Lefever, Jennifer E.				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J.	Optical Propagation	Corporate	\$268,000	007087-001
(Center or Institute)	Improvement System	Funding		
Cavalieri, David	(OPIS)			
Jumper, Eric J.	Aero-Optics Beacon	Corporate Funding	\$30,000	007077-001
(Center or Institute)	for Adaptive Optics			
Cavalieri, David				
Renaud, John E.	Nonlinear	Corporate Funding	\$128,878	006809-001
(Center or Institute)	Crackworthiness			
	Design Tool			
	Development Using			
	Cellular Automata			
Renaud, John E.	Multiscale Design	National Science	\$12,000	007047-001
(Center or Institute)	Tool Development for	Foundation		
Tomar, Vikas	High Performance			
	Nanocomposites			

**Awards received during the period May-01-2007 to May-31-2007****Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Award #</b>
<b>Department or Office:</b> Center for Global Health and Infectious Diseases				
Adams, John H. (Center or Institute)	Developing a Transposon-based Toolkit for Genetic Analysis of Malaria Parasites	National Institutes of Health	\$145,650	006819-001
Besansky, Nora J. (Center or Institute)	Ecological Genomics of Anopheles gambiae	National Institutes of Health	\$94,184	006485-001
<b>Department or Office:</b> Environmental Research Center				
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	\$60,000	006340-001
<b>Department or Office:</b> Institute for Latino Studies				
Cardenas, Gilberto (Center or Institute)	Documents of 20th Century Latin American and Latino Art	Private Foundation	\$22,240	007052-001
<b>Department or Office:</b> Joint Institute for Nuclear Astrophysics				
Wiescher, Michael C. Garg, Umesh (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,400,000	006528-001
Collon, Philippe A. Wiescher, Michael C. Garg, Umesh (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$13,681	006528-001
Collon, Philippe A.				
<b>Department or Office:</b> Keough Institute for Irish Studies				
Wilkinson, John L. (Center or Institute)	Rickett's Blue	National Humanities Center	\$40,000	007095-001
<b>Department or Office:</b> Kroc Institute for International Peace Studies				
Darby, John (Center or Institute)	The Peace Accord Matrix	U.S. Institute of Peace	\$46,772	007089-001
Wallenstein, Peter N.				
<b>Department or Office:</b> ND Energy Center				
Brennecke, Joan F. (Center or Institute)	Ionic Liquids for CO2 Capture from Advanced Post-Combustion or Advanced Pre-Combustion Gases	Private Foundation	\$85,474	007082-001

**Awards received during the period May-01-2007 to May-31-2007**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Nano Science and Technology Center				
Xing, Huili (Center or Institute)	Polarization-Doped GaN Bipolar Transistors	Department of Navy	\$116,000	007093-001
Lieberman, Marya (Center or Institute)	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	\$20,000	006349-001
Porod, Wolfgang				
<b>Department or Office:</b> Nuclear Structure Laboratory				
Wiescher, Michael C. Garg, Umesh (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,400,000	006528-001
Collon, Philippe A.				
Wiescher, Michael C. Garg, Umesh (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$13,681	006528-001
Collon, Philippe A.				
Wiescher, Michael C (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$75,000	006117-001
<b>Department or Office:</b> Walther Cancer Institute Chair I				
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	\$279,648	006785-001
<b>Department or Office:</b> Walther Cancer Research Center				
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	\$279,648	006785-001

**Proposals submitted during the period May-01-2007 to May-31-2007****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Astrophysics			
Garnavich, Peter M.	Sweeping Away the Dust: Reliable Dark Energy with an Infrared Hubble Diagram	National Aeronautics and Space Administration	\$40,050	07110748
Lehner, Nicolas Howk, Jay C.	Highly Ionized Plasma in the Milky Way: A Benchmark for Feedback Studies in the Universe.	National Aeronautics and Space Administration	\$48,000	07110741
<b>Department or Office:</b>	Center for Children and Families			
Cummings, E. M. Cummings, Jennifer Faircloth, William B.	Marital Conflict Focused Parent Education for Families with AdolescentsP	Private Foundation	\$405,996	07110751
Lefever, Jennifer E. Borkowski, John G.	01-Linking Three Epidemics: Early Neglect, Childhood Overweight, and School Failure	National Institutes of Health	\$289,513	07110752
<b>Department or Office:</b>	Center for Flow Physics and Control			
Renaud, John E. Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	\$12,000	07110722
Renaud, John E. Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	\$11,000	07110723
Corke, Thomas C. Wang, Meng Batill, Stephen M. Renaud, John E. Thomas, Flint O.	Center for Flow Control Design Optimization	National Science Foundation	\$15,967,353	07110728
Corke, Thomas C. Thomas, Flint O.	Intelligent Helicopter-Rotor Flow Control Using On-Blade Plasma Actuators and Sensors: Phase I	Corporate Funding	\$60,000	07110735
Corke, Thomas C. Thomas, Flint O.	Quad-Tilt-Rotor Flow Control Using Plasma Actuators	Corporate Funding	\$100,024	07110766
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Zhu, Yingxi E.	IREE Supplement: Water-Immersed Polymer Interfaces and the Role of their Interfacial Properties on Bio-Interfacial Forces	National Science Foundation	\$12,000	07110767

## Proposals submitted during the period May-01-2007 to May-31-2007

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b>	Center for Transgene Research			
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$375,000	07110770
<b>Department or Office:</b>	Gigot Center			
Dunn, Robert M.	SolarShade	Private Foundation	\$20,000	07110737
<b>Department or Office:</b>	Institute for Latino Studies			
Cardenas, Gilberto	National Latino Overweight and Obesity Education and Prevention Initiative	Health & Human Services	\$195,000	07110762
<b>Department or Office:</b>	Interdisciplinary Center for the Study of Biocomplexity			
Alber, Mark S.	Development and Improvement of a Tissue-Simulation Environment	Indiana University Bloomington	\$110,610	07110750
Izaguirre, Jesus A.				
<b>Department or Office:</b>	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C.	End Detector System for the Notre Dame Recoil Mass Separator-Supplement	National Science Foundation	\$13,681	07110756
<b>Department or Office:</b>	Nano Science and Technology Center			
Bernstein, Gary H.	Ultra-Wide-Bandwidth, Contiguous Superconnects for Advanced Computing Systems	National Security Agency	\$965,826	07110727
Fay, Patrick J.				
Snider, Gregory L.				
Brockman, Jay B.				
Jena, Debdeep	Diodes Fabricated from BTD-grown GaN	Corporate Funding	\$30,150	07110738
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	Education for Nonviolent Classrooms: A Take Ten Teacher Manual.	Private Foundation	\$50,000	07110740

