

Notre Dame Report

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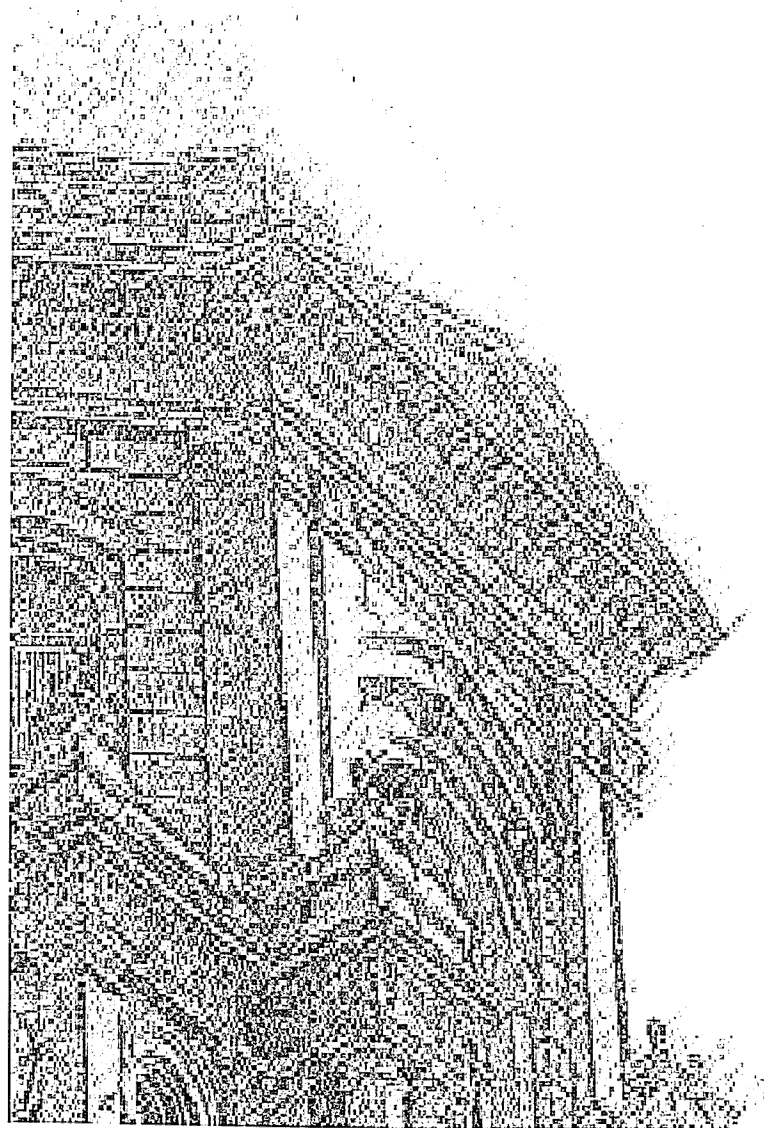
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Faculty Notes

Honors

J. Douglas Archer, librarian, was reappointed to a fourth one-year term as editor of the *IFRT Report*, published by the American Library Association's Intellectual Freedom Round Table.

Robert D. Bretz Jr., the Giovanini Professor of Management and chair of Management, was elected a fellow in the American Psychological Society.

William K. Kelley, associate professor of law, was appointed deputy general counsel to President Bush.

Maureen Barry McCann Boulton, professor of French and fellow of the Medieval Institute, was elected vice president of the International Courtly Literature Society, North American Branch, at the annual general meeting of the branch in Kalamazoo, May 5.

Anthony N. Michel, the Freimann Professor of Engineering Emeritus and McCloskey Dean of Engineering Emeritus, received the "Distinguished Alumnus Award" from the College of Engineering, Marquette Univ., Milwaukee.

Guillermo O'Donnell, the Kellogg Professor of Government, was awarded an honorary doctorate by the Free University of Berlin on June 22.

Catherine Perry, associate professor of French and Francophone studies, was elected editor-in-chief for the Conseil International d'Études Francophones's refereed journal *Nouvelles Études Francophones* for a three-year renewable term.

Hon. Kenneth F. Ripple, professor of law, was appointed to the visiting committee of the School of Divinity and the visiting committee of the School of Law at the Univ. of Chicago.

Thomas Gordon Smith, professor of architecture, was awarded the "Excellence in Construction Award" by the Association of Builders and Contractors of Oklahoma for Our Lady of Clear Creek Benedictine Monastery, Phase I.

John P. Welle, professor of Romance languages and literatures and concurrent professor of film, television, and theatre, was named to the editorial board of *PSA*, the journal of the Pirandello Society of America.

Activities

Ani Aprahamian, professor of physics, presented "Low Energy O+ Excitations in ^{158}Gd ," an invited talk, with J.G. Hirsh, et al., at the "XXVII Symposium on Nuclear Physics," Cocoyoc, Mexico, Jan. 4-7.

J. Douglas Archer, librarian, presented "Religion and Intellectual Freedom: Divine Revelation in the Marketplace of Ideas" on a panel sponsored by the Intellectual Freedom Round Table, on June 25; and moderated "Deciding What's Right: Academic Library Ethics Day-to-Day," the program of the Association of College and Research Libraries's Committee on Ethics, on June 26 during the American Library Association's 2005 annual meeting in Chicago.

Amy Coney Barrett, assistant professor of law, presented "The Supervisory Power of the Supreme Court" at the Univ. of Illinois Law School in April.

Harvey A. Bender, professor of biological sciences, presented "Expanding Gateways for Undergraduate Learning in Science: BIOS 101 Plus a Learning Community" as an invited speaker at "Lumina Foundation for Education" on April 8.

Jeffrey Bergstrand, professor of finance, was an invited visiting scholar and presented "Bonus Vetus OLS: A Simple OLS Approach for Addressing the 'Border Puzzle,'" written with S. Baier, at the "Munich Ifo Institute for Economic Research" (CESifo), Univ. of Munich, May 23-31.

John G. Borkowski, the McKenna Family Professor of Psychology, presented a Hesburgh Lecture titled "Meeting the Challenges of Parenting in the New Millennium" in Indianapolis, on Feb. 2; presented "Understanding and Preventing Child Neglect" to the Centers for Disease Control in Atlanta, on Feb. 22; and organized a

symposium, based on data from the Notre Dame Adolescent Parenting Project, on "Childhood and Adolescent Violence and Psychopathology: Lessons from the Notre Dame Adolescent Parenting Project" for the "Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities," March 17-19, Annapolis, where he presented (with L. Smith and T. Whitman) "Reading Practices of At-Risk Mothers: Antecedents and Consequences," "Measuring Changes in Maternal Behaviors Following PALS [Playing And Learning Strategies] Intervention" (with C.E. Akai and the Centers for the Prevention of Child Neglect), and "Predicting Teen Substance Use during Pregnancy: The Father's Role" (with R. Skelton, K. Howard, and the Centers for the Prevention of Child Neglect). He presented nine papers at the meetings of the Society for Research in Child Development, April 7-10 in Atlanta: "Maltreatment, Self-Regulation, and Developmental Delays in At-Risk Children" (with J.N. Schatz, D. Keogh, L. Smith, and T.L. Whitman); "Violence Breeds Violence: Childhood Exposure to Violence and Adolescent Conduct Problems" (with C.M. Weaver and T.L. Whitman); "ADHD and Disruptive Behavior Disorders in At-Risk Children: A Prospective Longitudinal Analysis" (with J.R. Farris, D. Villines, and T. L. Whitman); "The Effects of Early Maternal Adjustment on Quality of Infant Home Environment" (with S.S. Carothers and C.M. Weaver); "Breastfeeding, Infant Sleep Position, and Nighttime Parenting Behavior among First-Time Mothers: Implications for Child Development" (with L. Volpe, J. Burke Lefever, J. McKenna, W. Wetherall, and the Centers for the Prevention of Child Neglect); "Support From Mothers, Fathers, Best-friends, and Faith: Combined and Differential Influences on Prenatal Maternal Well-Being" (with S.S. Carothers, J. Burke Lefever, K.J. White, and T. Gilbert); "The Impact of Father Presence on Maternal Parenting Practices and the Quality of Home Environments" (with K.S. Howard); "School Outcomes and Self-Regulation in At-Risk Children" (with C. Willard Noria, L. Smith, and T.L. Whitman); and "Adolescent Mothers' Interactions with Their Children from Infancy through Age Five: Continuity, Antecedents, and Consequences" (with K. Weed, D. Keogh, and T.L. Whitman). He also presented "Child Neglect and Abuse: The Role of the Family Physician" to Memorial Hospital's Family

Residency Program on April 25; presented a Hesburgh Lecture titled "Reforming Education: New Roles for Parents and Teachers" in Rockford, Ill., April 27; and led discussions with the members of the Golden Apple Foundations of Rockford on the topics of "Forming Parent Unions" and with the principals of the Rockford Community School System on "Teachers as Researchers: The Role of the School Leaders."

D'Arcy Jonathan Dacre Boulton, professional specialist and fellow of the Medieval Institute and concurrent associate professor of history, presented the invited paper "Chivalric Bodies after the Collapse of Classic Knighthood: Imaginary Orders, 'Revived' Orders, and Bogus Orders of Knighthood" at the session on the "Modern Uses of Chivalry" at the "40th International Congress on Medieval Studies," Western Michigan Univ., Kalamazoo, in May.

Carol A. Brach, associate librarian, presented "E-Journal Survey; First Draft. A study of the Impact of e-Journal Access on the Information-Seeking Behavior of Notre Dame Faculty and Graduate Students," written with **Carole R. Pilkinton**, associate librarian, and S.L. Jones, as a poster session at the "2005 American Society of Engineering Education Annual Conference and Exposition," Portland, Ore., June 13.

Seth N. Brown, associate professor of chemistry and biochemistry, presented the invited seminar "Alkene Insertion Reactions of Metal Nitrides and Carbynes" with M. Papadakis at the Univ. of Michigan, Ann Arbor, May 12.

Patricia Clark, the Luce Assistant Professor of Chemistry and Biochemistry, presented the invited talk "Influence of Translation on Protein Folding" at the "Proteins Gordon Research Conference" in Holderness, N.H., June 15–24.

Philippe Collon, assistant professor of physics, presented "Accelerator Mass Spectrometry for Nuclear Astrophysics at Notre Dame" at the VISTARS 95 Winter School in Russbach, Austria, March 11; and "Accelerator Mass Spectrometry: A Powerful Tool in Nuclear Physics," an invited seminar, at the Wright Nuclear Structure Laboratory, Yale Univ., New Haven, April 13.

Norman Crowe, professor of architecture, served as visiting critic for graduate thesis

reviews at the Univ. of Illinois, Urbana-Champaign, April 14 and 15.

Rita J. Donley, associate director, University Counseling Center, presented "Creating a Balance between Clinical Services and Training Programs at College Counseling Centers" at the Association for the Coordination of Counseling Center Clinical Services annual meeting in Scottsdale, Ariz., May 20.

Julia Douthwaite, assistant provost for International Studies and professor of French, presented "*La République n'a pas besoin de savants? Regards romanesques sur le rôle des sciences et des techniques sous la Révolution*" at a conference on "*Littérature et engagement sous la Révolution française*" at the Univ. de Rennes 2, France, June 14.

William G. Dwyer, the Hank Professor of Mathematics, presented the invited talk "Derived Localization of Noncommutative Rings" to the Mathematics Dept. at Stanford Univ., Palo Alto, May 24.

Morton Eskildsen, assistant professor of physics, presented "Two Superconductors in One Package: The Story of Magnesium Diboride," a seminar, at Northwestern Univ., Evanston, May 20; at the Danish Technical Univ., Lyngby, Dec. 20; and again at Brookhaven National Laboratory, Upton, N.Y., March 10. He presented "Vortex Lattice Anisotropy in Magnesium Diboride," an invited presentation, at "CTC-NES/PLASMA 2004: Joint Meeting of the International Symposium on JSPS Core-to-Core Integrated Action Initiative Nanoscience and Engineering in Superconductivity and The Fourth International Symposium on Intrinsic Josephson Effect and Plasma Oscillations in High-Tc Superconductors," Tsukuba, Japan, Nov. 27; and again at the "International Vortex State Studies Workshop," Bombay, Jan. 11.

Guillermo J. Ferraudi, professional specialist in the Radiation Laboratory, presented "Thermal and Photochemical Reactions of Polymers Decorated with Transition Metal Complexes" at the "2005 Workshop in Inorganic Chemistry," Landsdowne, Va., June 7–10.