### Proposals for Instructional Programs

<b>Department or Office:</b>	Alliance for Catholic Education			
Staud, John J.	Brach Foundation ACE Proposal	Private Foundation	\$25,000	07110757
<b>Department or Office:</b>	Robinson Community Learning Center			
Tomas Morgan, Peter L.	Neighborhood Transformation Project	Private Foundation	\$1,800	07110746



**Awards and Proposal Summary**

06/01/2007 to 06/30/2007

**Awards Received**

Category	No.	Amount
Research	85	\$19,653,093
Instructional Programs	3	\$507,818
<b>Total:</b>	<b>88</b>	<b>\$20,160,911</b>

**Proposals Submitted**

Category	No.	Amount
Research	66	\$13,176,191
Instructional Programs	4	\$1,533,776
<b>Total:</b>	<b>70</b>	<b>\$14,709,967</b>

**June 2007 Cumulative summary****Awards Received**

Category	07.01.2004 - 06.30.2005		07.01.2005 - 06.30.2006		07.01.2006 - 06.30.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	393	\$79,654,148	398	\$70,098,428	478	\$81,964,123
Facilities and Equipment						
Instructional Programs	9	\$1,123,719	7	\$999,771	9	\$1,237,270
Other Programs						
Service Programs						
<b>Total:</b>	<b>402</b>	<b>\$80,777,867</b>	<b>405</b>	<b>\$71,098,199</b>	<b>487</b>	<b>\$83,201,393</b>

**Proposals Submitted**

Category	07.01.2004 - 06.30.2005		07.01.2005 - 06.30.2006		07.01.2006 - 06.30.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	771	\$220,220,405	824	\$219,182,915	791	\$265,396,747
Facilities and Equipment						
Instructional Programs	19	\$3,384,304	26	\$7,062,101	38	\$5,501,893
Other Programs			1	\$5,000	1	\$9,750
Service Programs						
<b>Total:</b>	<b>790</b>	<b>\$223,604,709</b>	<b>851</b>	<b>\$226,250,016</b>	<b>830</b>	<b>\$270,908,390</b>

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C. (Center or Institute)	Modeling and Experiments of Plasma Actuators for Projectile Steering and Range Enhancement.	Corporate Funding	\$82,800	11
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	\$100,024	21
Jumper, Eric J. (Center or Institute)	Airborne Aero-Optic Laboratory (AAOL)	Department of Navy	\$1,043,615	36
Cavalieri, David Wang, Meng				
Jumper, Eric J. (Center or Institute)	Directed Energy Beam Improvement - Binary Control for Advanced Tactical Laser (DEBI-BATL)	Corporate Funding	\$90,000	32
Cavalieri, David				
Morris, Scott C. Corke, Thomas C. (Center or Institute)	GEA-ND Casing Treatment Program	Corporate Funding	\$100,000	50
<b>Department or Office:</b> Biological Sciences				
Boyd, Sunny K.	Eleventh and Twelfth Annual Meetings for the Society for Behavioral Neuroendocrinology	National Science Foundation	\$20,200	12
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$9,959	72
Collins, Frank H. (Center or Institute)	Malaria Monitoring and Control Consortium	Private Foundation	\$5,036,375	72
Collins, Frank H. (Center or Institute)	VectorBase: A Bioinformatics Resource Center for Invertebrate Vectors of Human Pathogens	National Institutes of Health	\$2,064,736	21
Duman, John G.	Collaborative Research: Deep Supercooling to -100C and Lower in Alaska Populations of the Beetle Cucujus Clavipes	National Science Foundation	\$199,898	24

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Feder, Jeffrey L.	DNA and Morphometric Diagnostics for Apple and Snowberry Maggot Flies.	Washington Tree Fruit Research Commission	\$10,000	12
Feder, Jeffrey L.	DDlg-Cascading Speciation in a Parasitoid Wasp	National Science Foundation	\$9,740	24
Feder, Jeffrey L.	Collaborative Research: Host Race Formation among Southern Hawthorn-Infesting Rhagoletis pomonella	National Science Foundation	\$121,136	36
Hollocher, Hope	Dissertation Research: Examination of Expression Profile Differences in Candidate Loci Underlying Female Hybrid Sterility in Drosophila	National Science Foundation	\$11,577	11
Hyde, David R. (Center or Institute)	Development of Genetic Tools to Study Retinal Regeneration in Zebrafish	National Institutes of Health	\$32,063	12
Johnson, Alan L. Schorey, Jeffrey S.	Scavenger Receptor Mediated Cholesterol Precursor Uptake in Granulosa Cells from the Domestic Hen	Department of Agriculture	\$125,000	24
Kulpa, Charles F.	Genetic Control of Cardioblast Gene Expression and Heart Tube Morphogenesis.	National Institutes of Health	\$364,125	31
Severson, David W. Romero-Severson, Jeanne (Center or Institute) Streit, Thomas G.	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$632,313	24
Tank, Jennifer L.	Will Stream Restoration Enhance Ecosystem Resistance and Resilience to Storms	National Science Foundation	\$11,817	12
Vaughan, Kevin T. Goodson, Holly V.	Microtubule Dependent Transport of NPC-Containing Membranes	Private Foundation	\$75,000	24

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Welsh, JoEllen J. Tenniswood, Martin	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	\$44,162	36
Welsh, JoEllen J. Tenniswood, Martin	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	\$272,009	36
<b>Department or Office:</b>	Center for Social Concerns			
Lies, William M. (Center or Institute)	Holy Cross Seminars	(Priests of) Holy Cross, Indiana Province, Inc.	\$2,500	30
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Brennecke, Joan F. Paolucci, Samuel Sen, Mihir Stadtherr, Mark A. Maginn, Edward J.	Ionic Liquids for Utilization of Waste Heat from Distributed Power Systems	Department of Energy	\$75,000	24
McCready, Mark J.	Entrainment in two-phase gas-liquid flows	Corporate Funding	\$82,500	9
<b>Department or Office:</b>	Chemistry and Biochemistry			
Baker, Brian M.	Physical Basis for T Cell Receptor Binding and Activity	National Institutes of Health	\$43,394	12
Hartland, Gregory V.	Correlated Time-Resolved Spectroscopy and Structural Studies of Single Metal Particles	National Science Foundation	\$145,374	36
Helquist, Paul Wiest, Olaf G. (Center or Institute)	Development of Therapeutic Agents for Niemann-Pick Type C Disease	Private Foundation	\$249,480	24
Kuno, Masaru K.	CAREER: Disorder induced optical heterogeneity in solution based straight/branched nanowires	National Science Foundation	\$110,000	24
Miller, Marvin J.	Design, Syntheses and Studies of Novel Antituberculous Agents	National Institutes of Health	\$55,429	12
Miller, Marvin J. (Center or Institute) Chang, Mayland	Chemistry-Biochemistry Interface Training Program at Notre Dame	National Institutes of Health	\$86,588	60
Mobashery, Shahriar	Ribosomal Function & Antibiotic Design	National Institutes of Health	\$47,142	12