Umesh Garg, professor of physics, presented "Squeezing the Nucleus to Get Nuclear Incompressibility" at the "TRIUMF Seminar," Vancouver, BC, May 12; and "Triaxial Superdeformed Bands in ^{163}Tm ," at the

"RIKEN RIBF International Workshop on Collective Motions in Unstable Nuclei—Experiments vs. Theories," Saitama, Japan, May 24–26.

Nicole Stelle Garnett, associate professor of law, was a visiting scholar at the Hoover Institution, Stanford Univ., May 9–13; was an invited discussant at "The Supreme Court—Agent of Free and Responsible Government? Fifty Years of Criticism from the Right and Left," Liberty Fund Colloquium, Houston, April 28 through May 2; and presented "Relocating Disorder" at the Univ. of Alabama School of Law, Faculty Workshop Series, April 18.

Richard W. Garnett, associate professor of law, was a visiting scholar at the Hoover Institution, Stanford Univ., May 9–13, and helped prepare lawyers for the State of Florida for oral arguments in that state's Supreme Court case concerning the Opportunity Scholarship Program; presented "The Religion Clause(s) and Religious Freedom: An Overview," to the Blackstone Fellowship, in Phoenix, June 14; presented "Changing Minds: Evangelism, Proselytism, and Religious Freedom" at "The Foundations of Freedom" conference at the Univ. of Portland; and was interviewed and quoted recently in dozens of newspaper, radio, and television segments dealing with the judicial nominations issue and the possible retirement of Chief Justice William H. Rehnquist.

Teresa Ghilarducci, associate professor of economics, director of the Higgins Labor Research Center, and Nanovic, Kroc, and Kellogg Institutes fellow, testified before the US House of Representatives Committee on Education and the Workforce, June 15, regarding a proposed bill on pension reform (HR 2830, the "Pension Protection Act").

Douglas C. Hall, associate professor of electrical engineering, was an invited guest organizer for the "47th Electronic Materials Conference" at the Univ. of California at Santa Barbara, June 22–24, where he presented "Elimination of ErAs Luminescence-Quenching Complexes from Er-Doped AlGaAs Native Oxides" with M. Huang.

Ronald Hellenenthal, professor and assistant chair of the Dept. of Biological Sciences, presented "Aquatic Insects and the Decline, Death and Resurrection of an Urban

Stream" as an invited speaker at the Univ. of Minnesota Dept. of Entomology Hodson Graduate Alumni Award and presented the Hodson Alumni Award Lecture on May 3–8.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, presented "Rediscovering Bimolecular Homolytic Substitution Reactions with Time-Resolved Electron Spin Resonance: H-atom Reactions with α -(Alkylthio)carbonyl compounds," written with P. Wisniowski, K. Bobrowski, P. Filipiak, and **Ian Carmichael**, professor of chemistry and biochemistry and director of the Radiation Laboratory, at the "Second European Young Investigators Conference," Gniezno, Poland, June 7–12.

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, presented "Photoinduced Charge Separation in Ag@TiO₂ Core-Shell Nanostructures" (coauthor: T. Hirakawa); "Electrophoretic Deposition of SWCNT Films and Photoelectrochemical Effects" (coauthors: S. Barazzouk, S. Hotchensani, and K. Vinodgopal); "TiO₂Pt-Ru/C Hybrid Catalyst for Methanol Oxidation" (coauthors: K. Drew and G. Kumar); "Photovoltaic Cells Composed of Supramolecular Clusters Based on Porphyrin-Peptide Oligomers and Fullerenes" (coauthors: T. Hasobe, et al.); "Electrophoretically Deposited Single Wall Carbon Nanotubes Electrodes for Fuel Cell Applications" (coauthors: K. Cinodgopal, G. Girist Kumar, and M. Rettker) at the "207th Meeting of the Electrochemical Society," Quebec City, Canada, May 15–20; and "Photochemical Activity of Indo Dye in Homogeneous and Heterogeneous Media at a seminar on "Recent Developments in Photochemical Solar Cells," Konanka Technologies, Lowell, Mass., June 9–10.

Donald P. Kommers, the Robbie Professor of Political Science and concurrent professor of law, presented the invited lecture "The Federal Constitutional Court and the Development of German Democracy" at a conference on "Legal Evolution toward a World Rule of Law" at Syracuse Univ. College of Law, April 15; a colloquium titled "Constitutional Interpretation in Germany" at Northwestern Univ. School of Law on April 19, Chicago; two Hesburgh Lectures on "Religion and the Constitution" before

Notre Dame Alumni Clubs in Rapid City, SD, on March 29, and Wilmington, Del., on April 14.

Charles Kulpa, chair of the Dept. of Biological Sciences, presented the seminar "Assessing the 'Green' Nature of New Chemicals: Microbial Toxicity and Antimicrobial Activity of Ionic Liquids, Possible Replacements for Volatile Solvents" at the Albany Medical College, April 17–22.

Patrick F. Leary, DO, University physician, presented the "Exchange Lecture" to the National Association of Athletic Trainers, June 16, in Indianapolis.

Xiaobo Liu, associate professor of mathematics, presented the invited talk "From Gromov-Witten Invariants to Moduli Space of Curves" in the "Symplectic Geometry and Physics" reunion conference sponsored by the Institute for Pure and Applied Mathematics, May 23.

John M. LoSecco, professor of physics, presented "Correlated Neutron Background," a MAND-sim workshop, at Kansas State Univ., Manhattan, June 15.

Edward J. Maginn, associate professor of chemical and biomolecular engineering, presented the invited talks "In Search of Environmentally Benign Solvents: Are Ionic Liquids the Right Solution?" to the Dept. of Chemical Engineering colloquium, Colorado School of Mines, Golden, Colo., April 22; "Molecular Simulation of Ionic Liquids" to the Air Force Office of Scientific Research Contractor's Meeting in Molecular Dynamics, Monterrey, Calif., May 23; and "Thermodynamic and Transport Properties of Ionic Liquids: Experiments and Atomistic Simulations" at the Friedrich-Alexander Univ., Erlangen-Nurnberg, June 24.

Scott Mainwaring, the Conley Professor of Political Science, presented lectures at the Univ. de Salamanca, Spain, May 24; the FIAPP and Casa de América, Madrid, May 25; and the Pompeu Fabra Univ., Barcelona, May 27. He was interviewed on TV Española, May 25, regarding democracy in Latin America.

Maureen Barry McCann Boulton, professor of French and fellow of the Medieval Institute, presented "Pious Fictions at Court: Private and Public Readings of the Life of Christ" to the Centre for Medieval

Studies, Univ. of Toronto, Feb 28; "*Erec, Enide et la Joie de la Cort*," to the Dépt. d'Etudes Françaises, Univ. of Toronto; "The One and the Many: Editions of Medieval French Lives of Christ," at the "Fortieth International Congress on Medieval Studies," Univ. of Western Michigan, Kalamazoo, May 5–8; and "Devotional Literature by and for Women in the Fifteenth Century," at the Colloque Margot, Univ. of Waterloo, Canada, May 12–14.

Ralph McInerny, the Grace Professor of Medieval Studies, director of the Maritain Center, and professor of philosophy, presented "The Right to Life" at the "Right to Life Banquet," Minneapolis, May 18; and "Freedom is Not Enough: Catholics in America," Univ. of Portland, June 1.

Juan Migliore, professor of mathematics, taught "Experiments in Commutative Algebra and Algebraic Geometry" at the "Fourth Computations in Commutative Algebra International School on Computer Algebra," Sardinia, Italy, May 23–26; the invited talk "The Multiplicity Conjecture in Low Codimensions" in the special session on Hilbert functions and syzygies, at the "Second Joint Meeting of the American Mathematical Society, the Deutsche Mathematiker-Vereinigung and the Oesterreichische Mathematische Gesellschaft," held in Mainz, Germany, June 19; and the invited talk "Tetrahedral Curves and Their Geometric Properties" at the "Conference on Geometry of Algebraic Varieties," Ferrara, Italy on June 22.

Marvin J. Miller, professor and chair of chemistry and biochemistry, presented "Design, Syntheses and Studies of Mycobacterial Siderophores with Selective Anti-TB Activity" at the "Seventh International Symposium on Microbial Transport Storage and Metabolism" in Paris, May 31 through June 6.

Karen Morris, assistant professional specialist in chemistry and biochemistry, presented the invited talk "Notre Dame's Expanding Your Horizons in Science and Mathematics Career Conference: Eight Years and Counting" in Seattle, June 9–10.

Darcia Narvaez, associate professor of psychology and director, Center for Ethical Education, presented "Moral Virtue and Practical Wisdom" with T. Gleason and C. Mitchell for the Society for Research in

Child Development, Atlanta, in April. She also presented "Moral Virtue and Practical Wisdom: Comprehension in Children, Youth and Adults" with T. Gleason and C. Mitchell; "Higher Scores in Moral Judgment are Related to More Concern for Others" with A. Matthews; "Student Perceptions of Climate Influence Character and Motivation" with G. Mullen, and J. Turner; and "How Cultural Tolerance or Intolerance Influences Personal Relationships" with A. Gomberg and T. Bock, for the American Educational Research Association, Montreal, in April.

Rudolph M. Navari, associate dean, College of Science, and director of the Notre Dame Cancer Institute, presented "Coping with Nausea" at the "National CURE Patient and Survivor Forum," Washington, DC, July 9.

Rev. Ronald Nuzzi, director, ACE Leadership Program, presented "Alternative Funding and Governance Strategies: Catholic Schools for the New Millennium" via videoconference to the Diocese of Norwich, Conn., June 2.

Guillermo O'Donnell, the Kellogg Professor of Government, delivered the Distinguished Lecture featured at the Instituto de Investigaciones Sociales of the Univ. Nacional Autonoma de Mexico, in the celebration of the 75th anniversary of the creation of said Instituto, May 26.

Joseph O'Tousa, professor of biological sciences, presented four posters at the annual "Drosophila Research Conference" in San Diego, March 30 through April 4: "Characterization of the *Drosophila* ninaB and ninaD Genes Involved in Rhodopsin Chromophore Biosynthesis," written with J. Yang; "A Genetic Screen to Identify Rhodopsin Maturation and Trafficking Mutants," written with K.L. Hibbard; "Heterologous Expression of Bovine Opsin in *Drosophila melanogaster* Photoreceptor Cells," written with S. Tariq Ahmad and K.A. Mitchell; and "ninaG Acts in the Rhodopsin Chromophore Biosynthesis in *D. melanogaster*," written with S. Tariq Ahmad, S. Sarfare, B. Boggess, and M.V. Joyce.

Samuel Paolucci, professor of aerospace and mechanical engineering, presented "A Dynamically Adaptive Wavelet Method Applied to Incompressible Flows" at the "Third MIT Conference on Computational

Fluid and Solid Mechanics," Massachusetts Institute of Technology, Cambridge, June 14–17.

Catherine Perry, associate professor of French and Francophone studies, prepared the program for and presided over the 19th annual conference of the CIEF (Conseil International d'Études Francophones), in Ottawa-Gatineau, June 17 through July 3.

Joan M. Phillips, assistant professor of marketing, presented "The Impact of Political Advertising on Young Voters in the 2004 US Presidential Election" with Joel E. Urbany, professor of marketing, and T.J. Reynolds at the American Marketing Association's "Marketing and Public Policy Conference," Washington DC, May 21.

Simon M. Pimblott, professional specialist in the Radiation Laboratory, presented "Stochastic Methodology for Predicting Radiation Effects" to the Dept. of Chemistry, Univ. of Manchester, England, June 8–9.

Morris Pollard, emeritus professor of biological sciences, presented "Prevention of Hormone Refractory Prostate Cancer" as an invited speaker at Indiana Univ. Medical School, April 12–14; "Hormone Refractory Cancer in LW Rats" (written with Mark A. Suckow, director and research associate professor of the Freimann Life Science Center) at the national meeting of the American Society for Investigative Pathology, San Diego, April 3; and "Prevention of Prostate Cancer" at the national meeting of the Federation of Biological Sciences, April 2–5.

Joseph M. Powers, associate professor of aerospace and mechanical engineering, was appointed a visiting scientist with the Chemistry Division of the Argonne National Laboratory, for one month, effective June 6.

Adrian J. Reimers, adjunct assistant professor of philosophy, presented "Enslavement Problems" to the "University Faculty for Life 15th Annual Conference," Ann Arbor, June 3–5.

Karen Richman, assistant professor of anthropology and Kellogg Institute fellow, presented "Migration and Religious Change in a Haitian Transnational Community" to the panel on Migration and Popular Culture, Center for Latin American and Caribbean Studies and Dept. of History,

Michigan State Univ., May 4; and was a discussant on "From Filial Piety to Religious Piety by Carolyn Chen" at the meeting of the Chicago Area Group for the Study of Religious Communities, Loyola Univ, May 28.