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Mobashery, Shahriar	Consulting	Corporate Funding	\$50,834	3
Mobashery, Shahriar	Resistance to Beta-Lactam Antibiotics	National Institutes of Health	\$62,330	48
Serianni, Anthony S.	Glucose Modification of Proteins in Diabetic Nephropathy	Vanderbilt University	\$33,342	12
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Kurama, Yahya C.	Properties of Concrete for Use in Fire-Design of Concrete Structures	Portland Cement Association	\$20,000	18
Nerenberg, Robert	Hollow-Fiber Membrane Microbial Fuel Cells (HFM-MFCS) for Electricity Production from Wastewater.	National Science Foundation	\$75,237	12
Westerink, Joannes J.	Development of a Gulf of Mexico Storm Surge Model from Texas to Florida.	Corporate Funding	\$187,500	12
<b>Department or Office:</b>	Computer Science & Engineering			
Brockman, Jay B.	SASIC "Structured Asic"	DARPA	\$234,640	8
Kogge, Peter M.				
Hu, Xiaobo	Reconfiguration and Defect Tolerance in Quantum-dot Cellular Automata Based Nano-Devices	National Science Foundation	\$275,000	36
Porod, Wolfgang				
Lieberman, Marya				
Kogge, Peter M.	Support of ExaScale Computing Feasibility Study	Georgia Institute of Technology	\$174,213	12
Niemier, Michael T.	Applications, Architectures, and Circuit Design for Nano-scale Magnetic Logic Devices	National Science Foundation	\$100,000	36
Bernstein, Gary H.				
Hu, Xiaobo				
(Center or Institute)				
Porod, Wolfgang				
<b>Department or Office:</b>	Economics and Econometrics			
Buckles, Kasey S.	Does the Adoption Subsidy Program Help At-Risk Children?	National Science Foundation	\$34,679	12
<b>Department or Office:</b>	Electrical Engineering			
Bernstein, Gary H.	Quilt Packaging for High Frequency RF - Phase I	Corporate Funding	\$25,000	3
Fay, Patrick J.				

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Costello, Daniel J. Fuja, Thomas E.	Power-and Bandwidth-Efficient Coding Techniques for Space and Satellite Communications	NASA - Goddard Space Flight	\$80,000	24
Lemmon, Michael D. Talley, Jeffrey W.	Advanced Technologies for Command Control of Combined Sewer Networks	Corporate Funding	\$265,979	24
Merz, James L. (Center or Institute)	FRG: Tailoring the Properties of Dilute Nitride Semiconductor Heterostructures	University of Michigan	\$80,100	24
<b>Department or Office:</b>	English			
Hall, Thomas N.	Digital Edition of Cambridge, Pembroke MS 25	National Endowment for the Humanities	\$100,000	12
Kerby-Fulton, Kathryn E.	Professional Reading Circles and the Rise of English Literature	Private Foundation	\$40,000	12
Staud, John J. (Center or Institute)	Brach Foundation ACE Proposal	Private Foundation	\$25,000	9
<b>Department or Office:</b>	Institute for Latino Studies			
Hernandez, Edwin I. (Center or Institute)	Latino Pastoral Leadership Initiative	Private Foundation	\$25,000	32
<b>Department or Office:</b>	Mathematics			
Budur, Nero	Local and Global Problems on Singularities for Higher Dimensional Algebraic Varieties	National Science Foundation	\$99,435	36
Cao, Jianguo	Global Riemannian Geometry and Analysis of Curved Spaces	National Science Foundation	\$107,710	36
Diller, Jeffrey A.	Geometry and Ergodic Theory of Rational Maps	National Science Foundation	\$116,819	36
Wong, Pit-Mann	Complex Finsler Geometry and Related Topics	National Science Foundation	\$108,500	36
<b>Department or Office:</b>	Office of Information Technologies			
Wishon, Gordon D. Kogge, Peter M. Latimer, Dewitt A.	Northwest Indiana Computation Grid (NWIC-Grid)	Department of Energy	\$1,000,000	60

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Philosophy				
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$40,000	15
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$20,000	15
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$40,000	15
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$20,000	15
<b>Department or Office:</b> Physics				
Barabasi, Albert-Laszlo	Characterizing the Dynamics of Complex Networks	National Science Foundation	\$167,000	60
Bennett, David P. (Center or Institute)	Gravitational Microlensing Planet Search Observations and Analysis	National Aeronautics and Space Administration	\$55,000	36
Howk, Jay C. (Center or Institute)	Discovery of a Lyman Limit System @ Z = 0.20258: The IGM/Galaxy Connection	National Aeronautics and Space Administration	\$41,200	12
Lehner, Nicolas				
Kolata, James J.	Nuclear Reactions with Short-Lived Nuclear Beams	University of Michigan	\$92,031	12
Kolda, Christopher F. (Center or Institute)	Probing the Physics of the Hierarchy Problem	National Science Foundation	\$35,000	36
Rettig, Terrence W. (Center or Institute)	Structure of Exoplanetary Atmospheres	National Science Foundation	\$43,377	36
Wayne, Mitchell R. Karmgard, Daniel J.	USCMS Education and Outreach	University of California-Los Angeles	\$2,254	60
Wayne, Mitchell R. Hildreth, Michael D. Ruchti, Randal C. Cason, Neal M. Goussiou, Anna	Research in Collider Physics	National Science Foundation	\$170,000	48
Wayne, Mitchell R. Karmgard, Daniel J.	USCMS Education and Outreach	University of California-Los Angeles	\$99,737	60
<b>Department or Office:</b> Political Science				
Lieber, Keir A.	The Challenge of Nuclear Proliferation in an Era of U.S. Primacy	Council on Foreign Relations	\$63,000	12

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
O'Donnell, Guillermo A.	State Response to Violence Against Women in Latin America	Department of Education	\$29,340	18
<b>Department or Office:</b> Psychology				
Borkowski, John G. Whitman, Thomas L.	Research Training in Mental Retardation	National Institutes of Health	\$155,784	12
Borkowski, John G. (Center or Institute) Maxwell, Scott E. Lefever, Jennifer E.	Preventing Child Maltreatment Through a Technology-Enhanced Parenting Intervention	University of Kansas	\$25,000	12
Cummings, E. M. (Center or Institute) Darby, John Maxwell, Scott E.	Children and Political Violence in Northern Ireland	National Institutes of Health	\$402,729	12
Cummings, E. M. (Center or Institute)	Child Regulation and Exposure to Marital Violence	Auburn University	\$30,246	12
McNeil, Nicole M.	Arithmetic Practice that Promotes Conceptual Understanding and Computational Fluency	Department of Education	\$761,425	48
Narvaez, Darcia F.	The Science of Virtue: Educating Expertise for Morally-Engaged Citizenship	Private Foundation	\$40,000	5