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, lectured on "Hegel, Schiller, und die Tragödie" on June 6, and on "The Lover, the Guardian, and the Artist: Ambiguities in Hitchcock's *Shadow of a Doubt*" on June 8, both at the Univ. Innsbruck.

Jeffrey Schorey, associate professor of biological sciences, was an invited chair at a scientific symposium titled "Mycobacterial Lipids and Immune Evasion" at the American Society for Microbiology meeting in Atlanta, June 10, where he presented "Glycopeptidolipids in *M. avium* Pathogenesis."

David Severson, professor of biological sciences, presented "Mosquito Genomics, Genetics, and Vector Biology" as an invited speaker at the British Society of Parasitology meeting in Nottingham, England, April 4–8; and "Mosquito Genomics" at the Liverpool School of Tropical Medicine and Hygiene, April 6.

Slavi C. Sevov, professor of chemistry and biochemistry, presented an invited NSF workshop in inorganic chemistry titled "Main-Group Deltahedral Clusters" in Washington, DC, June 7–10; and presented "Heavy-Metal Aromatic and Conjugated Species" at the "Intermetallic Compounds Workshop," Stockholm, Sept. 1–6, 2004.

Neil Shay, associate professor of biological sciences, presented "The Future for Foods and Nutrition Research" as an invited seminar speaker at Virginia Polytechnic Institute, March 30–31; presented the poster "Molecular Actions of Botanicals and Dietary Supplements" at a meeting of the American Society of Nutritional Sciences, April 1–6; and presented "Obesity Management Forum, Role of Soy Foods" at the Univ. of Illinois, May 25–26.

Philip Sloan, adjunct instructor in the First-Year Composition Program, presented "The NEH-ACTC Seminars" at the annual meeting of the American Association of Colleges and Universities, San Francisco, Jan. 28; the presidential address "Developing a Paideia for a World Culture" for the

Association for Core Texts and Courses, Vancouver, BC, April 9; "What is Life? Schrödinger's Question Revisited," the Friday evening lecture, St. John's College, Annapolis, April 22, and again at Middlebury College, Vt., April 26; and "Why Should We Maintain the Centrality of Liberal Education," James Madison Univ. Liberal Education Institute, May. 20. He acted as the NEH seminar workshop leader for "Bridging the Gap between the Sciences and Humanities," St. Mary's College, Moraga Calif., June 4–18; and was chair for Section L of the American Association for the Advancement of Science and co-organizer of the session "Gould's NOMA Reconsidered" at the annual meeting of the AAAS.

Thomas Gordon Smith, professor of architecture, presented a tour titled "Federal and Grecian Architecture in NoHo, the 15th Ward" in New York City for the Institute of Classical Architecture/Classical America on April 23; presented "Architecture and Lively Mental Energy" at the Baylor Univ. "Art and Soul Conference," Waco, Tex., April 8; and presented "Vitruvius and the Museum of Architecture" at Purdue Univ., April 2.

Yang Sun, visiting associate professor of physics, presented "Nuclear Isomeric States" in a joint seminar of the Univ. of Tennessee and Oak Ridge National Lab, Knoxville, May 6.

Julia Adeney Thomas, associate professor of history, presented "What Photographs Show about Democracy in Occupied Japan" at Princeton Univ., April 26.

Christopher J. Waller, the Schaefer Professor of Economics and Econometrics, presented "Bargaining in Monetary Economies" to the Society for Economic Dynamics conference in Budapest, June 24; and "Money and Risk Sharing" at the Society for the Advancement of Economic Theory conference in Vigo, Spain, June 27.

Michael Wiescher, the Freimann Professor of Physics, served on the international advisory committee for the "XXVIII Symposium on Nuclear Physics" Cocoyoc, Morelos, Mexico, Jan. 4–7; the international advisory committee for the "International Conference on the Interface between Nuclear Structure, Astrophysics and Reactions," Univ. of Surrey, Guildford, UK, Jan. 5–8; the organizing committee for "JINA r-Process Discussions," Univ. of

Notre Dame, Jan. 28–29; the organizing committee for "Cosmology: Physics and Philosophical Perspectives," Notre Dame, April 20; the organizing committee for "The Workshop on Classical Novae and Type 1a Supernovae," Santa Barbara, Calif., May 20–21; the organizing committee for "The Physics of the s-Process," Centre for Physics, Aspen, Colo., May 29 through June 12; and organized "The School on Tools and Toys in Nuclear Astrophysics," Notre Dame, June 20 through July 1. He presented a seminar titled "Nuclear Astrophysics at Notre Dame" at the Institute für Kernchemie, Univ. Mainz, Germany, and again at Michigan State Univ., in March.

Eduardo E. Wolf, professor of chemical engineering, presented the following papers and poster at the "19th North American Meeting of the Catalysis Society," Philadelphia, May 22–27: "Selective Combinatorial Studies of Studies of Methanol Oxidative Decomposition for Hydrogen Generation in Multi-Component Catalysts," written with S. Schuyten; "Operando IR Spectroscopy, In-situ EXAFS, and Activity Studies of the Effect of S on Pt Supported Catalysts during CO Oxidation," written with F. Gracia, J. Miller, and J. Kropf; and the poster "Operando IR Spectroscopy Studies of a highly Active Pt-Sulfated Zirconia Catalysts for n-pentane Isomerization," written with S. Vijay.

Carolyn Y. Woo, the Gillen Dean and Siegfried Chair in Entrepreneurial Studies, presented "When God Calls" at the Dr. Ken Hamilton Luncheon Forum, Canton, Ohio, June 2.

Samir Younés, associate professor of architecture and director of Rome Studies, presented "I centri storici. Sviluppo, crescita, e carattere architettonico" at the "Convegno di Sviluppo Urbano" held at Città della Pieve, Italy, on June 14; and was interviewed in "Roman Renovation: Can Richard Meier undo what Augustus and Mussolini Wrought?" by John Seabrook, in *The New Yorker*, May 2.

Publications

Ani Aprahamian, professor of physics, published "Half-Life of the Doubly Magic r-Process Nucleus ^{78}Ni " with P.T. Hosmer, H. Schatz, **Andreas Wöhr**, research as-

sistant professor of physics, et al., *Physical Review Letters* 94 (2005): 112501 (4 pp.).