**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Radiation Laboratory				
Carmichael, Ian C. Madden, Keith P. Bentley, John J. Guldi, Dirk M. Pimblott, Simon M. Hug, Gordon L. Ferraudi, Guillermo J. LaVerne, Jay A. Chipman, Daniel M. (Center or Institute) Kamat, Prashant V. Meisel, Dan Tripathi, Gorakh Nath R. Bartels, David M.	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$2,355,002	39
<b>Department or Office:</b> Robinson Community Learning Center				
Caponigro, Jerome V.	JobWorks Youth Program	St. Joseph County Job Training Program	\$20,000	12
Tomas Morgan, Peter L. Caponigro, Jerome V. (Center or Institute)	Youth Justice Project	Indiana Criminal Justice Institute	\$45,000	12
<b>Department or Office:</b> Sociology				
Sikkink, David H. (Center or Institute)	Hudson Institute Project	Hudson Institute	\$20,000	8
Smith, Christian (Center or Institute)	South Bend Area Youth and Religion: Toward an Applied Approach to Religion-Based Youth Work (SBAYR)	Religious Research Association	\$2,880	1
Smith, Christian (Center or Institute)	Innovative Research on Gratitude and Generosity	Private Foundation	\$99,894	12
Smith, Christian (Center or Institute)	The Religion Survey Data Expansion Project	Private Foundation	\$99,920	12
<b>Department or Office:</b> Upward Bound				
Luckey, Velshonna N. (Center or Institute)	First Book Grant Program	First Book	\$2,000	0

**Awards received during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Instructional Programs</u></b>				
<b>Department or Office:</b> Center for Social Concerns				
Pettit, Rebecca T. (Center or Institute)	The National Youth Sports Program	The National Youth Sports Program Fund	\$4,000	5
<b>Department or Office:</b> Irish Language and Literature				
O Conchubhair, Brian Fox, Christopher (Center or Institute)	Fulbright Foreign Language Teaching Assistant Orientation	Institute for International Education	\$53,432	3
<b>Department or Office:</b> Upward Bound				
Coates, Alyssia J. (Center or Institute)	Upward Bound Program	Department of Education	\$450,386	12

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C.	Modeling and Experiments of Plasma Actuators for Projectile Steering and Range Enhancement.	Corporate Funding	\$82,800	12
<b>Department or Office:</b>	Biological Sciences			
D'Souza-Schorey, Crislyn	Spatial Control of Matrix Proteolysis in Breast Cancer'	Department of Defense	\$450,000	36
Ferdig, Michael T.	Genome Surveillance for Drug Resistant Malaria	Harvard University	\$120,018	12
Hellmann, Jessica J. McLachlan, Jason S.	Interdisciplinary Workshop on Assisted Migration	National Science Foundation	\$14,950	12
Hyde, David R.	Role of Pax6 in Photoreceptor Regeneration Using Conditional Knockdowns.	National Institutes of Health	\$225,000	12
Kulpa, Charles F.	Genetic Control of Cardioblast Gene Expression and Heart Tube Morphogenesis.	National Institutes of Health	\$375,000	12
Lamberti, Gary A.	Predicting the Spread and Impacts of Aquatic Molluscan Invaders During Dynamic Global Change.	North Carolina State University	\$167,083	36
Li, Lei	Characterization of Dominant Night Blindness Mutations in Zebrafish.	National Institutes of Health	\$375,000	12
Lodge, David M. Chang, Hsueh-Chia Feder, Jeffrey L.	Developing and Applying a real-time generic probe for detecting aquatic invasive specie in ships' ballast	Great Lakes Protection Fund	\$799,878	36
Lodge, David M. Hellmann, Jessica J.	Impacts of Climate Change on Human-mediated Dispersal of Species	Environmental Protection Agency	\$600,000	36
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Brennecke, Joan F.	Liquids for Utilization of Waste Heat from Distributed Power Generation Systems	Department of Energy	\$75,000	12

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Chang, Hsueh-Chia Sengupta, Shramik	Rapid DEP Sorting Spectrum of the Enteric Microbiome for the Diagnosis of IBD	National Institutes of Health	\$231,589	12
Mukasyan, Alexander S.	Titled Novel Carbon-Carbon and Carbon-Silicon Carbide Composite Cellular Structures.	Corporate Funding	\$57,877	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Balsara, Rashna D.	Role of Tissue-Type Plasminogen Activator in Cell Proliferation and Cell Signalling	National Institutes of Health	\$225,000	12
Basu, Subhash C. Chibber, Bakshy A. Basu, Manju	Search for Breast Cancer New Drugs Using Apoptosis as Tool	Department of Defense	\$450,000	36
Clark, Patricia L.	Secretion and Folding of Bacterial Virulence Proteins	National Institutes of Health	\$327,126	12
Gezelter, J. D.	Efficient Real-Space Electrostatics with Applications to Type V Anti-freeze Proteins	National Science Foundation	\$396,507	36
Goodson, Holly V.	Interactions Between CLIP-170 and Tubulin	National Institutes of Health	\$356,594	12
Krchnak, Viktor	Diversity-oriented Combinatorial Synthesis of Bisheterocyclic Libraries	National Institutes of Health	\$187,500	12
Lappin, Alexander G. Sevov, Slavi C. Taylor, Richard E. Henderson, Kenneth W. Smith, Bradley D.	Acquisition of a Quadrupole Time-of-Flight Mass Spectrometer	National Science Foundation	\$344,685	36
Ploplis, Victoria A.	The Fibrinolytic System in Chronic Inflammation	National Institutes of Health	\$375,000	-48
Scheidt, W. Robert	X-Ray and Chemical Studies of Metalloporphyrins	National Institutes of Health	\$375,000	12
Serianni, Anthony S.	Glucose Modification of Proteins in Diabetic Nephropathy	Vanderbilt University	\$62,250	12