J. Douglas Archer, librarian, published "Serving the Religious Information Needs of Our Communities without Blowing the Budget," *Indiana Libraries* 24, No. 1 (2005): 42–46.

David M. Bartels, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, published "Pulse Radiolysis of Supercritical Water. 3. Spectrum and Thermodynamics of the Hydrated Electron" with K. Takahashi, J.A. Cline, T.W. Marin, and C.D. Jonah, *Journal of Physical Chemistry A* 109, No. 7 (2005): 1299–1307.

Manju Basu, emeritus professor of chemistry and biochemistry, published "Apoptosis of Human Breast Carcinoma Cells in the Presence of Disialosyl Gangliosides: II. Treatment of SKB R3 Cells with GD3 and GD1b Gangliosides" with **Holly Goodson**, assistant professor of chemistry and biochemistry, and **Subhash Basu**, professor of chemistry and biochemistry, *Glycoconjugate Journal* 20 (2004): 319–30.

Subhash Basu, professor of chemistry and biochemistry, published "Apoptosis of Human Carcinoma Cells in the Presence of with Isomers of PDMP and PPMP" with **Manju Basu**, emeritus professor of chemistry and biochemistry, et al., *Glycoconjugate Journal* 20 (2004): 157–68.

D'Arcy Jonathan Dacre Boulton, professional specialist and fellow of the Medieval Institute and concurrent associate professor of history, published "Henry VII and Henry VIII," *Princes and Princely Culture 1450–1650*, Vol. II, ed. M. Gosman, et al. (Instituut voor Cultuurwetenschappelijk Onderzoek Groningen. Brill Academic Publishers, Leiden, The Netherlands, 2005): 129–90; and a review of R.S. Oggins, *The Kings and Their Hawks: Falconry in Medieval England*, *Encomia: Bibliographical Bulletin of the International Courtly Literature Society*.

Bruce A. Bunker, professor of physics, published "Local Structure around Chromium Ions in Aqueous Acetate Solutions" with M. Boyanov, et al., *Advanced Photon Source Annual Report*, 2004; and "Bimetallic Pt-Ag and Pd-Ag Nanoparticles" with D. Lahiri, et al., *Journal of Applied Physics* 97 (2005): 094304 (8 pp.).

Patricia Clark, the Luce Assistant Professor of Chemistry and Biochemistry, published "Monoclonal Antibody Epitope Mapping Describes Tailspike—Helix Folding and Aggregation Intermediates" with M. Jain, M.S. Evans, and J. King, *The Journal of Biological Chemistry* 280 (2005): 23–32-23040.

Philippe Collon, assistant professor of physics, published "The Stellar (n,) Cross Section of ^{62}Ni " with H. Nassar, et al., *Physical Review Letters* 94 (2005): 0982504 (4 pp.).

Bernard Doering, professor emeritus of Romance languages and literatures published a review of *Jacques Maritain: An Intellectual Profile* by J.P. Dougherty, and "Informations: Jacques Maritain in North America" in *Notes et Documents*, No. 69/70 (May–December 2004): 73–76 and 87, respectively; and "The Theocons and Maritain in America" *ibid.*, No. 1 (January–April): 61–71.

Rev. Michael S. Driscoll, associate professor of theology, published "Adoration," "Baptism," "Enthusiasm," "Religious Festivals," "Interiority," and "Penitence," in *The New SCM Press Dictionary of Christian Spirituality*, P. Sheldrake, ed. (London: SCM Press, 2005).

Jeffery L. Feder, associate professor of biological sciences, published "Mayr, Dobzhensky and Bush and the Complexities of Sympatric Speciation in *Rhagoletis*" with X. Xei, J. Rull, S. Velez, A. Forbes, B. Leung, H. Dambroski, K. Filchak, and M. Aleyei, *Proceedings of the National Academy of Sciences* 102 (April 25): 6573–80.

Thomas P. Fehlner, the Grace-Rupley Professor of Chemistry and Biochemistry, published "Insertion of B-X ($\text{X}=\text{Cl}$, SMe_2) Moieties into Ruthenaborane Frameworks: Synthesis and Characterization of $(\eta^5\text{-C}_5\text{Me}_5\text{Ru})_2(\mu\text{-H})\text{B}_4\text{H}_m\text{Cl}_n$, ($m, n=4, 3; 5, 2; 7, 2$) *closo*-1-(SMe_2)=2,3-)($\eta^5\text{-C}_5\text{Me}_5\text{Ru})_2(\mu\text{-H})\text{B}_5\text{HCl}_3$ and *close*=2,3-)($\eta^5\text{-C}_5\text{Me}_5\text{Ru})_2\text{B}_5\text{H}_3\text{Cl}_3$ " with S. Ghosh, **Alicia M. Beatty**, research associate professor of chemistry and biochemistry, and **Bruce C. Noll**, research associate professor of chemistry and biochemistry, *Organometallics* 24 (2005): 2473–80.

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Agustin Fuentes, associate professor of anthropology, published "Reassessing Male Aggression and Dominance: The Evidence from Primatology" with K. MacKinnon in S. McKinnon and S. Silverman, eds. *Complexities: Beyond Nature and Nurture* (Univ. of Chicago Press, 2005): 83–105; and "Disproportionate Participation by Ages/Sex Class in Aggressive Interactions between Long-Tailed Macaques (*Macaca fascicularis*) and Human Tourists at Padangtegal Monkey Forest, Bali, Indonesia" with S. Gamerl, *American Journal of Primatology* 66 (2005): 197–204.

Umesh Garg, professor of physics, published "Study of the Cluster State at $E_x=10.3$ MeV in ^{12}C " with M. Itoh, et al., *Nuclear Physics A* 738 (2004): 268–72.

Richard W. Garnett, associate professor of law, published "How High a Wall?" regarding the Supreme Court's pending religion clause cases, in *Commonweal* (May 20).

John F. Gaski, associate professor of marketing, published "Real Traitors in a Global Economy are Those Who'd Fetter U.S. Firms," *Investor's Business Daily* (May 23): A19.

Meredith Gill, assistant professor of art history, published *Augustine in the Italian Renaissance: Art and Philosophy from Pretrarch to Michelangelo*.

Alyssa Gillespie, the Notre Dame Associate Professor of Russian Language and Literature and Nanovic Institute fellow, published a review of M. Wachtel *The Cambridge Introduction to Russian Poetry* (Cambridge: Cambridge Univ. Press, 2004) in *The Russian Review* 64, No. 3 (July): 505–6.