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Sevov, Slavi C.	Chemistry of Deltahedral Zintl Ions and Their Organically-Functionalize Derivatives.	National Science Foundation	\$384,007	36
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Kareem, Ahsan Kijewski-Correa, Tracy L. Madey, Gregory R.	VORTEX-Winds: A Virtual Organization for Reducing the Toll of EXtreme Winds on Society	National Science Foundation	\$199,980	24
Kurama, Yahya C.	Hybrid Precast Wall Systems for Seismic Regions	Private Foundation	\$165,032	30
Kurama, Yahya C.	Hybrid Precast Wall Systems for Seismic Regions	Precast and Prestressed Concrete Institute	\$24,733	30
Westerink, Joannes J.	Development of a Gulf of Mexico Storm Surge Model from Texas to Florida.	Corporate Funding	\$102,606	12
<b>Department or Office:</b>	Economics and Econometrics			
Sullivan, James X.	Economic Well-Being and Enequality	University of Chicago	\$142,481	24
Wozniak, Abigail K.	Mechanisms Behind the Mobility Advantage of College Graduates	Private Foundation	\$36,000	12
<b>Department or Office:</b>	Electrical Engineering			
Bernstein, Gary H. Fay, Patrick J.	Quilt Packaging for High Frequency RF - Phase I	Corporate Funding	\$30,000	12
Fay, Patrick J. Hall, Douglas C.	Power Efficient Low Noise Amplifiers for SATCOM	Corporate Funding	\$60,872	6
Fay, Patrick J. Hall, Douglas C.	Power Efficient Low Noise Amplifiers for Wireless Communications.	Corporate Funding	\$75,003	12
Hall, Douglas C.	Reduction of Propagation Loss in Vertically Coupled Large Area (VECLA) Laser Waveguides Via Oxidation Smoothing.	Corporate Funding	\$20,000	4
Hall, Douglas C.	Compact Semiconductor Ring Resonator Lasers	Corporate Funding	\$67,500	12

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Hall, Douglas C.	Applications of Nonselective Oxidation to High-Brightness Laser Diode Arrays	Corporate Funding	\$9,000	5
Hall, Douglas C.	Oxidation Studies Related to the Realization High-Wallplug-Efficiency, 4.8 MicroMeter-Emitting, GaAs-based Quantum Cascade Lasers	University of Wisconsin	\$15,000	6
Laneman, J. N.	Software-Defined Radio Technologies for Justice and public Safety Communications.	National Institute of Justice	\$200,000	12
Xing, Huili	Ideal Channel Field-effect Transistors.	DARPA	\$95,000	7
<b>Department or Office:</b>	Mathematics			
Alber, Mark S.	Oscillatory Processes in Vertebrate Limb Development	New York Medical College	\$233,163	36
Cholak, Peter A. Starchenko, Sergei Buechler, Steven A. Knight, Scott D.	EMSW21-RTG: Research Training in Mathematical Logic at Notre Dame.	National Science Foundation	\$941,000	60
<b>Department or Office:</b>	Physics			
Barabasi, Albert-Laszlo	Integrated Antimicrobial Drug Discovery Scheme for Multidrug Resistant Bacteria	University of Pittsburgh	\$143,115	12
Bigi, Ikaros I.	Subtle Tests of the Standard Model & Probes for New Physics	National Science Foundation	\$22,500	7
Furdyna, Jacek K. Liu, Xiaobo Dobrowolska-Furdyna, Malgorzata	Ultra-high Efficiency Multi-junction Solar Cells Using Lattice-matched Compound Semiconductors	Arizona State University	\$240,000	36
Howk, Jay C. Lehner, Nicolas	Peering Through the LMC--Feedback in the Nearest Disk Galaxy	National Aeronautics and Space Administration	\$46,000	12

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Howk, Jay C. Lehner, Nicolas	The Optically Thick Intergalactic Medium Absorbers with GALEX (OPTIMA-G) Survey: Lyman Limit and Damped Lyman-alpha Systems at Low RedShift.	National Aeronautics and Space Administration	\$276,249	36
Lamm, Larry O. Stech, Edward J.	PIXE Analysis of Copper Samples	Department of Army	\$5,000	3
Lehner, Nicolas Howk, Jay C.	Origin and Structure of the Magellanic Bridge	National Aeronautics and Space Administration	\$30,000	12
Lehner, Nicolas Howk, Jay C.	Galactic Winds, Accretion, and Tidal Stripping in the Nearest Galaxies: A Far-UV Study of The Magellanic Clouds.	National Aeronautics and Space Administration	\$146,289	24
Wayne, Mitchell R. Jessop, Colin P. Karmgard, Daniel J.	CSCMS Hadron Calorimeter M&O Subsystem.	University of California-Los Angeles	\$20,000	12
Wayne, Mitchell R.	Scintillator Based Muon System R&D for a Linear Collider.	Department of Energy	\$10,000	24
<b>Department or Office:</b>	Political Science			
Hui, Tin-bor V.	China's Rise in Historical Perspective: Rethinking Unification and War	Private Foundation	\$60,000	12
Javeline, Debra	Political Response to Violence: Citizen Participation after Beslan	Private Foundation	\$59,599	12
O'Donnell, Guillermo A.	Residential Fellowship at Oxford	University of Oxford	\$109,926	10
Rosato, Sebastian	Balancing Act: The Power Politics of European Integration	Private Foundation	\$59,248	12
Singh, Naunihal	Seizure of Power: Why Some Military Coups Fail While Others Succeed	Private Foundation	\$60,000	12
Singh, Naunihal	Understanding the Dynamics and Outcomes of Military Coup Attempts.	Yale University	\$45,894	9

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
Singh, Naunihal	Understanding the Dynamics and Outcomes of Military Coup Attempts.	Ohio State University	\$36,000	9
Singh, Naunihal	Understanding The Dynamics and Outcomes of Military Coup Attempts.	University of California-Los Angeles	\$36,000	-3
<b>Department or Office:</b>	Psychology			
Bergeman, Cindy S. Lubke, Gitta	Notre Dame Study of Resiliency in Later Life	National Institutes of Health	\$269,843	11
Borkowski, John G. Maxwell, Scott E.	Preventing Child Neglect in High Risk Mothers	National Institutes of Health	\$1,729,750	12
Gibson, Bradley S. Gondoli, Dawn M.	Longitudinal Mediation and Moderation of Working Memory Training for Adolescents with ADHD	National Institutes of Health	\$225,000	12
<b>Department or Office:</b>	Robinson Community Learning Center			
Tomas Morgan, Peter L.	Youth Justice Project	Community Foundation of St. Joseph County	\$2,500	12
<b>Department or Office:</b>	Sociology			
Sikkink, David H.	Baylor University Project	Baylor University	\$25,000	21
Smith, Christian	South Bend Area Youth and Religion: Toward an Applied Approach to Religion-Based Youth Work (SBAYR)	Religious Research Association	\$2,880	1
<b>Department or Office:</b>	Theology			
Herd, Jennifer A.	Christian Formation in the Wake of Bildung	Private Foundation	\$40,164	12
<b><u>Proposals for Instructional Programs</u></b>				
<b>Department or Office:</b>	ACE Educational Outreach			
Johnstone, Joyce V.	National Math and Science Initiative	National Math and Science Initiative	\$1,097,599	72
<b>Department or Office:</b>	College of Engineering			
Cunningham, Robert J.	Boeing Notre Dame Scholars in Engineering & Business & Support for Diversity Programs Within the College of Engineering.	Corporate Funding	\$40,000	12



**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Sociology				
Cardenas, Gilberto	The Midwest Latino Arts Documentary Heritage Project	National Endowment for the Humanities	\$391,677	24
<b>Department or Office:</b> Theology				
Shappell, Andrea S.	Summer Service Learning Program	Corporate Funding	\$4,500	3

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**06/01/2007 to 06/30/2007**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	1	\$25,000
Center for Astrophysics	4	\$174,577
Center for Children and Families	3	\$457,975
Center for Flow Physics and Control	5	\$1,416,439
Center for Global Health and Infectious Diseases	3	\$7,733,424
Center for Philosophy of Religion	4	\$120,000
Center for Social Concerns	2	\$6,500
Center for Zebrafish Research	1	\$32,063
Center for the Study of Religion and Society	4	\$222,694
Institute for Latino Studies	1	\$25,000
Keough Institute for Irish Studies	1	\$53,432
Nano Science and Technology Center	2	\$180,100
Radiation Laboratory	1	\$2,355,002
Rare Disease Research Center	1	\$249,480
Robinson Community Learning Center	2	\$47,000
TRIO Programs	1	\$450,386
Walther Cancer Research Center	1	\$86,588
<b>Total:</b>	<b>37</b>	<b>\$13,635,660</b>

#### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	1	\$1,097,599
Center for Aquatic Conservation	2	\$1,399,878
Center for Astrophysics	1	\$46,000
Center for Children and Families	1	\$1,729,750
Center for Complex Network Research	1	\$143,115
Center for Flow Physics and Control	1	\$82,800
Center for Global Health and Infectious Diseases	1	\$120,018
Center for Microfluidics and Medical Diagnostics	1	\$231,589
Center for Social Concerns	1	\$4,500
Center for Transgene Research	2	\$600,000
Center for Zebrafish Research	1	\$225,000
Center for the Study of Religion and Society	2	\$27,880
Institute for Latino Studies	1	\$391,677
Interdisciplinary Center for the Study of Biocomplexity	1	\$356,594
Kellogg Institute for International Studies	1	\$109,926
ND Energy Center	1	\$75,000

**Awards and Proposal Summary****Centers and Institutes Report****06/01/2007 to 06/30/2007**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Nano Science and Technology Center	6	\$327,375
Nuclear Structure Laboratory	1	\$5,000
Walther Cancer Research Center	1	\$450,000
<b>Total:</b>	<b>27</b>	<b>\$7,423,701</b>

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2006 to 06/30/2007**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	4	\$372,500
Center for Applied Mathematics	1	\$299,998
Center for Aquatic Conservation	3	\$649,438
Center for Astrophysics	16	\$1,077,632
Center for Children and Families	9	\$2,895,854
Center for Flow Physics and Control	32	\$4,157,153
Center for Global Health and Infectious Diseases	18	\$15,674,491
Center for Microfluidics and Medical Diagnostics	3	\$1,245,360
Center for Philosophy of Religion	4	\$120,000
Center for Research Computing	1	\$118,321
Center for Social Concerns	5	\$70,650
Center for Transgene Research	4	\$2,767,043
Center for Zebrafish Research	5	\$712,441
Center for the Study of Religion and Society	7	\$1,579,202
Environmental Research Center	3	\$126,000
Freimann Life Science Center	3	\$23,951
Institute for Church Life	2	\$80,000
Institute for Educational Initiatives	2	\$79,900
Institute for Latino Studies	15	\$1,188,762
Institute for Theoretical Sciences	1	\$6,000
Interdisciplinary Center for the Study of Biocomplexity	3	\$818,466
Joint Institute for Nuclear Astrophysics	2	\$1,413,681
Kellogg Institute for International Studies	2	\$319,476
Keough Institute for Irish Studies	4	\$304,055
Kroc Institute for International Peace Studies	1	\$46,772
Medieval Institute	1	\$20,000
ND Energy Center	2	\$235,774
Nano Science and Technology Center	36	\$4,056,431
Nuclear Structure Laboratory	5	\$3,503,174
Radiation Laboratory	7	\$3,359,232
Rare Disease Research Center	1	\$249,480
Robinson Community Learning Center	9	\$134,066
Snite Museum of Art	1	\$5,000
South Bend Center for Medical Education	2	\$337,415

**Awards and Proposal Summary****Centers and Institutes Report****07/01/2006 to 06/30/2007**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
TRIO Programs	1	\$450,386
Walther Cancer Institute Chair I	1	\$279,648
Walther Cancer Research Center	7	\$967,236
<b>Total:</b>	<b>223</b>	<b>\$49,744,988</b>

**Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	4	\$1,481,192
Center for Applied Mathematics	3	\$1,893,933
Center for Aquatic Conservation	7	\$1,569,707
Center for Astrophysics	17	\$4,924,848
Center for Children and Families	6	\$3,974,788
Center for Complex Network Research	3	\$688,115
Center for Flow Physics and Control	28	\$27,622,944
Center for Global Health and Infectious Diseases	27	\$27,543,300
Center for Microfluidics and Medical Diagnostics	9	\$2,063,058
Center for Research Computing	2	\$747,591
Center for Social Concerns	3	\$19,139
Center for Transgene Research	8	\$3,916,071
Center for Zebrafish Research	14	\$3,971,377
Center for the Study of Religion and Society	11	\$2,299,001
Environmental Research Center	2	\$1,688,603
Freimann Life Science Center	4	\$614,437
Gigot Center	1	\$20,000
Institute for Church Life	3	\$135,000
Institute for Latino Studies	19	\$3,929,165
Interdisciplinary Center for the Study of Biocomplexity	4	\$1,059,471
John A. Kaneb Center for Teaching and Learning	1	\$20,000
Joint Institute for Nuclear Astrophysics	3	\$3,142,091
Kellogg Institute for International Studies	6	\$637,925
Keough Institute for Irish Studies	4	\$164,368
Kroc Institute for International Peace Studies	3	\$197,645
Medieval Institute	3	\$1,070,400
ND Energy Center	10	\$6,267,587
Nano Science and Technology Center	55	\$13,533,176
Nuclear Structure Laboratory	3	\$189,493
Radiation Laboratory	9	\$20,013,286
Rare Disease Research Center	2	\$374,220
Robinson Community Learning Center	12	\$498,800
Walther Cancer Institute Chair I	1	\$288,000

**Awards and Proposal Summary****Centers and Institutes Report****07/01/2006 to 06/30/2007**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Walther Cancer Research Center	14	\$3,769,282
<b>Total:</b>	<b>301</b>	<b>\$140,328,013</b>