Thomas A. Gresik, professor of economics and econometrics and Kellogg Institute fellow, published "The Taxing Task of Taxing Transnationals," originally in *Journal of Economic Literature* 39 (2001): 800–38, and reprinted in *Petroleum Industry Regulation within Stable States*, S. Glomsrød and P. Osmundsen eds. (Ashgate Press, 2005).

Paul R. Grimstad, assistant professor of biological sciences, published "Quantitative Genetics of Vector Competence for La Crosse Virus and Body Size in *Ochlerotatus hendersoni* and *Ochlerotatus triseriatus* Interspecific Hybrids" with J.R. Anderson, J.R. Schneider, and **David W. Severson**, professor of biological sciences, *Genetics* 169 (March): 1529–39.

Frances Hagopian, the Grace Chair in Latin American Studies and Kellogg Institute fellow, edited *The Third Wave of Democratization in Latin America: Advances and Setbacks* with **Scott Mainwaring**, the Conley Professor of Science and Kroc and Kellogg Institutes fellow.

Kevin Hart, professor of English and fellow of the Nanovic Institute, published "The Room" and "The Calm" (both poems) in *The London Magazine* (April/May): 30–31; and *Dark Retreat* (Sydney: Vagabond Press, 2005).

Michael D. Hildreth, assistant professor of physics, published "The Run IIB Trigger Upgrade for the DØ Experiment" with M. Abolins, et al., *IEEE Transactions on Nuclear Science* 51 (2005): 340–44; "B Physics at DØ" in *European Physical Journal C* 33 (2005): S192–94; and "Calibration of Centre-of-Mass Energies at LEP2 for a Precise Measurement of the W Boson Mass" with R. Assmann, et al., *ibid.*: 253–92.

Kelly C. Jordan, professor of military science and assistant professor of history, published "The Yin and Yang of Junior Officer Learning: The Historical Development of the Army's Institutional Education Program for Captains" as the *Association of the US Army's Institute of Land Warfare Paper No. 49* (Arlington, VA: Association of the US Army Institute of Land Warfare, 2004).

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, published "Drastic Difference in Lifetimes of the Charge-Separated State of the Formanilide-Anthraquinone Dyad versus the Ferrocene-Formanilide-Anthraquinone Triad and Their Photoelectrochemical Properties of the Composite Films with Fullerene Clusters" with K. Okamoto, T. Hasobe, N.V. Tkachenko, H. Lemmetyinen, and S. Fukuzumi, *Journal of Physical Chemistry A* 209, No. 21 (2005): 4662–70; and "Boosting Fuel Cell Performance with

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Donald P. Kommers, the Robbie Professor of Political Science and concurrent professor of law, published "International Impact of Supreme Court Decisions" in *Oxford Companion to the Supreme Court of the United States*, 2nd ed., Kermit L. Hall, ed. (2005). He also reviewed *Judgment Days: Lyndon Baines Johnson, Martin Luther King Jr., and the Laws that Changed America in America* (May 23): 24–25.

Charles F. Kulpa Jr., chair of the Dept. of Biological Sciences, published "Toxicity and Antimicrobial Activity of Imidazolium and Pyridinium Ionic Liquids" with K. Docherty, *Green Chemistry* 7 (March 14): 185–9.

Edward J. Maginn, associate professor of chemical and biomolecular engineering, published "Monte Carlo Simulations of Gas Solubility in the Ionic Liquid 1-*n*-Butyl-3-methylimidazolium Hexafluorophosphate" with J.K. Shah, *Journal of Physical Chemistry B* 109 (2005): 10395–10405.

Scott Mainwaring, Kellogg and Kroc Institutes fellow and the Conley Professor of Political Science, published *The Third Wave of Democratization in Latin America: Advances and Setbacks* with **Frances Hagopian**, the Grace Chair in Latin American Studies and Kellogg Institute fellow, and A. Pérez-Liñán (Cambridge: Cambridge Univ. Press, 2005): xviii + 413 pp.

Maureen Barry McCann Boulton, professor of French and fellow of the Medieval Institute, published "'Les Histoires de la Bible' en anglo-normand: une Bible factice" in "Pour acquérir honneur et pris: Mélanges de Moyen Français en Hommage à Giuseppe Di Stefano, ed. C. Galderisi and M. Colombo Timelli (Montreal: CERES, 2004: 17–26; and a review of E. Dillon, *Medieval Music-Making and the "Roman de Fauvel"* in *Speculum* 79 (2004): 1065–66.

Rev. Ernan McMullin, the O'Hara Professor Emeritus of Philosophy, edited *The Church and Galileo*.

Peter R. Moody Jr., professor of political science, published "Salt and Iron: Intimations of Civil Society in Early Imperial

China," *American Review of Chinese Studies* 6, No. 1 (spring): 141–63.

Darcia Narvaez, associate professor of psychology and director, Center for Ethical Education, published "Minnesota's Community Voices and Character Education Project," *Journal of Research in Character Education* 2 (2004): 89–112, with T. Bock, L. Endicott, and J. Lies.

Bruce C. Noll, research associate professor of chemistry and biochemistry, published "Cooperative Metal-Boron Interactions in the Reaction of *nido*-1k2-(Cp^*RuH) $_2\text{B}_3\text{H}_7$, $\text{Cp}^*=\eta^5\text{-C}_5\text{Me}_5$, with $\text{HC}\equiv\text{CPh}$ " with Y. Yan and **Thomas P. Fehlner**, the Grace-Rupley Professor of Chemistry and Biochemistry, *Journal of American Chemical Society* 127 (2005): 4831–44; "Synthesis and Characterization of [*exo*- $\text{BH}_2(\text{Cp}^*\text{M})_2\text{B}_9\text{H}_{14}$]($\text{M}=\text{Ru}$, Re), and the Conversion of the Ruthenaborane into [$(\text{Cp}^*\text{Ru})_2\text{B}_{10}\text{H}_{16}$] with an Open Cluster Framework Based on a Capped Truncated Tetrahedron" with S. Ghosh and **Thomas P. Fehlner**, *Angewandte Chemie International Edition* 44 (2005): 2916–18; and "A Cytochrome b Model, [$\text{Fe}(\text{TPP})(4\text{-MeHlm})_2$][$\text{K}(222\text{-cryptand})_2\text{Cl}_2$] with N.J. Silvernail and **W. Robert Scheidt**, the Warren Professor of Chemistry and Biochemistry, *Acta Crystallographica Section E* E61 (2005): m1201–3.