### Awards received during the period Jun-01-2007 to Jun-30-2007

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Alliance for Catholic Education			
Staud, John J. (Center or Institute)	Brach Foundation ACE Proposal	Private Foundation	\$25,000	007101-001
<b>Department or Office:</b>	Center for Astrophysics			
Howk, Jay C. (Center or Institute)	Discovery of a Lyman Limit System @ $Z = 0.20258$ : The IGM/Galaxy Connection	National Aeronautics and Space Administration	\$41,200	007140-001
Lehner, Nicolas				
Bennett, David P. (Center or Institute)	Gravitational Microlensing Planet Search Observations and Analysis	National Aeronautics and Space Administration	\$55,000	007135-001
Kolda, Christopher F. (Center or Institute)	Probing the Physics of the Hierarchy Problem	National Science Foundation	\$35,000	006402-001
Rettig, Terrence W. (Center or Institute)	Structure of Exoplanetary Atmospheres	National Science Foundation	\$43,377	006598-001
<b>Department or Office:</b>	Center for Children and Families			
Borkowski, John G. (Center or Institute)	Preventing Child Maltreatment Through a Technology-Enhanced Parenting Intervention	University of Kansas	\$25,000	006983-001
Maxwell, Scott E.				
Lefever, Jennifer E.				
Cummings, E. M. (Center or Institute)	Child Regulation and Exposure to Marital Violence	Auburn University	\$30,246	006319-001
Cummings, E. M. (Center or Institute)	Children and Political Violence in Northern Ireland	National Institutes of Health	\$402,729	006518-001
Darby, John				
Maxwell, Scott E.				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J. (Center or Institute)	Airborne Aero-Optic Laboratory (AAOL)	Department of Navy	\$1,043,615	007148-001
Cavalieri, David				
Wang, Meng				
Morris, Scott C.	GEA-ND Casing Treatment Program	Corporate Funding	\$100,000	006893-001
Corke, Thomas C. (Center or Institute)				

**Awards received during the period Jun-01-2007 to Jun-30-2007**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Corke, Thomas C. (Center or Institute)	Modeling and Experiments of Plasma Actuators for Projectile Steering and Range Enhancement.	Corporate Funding	\$82,800	007141-001
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	\$100,024	006824-001
Jumper, Eric J. (Center or Institute)	Directed Energy Beam Improvement - Binary Control for Advanced Tactical Laser (DEBI-BATL)	Corporate Funding	\$90,000	006864-001
Cavalieri, David				
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Collins, Frank H. (Center or Institute)	Malaria Monitoring and Control Consortium	Private Foundation	\$5,036,375	007160-001
Collins, Frank H. (Center or Institute)	VectorBase: A Bioinformatics Resource Center for Invertebrate Vectors of Human Pathogens	National Institutes of Health	\$2,064,736	006299-001
Severson, David W. Romero-Severson, Jeanne (Center or Institute)	Molecular Genetics of Dengue Resistance in Health Mosquitoes	National Institutes of Health	\$632,313	006275-001
Streit, Thomas G.				
<b>Department or Office:</b>	Center for Philosophy of Religion			
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$40,000	007152-001
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$40,000	007150-001
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$20,000	007149-001
Flint, Thomas P. (Center or Institute)	Science, Philosophy and Belief	Calvin College	\$20,000	007151-001
<b>Department or Office:</b>	Center for Social Concerns			
Lies, William M. (Center or Institute)	Holy Cross Seminars	(Priests of) Holy Cross, Indiana Province, Inc.	\$2,500	006872-001



**Awards received during the period Jun-01-2007 to Jun-30-2007****Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Award #</b>
<b>Department or Office:</b> Center for Zebrafish Research				
Hyde, David R. (Center or Institute)	Development of Genetic Tools to Study Retinal Regeneration in Zebrafish	National Institutes of Health	\$32,063	006674-001
<b>Department or Office:</b> Center for the Study of Religion and Society				
Sikkink, David H. (Center or Institute)	Hudson Institute Project	Hudson Institute	\$20,000	007131-001
Smith, Christian (Center or Institute)	South Bend Area Youth and Religion: Toward an Applied Approach to Religion-Based Youth Work (SBAYR)	Religious Research Association	\$2,880	007121-001
Smith, Christian (Center or Institute)	Innovative Research on Gratitude and Generosity	Private Foundation	\$99,894	007105-001
Smith, Christian (Center or Institute)	The Religion Survey Data Expansion Project	Private Foundation	\$99,920	007104-001
<b>Department or Office:</b> Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	Latino Pastoral Leadership Initiative	Private Foundation	\$25,000	006416-001
<b>Department or Office:</b> Nano Science and Technology Center				
Niemier, Michael T. Bernstein, Gary H. Hu, Xiaobo (Center or Institute) Porod, Wolfgang	Applications, Architectures, and Circuit Design for Nano-scale Magnetic Logic Devices	National Science Foundation	\$100,000	006903-001
Merz, James L. (Center or Institute)	FRG: Tailoring the Properties of Dilute Nitride Semiconductor Heterostructures	University of Michigan	\$80,100	006887-001

### **Awards received during the period Jun-01-2007 to Jun-30-2007**

#### **Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Award #</b>
<b>Department or Office:</b> Radiation Laboratory				
Carmichael, Ian C. Madden, Keith P. Bentley, John J. Guldi, Dirk M. Pimblott, Simon M. Hug, Gordon L. Ferraudi, Guillermo J. LaVerne, Jay A. Chipman, Daniel M. (Center or Institute) Kamat, Prashant V. Meisel, Dan Tripathi, Gorakh Nath R. Bartels, David M.	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$2,355,002	006378-001
<b>Department or Office:</b> Rare Disease Research Center				
Helquist, Paul Wiest, Olaf G. (Center or Institute)	Development of Therapeutic Agents for Niemann-Pick Type C Disease	Private Foundation	\$249,480	007145-001
<b>Department or Office:</b> Robinson Community Learning Center				
Luckey, Velshonna N. (Center or Institute)	First Book Grant Program	First Book	\$2,000	007156-001
Tomas Morgan, Peter L. Caponigro, Jerome V. (Center or Institute)	Youth Justice Project	Indiana Criminal Justice Institute	\$45,000	006845-001
<b>Department or Office:</b> Walther Cancer Research Center				
Miller, Marvin J. (Center or Institute) Chang, Mayland	Chemistry-Biochemistry Interface Training Program at Notre Dame	National Institutes of Health	\$86,588	007124-001
<b><u>Awards for Instructional Programs</u></b>				
<b>Department or Office:</b> Center for Social Concerns				
Pettit, Rebecca T. (Center or Institute)	The National Youth Sports Program	The National Youth Sports Program Fund	\$4,000	007107-001

**Awards received during the period Jun-01-2007 to Jun-30-2007****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Keough Institute for Irish Studies				
O Conchubhair, Brian Fox, Christopher (Center or Institute)	Fulbright Foreign Language Teaching Assistant Orientation	Institute for International Education	\$53,432	007116-001
<b>Department or Office:</b> TRIO Programs				
Coates, Alyssia J. (Center or Institute)	Upward Bound Program	Department of Education	\$450,386	006288-001

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

**Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Proposal #</b>
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Aquatic Conservation			
Lodge, David M.	Impacts of Climate Change on	Environmental Protection Agency	\$600,000	07120830
Hellmann, Jessica J.	Human-medicated Dispersal of Species			
Lodge, David M.	Developing and Applying a real-time generic probe for detecting aquatic invasive specie in ships' ballast	Great Lakes Protection Fund	\$799,878	07120779
Chang, Hsueh-Chia				
Feder, Jeffrey L.				
<b>Department or Office:</b>	Center for Astrophysics			
Howk, Jay C.	Peering Through the LMC--Feedback in the Nearest Disk Galaxy	National Aeronautics and Space Administration	\$46,000	07120838
Lehner, Nicolas				
<b>Department or Office:</b>	Center for Children and Families			
Borkowski, John G.	Preventing Child Neglect in High Risk Mothers	National Institutes of Health	\$1,729,750	07120806
Maxwell, Scott E.				
<b>Department or Office:</b>	Center for Complex Network Research			
Barabasi, Albert-Laszlo	Integrated Antimicrobial Drug Discovery Scheme for Multidrug Resistant Bacteria	University of Pittsburgh	\$143,115	07120778
<b>Department or Office:</b>	Center for Flow Physics and Control			
Corke, Thomas C.	Modeling and Experiments of Plasma Actuators for Projectile Steering and Range Enhancement.	Corporate Research	\$82,800	07120793
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Ferdig, Michael T.	Genome Surveillance for Drug Resistant Malaria	Harvard University	\$120,018	07120783
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia	Rapid DEP Sorting Spectrum of the Enteric Microbiome for the Diagnosis of IBD	National Institutes of Health	\$231,589	07120804
Sengupta, Shramik				
<b>Department or Office:</b>	Center for Transgene Research			
Balsara, Rashna D.	Role of Tissue-Type Plasminogen Activator in Cell Proliferation and Cell Signalling	National Institutes of Health	\$225,000	07120803
Ploplis, Victoria A.	The Fibrinolytic System in Chronic Inflammation	National Institutes of Health	\$375,000	07120843

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007****Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Proposal #</b>
<b>Department or Office:</b>	Center for Zebrafish Research			
Hyde, David R.	Role of Pax6 in Photoreceptor Regeneration Using Conditional Knockdowns.	National Institutes of Health	\$225,000	07120805
<b>Department or Office:</b>	Center for the Study of Religion and Society			
Smith, Christian	South Bend Area Youth and Religion: Toward an Applied Approach to Religion-Based Youth Work (SBAYR)	Religious Research Association	\$2,880	07120787
Sikkink, David H.	Baylor University Project	Baylor University	\$25,000	07120826
<b>Department or Office:</b>	Interdisciplinary Center for the Study of Biocomplexity			
Goodson, Holly V.	Interactions Between CLIP-170 and Tubulin	National Institutes of Health	\$356,594	07120802
<b>Department or Office:</b>	Kellogg Institute for International Studies			
O'Donnell, Guillermo A.	Residential Fellowship at Oxford	University of Oxford	\$109,926	07120831
<b>Department or Office:</b>	ND Energy Center			
Brennecke, Joan F.	Liquids for Utilization of Waste Heat from Distributed Power Generation Systems	Department of Energy	\$75,000	07120817
<b>Department or Office:</b>	Nano Science and Technology Center			
Fay, Patrick J. Hall, Douglas C.	Power Efficient Low Noise Amplifiers for Wireless Communications.	Corporate Funding	75,003	07120801
Fay, Patrick J. Hall, Douglas C.	Power Efficient Low Noise Amplifiers for SATCOM	Corporate Funding	\$60,872	07120800
Hall, Douglas C.	Compact Semiconductor Ring Resonator Lasers	Corporate Fundings	\$67,500	07120798
Hall, Douglas C.	Applications of Nonselective Oxidation to High-Brightness Laser Diode Arrays	Corporate Funding	\$9,000	07120799
Xing, Huili	Ideal Channel Field-effect Transistors.	DARPA	\$95,000	07120782
Hall, Douglas C.	Reduction of Propagation Loss in Vertically Coupled Large Area (VECLA) Laser Waveguides Via Oxidation Smoothing.	Corporate Funding	\$20,000	07120781

**Proposals submitted during the period Jun-01-2007 to Jun-30-2007**

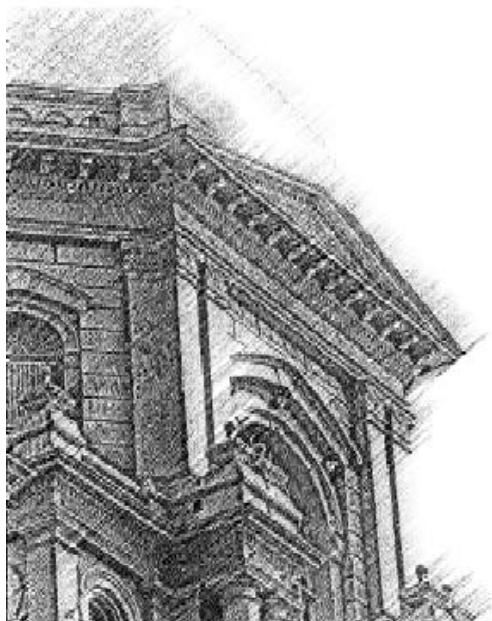
**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b> Nuclear Structure Laboratory				
Lamm, Larry O. Stech, Edward J.	PIXE Analysis of Copper Samples	Department of Army	\$5,000	07120788
<b>Department or Office:</b> Walther Cancer Research Center				
D'Souza-Schorey, Crislyn	Spatial Control of Matrix Proteolysis in Breast Cancer'	Department of Defense	\$450,000	07120791

**Proposals for Instructional Programs**

<b>Department or Office:</b> Alliance for Catholic Education				
Johnstone, Joyce V.	National Math and Science Initiative	National Math and Science Initiative	\$1,097,599	07120815
<b>Department or Office:</b> Center for Social Concerns				
Shappell, Andrea S.	Summer Service Learning Program	Corporate Funding	\$4,500	07120775
<b>Department or Office:</b> Institute for Latino Studies				
Cardenas, Gilberto	The Midwest Latino Arts Documentary Heritage Project	National Endowment for the Humanities	\$391,677	07120835

# Notre Dame Report



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