Joseph M. Powers, associate professor of aerospace and mechanical engineering, cowrote "Mapped Weighted Essentially Non-Oscillatory Schemes: Achieving Optimal Order Near Critical Points" with A.K. Henrick and T.D. Aslam, *Journal of Computational Physics* 207 (2005): 542–67.

Karen Richman, assistant professor of anthropology and Kellogg Institute fellow, published *The Protestant Ethic and the Dis-Spirit of Vodou in Immigrant Faiths: Transforming Religious Lives in America*, K. Leonard, et al. eds. (Alta Mira Press, 2005).

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, published "Voting Our Conscience, Not Our Religion" in the *New York Times* (Oct. 11, 2004); "Religion and Politics: Revising Kennedy Doctrine" in the *Chicago Tribune* (Nov. 22, 2004); and "A Way to Common Ground on Abortion" in the *Indianapolis Star* (June 26).

Yorke M. Rowan, visiting assistant professor of anthropology, published (with U. Baram) the edited volume *Marketing Heritage: Archaeology and the Consumption of the Past* (Walnut Creek, Calif.: AltaMira, 2004), including "Repackaging the Pilgrimage: Visiting the Holy Land in Orlando" and, with Baram, "Archaeology after Nationalism: Globalization and the Consumption of the Past."

Steven Ruggiero, professor of physics, published "Measurement and Modeling of Phonon Cooling by Electron-Tunneling Refrigerators" with N.A. Miller, A.M. Clark, A. Williams, G.C. Hilton, J.A. Beal, K.D. Irwin, L.R. Vale, and J.N. Ullom, *IEEE Trans. Appl. Supercond.* 15 (2005): 556–91; "Dilute Al-Mn Alloys for Superconductor Tunneling and Other Devices" with G.B. Arnold, A. Williams, A.M. Clark, N.A. Miller, and J.N. Ullom, *ibid.*: 125–8; and "Cooling of Bulk Material by Electron-Tunneling Refrigerators" with A.M. Clark, N.A. Miller, A. Williams, G.C. Hilton, L.R. Vale, J.A. Beall, K.D. Irwin, and J.N. Ullom, *Appl. Phys. Lett.* 86 (2005): 173508.

Robert W. Scheidt, the Warren Professor of Chemistry and Biochemistry, published "Electronic Configuration Assignment and the Importance of Low-Lying Excited States in High-Spin Imidazole-Ligated Iron(II) Porphyrinates" with C. Hu, et al., *Journal of American Chemical Society* 127 (2005): 5675–88.

Alan Seabaugh, professor of electrical engineering, published "Opposing Dependence of the Electron and Hole Gate Currents in SOI MOSFETs under Uniaxial Strain," with W. Zhao, V. Adams, B. Winstead, and D. Jovanovic, in *IEEE Electron Device Letters* 26 (June): 410–12; and "Tunnel Diode/Transistor Differential Comparator" with Q. Liu and S. Sutar in *High Performance Devices*, ed. R.E. Leoni III (World Scientific, 2005): 640–5.

Slavi C. Sevov, professor of chemistry and biochemistry, published [$(\text{Ni-Ni-Ni})@(\text{Ge}_9)_2$] $^{4+}$: A Linear Triatomic Nickel Filament Enclosed in a Dimer of Nine-Atom Germanium Clusters" with J.M. Goicoechea, *Angewandte Chemie International Edition* 44 (2005): 4026–28; and " $[(\text{Pd-Pd})@(\text{Ge}_{18})]^{4+}$: A Palladium Dimer Inside the Largest Single-Cage Deltahedron"

with J.M. Goicoechea, *Journal of American Chemical Society* 127 (2005): 7676–77.

Philip Sloan, adjunct instructor in the First-Year Composition Program, published "Evolution" in the *Stanford Electronic Encyclopedia of Philosophy* (2005).

Andrew J. Sommese, the Duncan Professor of Mathematics, published "An Intrinsic Homotopy for Intersecting Algebraic Varieties" with J. Verschelde and C.W. Wampler, *Journal of Complexity* 21 (2005): 593–608.

Matthew V. Storin, concurrent professor of American studies, published "Politics, Law and an Anonymous Source," in the *Notre Dame Journal of Law, Ethics and Public Policy* 19, No. 2, (2005): 589–94.

Mark A. Suckow, director and research associate professor in the Freimann Life Science Center, published "Prevention of *de novo* Prostate Cancer by Immunization with Tumor-Derived Vaccines" with W.R. Wolter and **Morris Pollard**, the Coleman Director of the LOBUND Laboratory and professor emeritus of biological sciences, *Cancer Immunology Immunotherapy* 54 (2005): 571–576.

Kerry Temple, managing editor of *Notre Dame Magazine* and concurrent instructor of American studies, published *Back to Earth: A Backpacker's Journey into Self and Soul* (Rowman and Littlefield, 2005).

J. Kerry Thomas, the Newton Professor Emeritus of Science, published "Physical Aspects of Radiation-Induced Processes on SiO_2 , $\gamma\text{-Al}_2\text{O}_3$, Zeolites, and Clays," *Chemical Reviews* 105 (2005): 1683–1734.

G.N.R. Tripathi, professional specialist in the Radiation Laboratory, published "Time Resolved Resonance Raman Observation of the Extreme Protonation Forms of a Radical Zwitterion in Water," *J. Chem. Phys.* 122, No. 7 (2005): 071102-1–4.

Thomas S. Vihtelic, research assistant professor of biological sciences, published "Lens Opacity and Photoreceptor Degeneration in the Zebrafish Lens Opaque Mutant" with Y. Yamamoto, S.S. Springer, W.R. Jeffery, and D.R. Hyde, *Dev. Dynam.* 233, No. 1 (2005): 52–65; "Zebrafish Pitx3 is Necessary for Normal Lens and Retinal Development" with X. Shi, D.V. Bosenko, N.S. Zinkevich, S. Foley, D.R. Hyde, and E.V. Semina, *Mech. Dev.* 122, No. 4 (2005): 513–27; and "GammaN-Crystallin and the

Evolution of the Betagamma-Crystallin Superfamily in Vertebrates" with G.K. Wis-tow, G.K. Wyatt, L. David, C. Gao, O. Bate-man, S. Bernstein, S. Tomarev, L. Segovia, and C. Slingsby, *FEBSJ.*, 272, No. 9 (2005): 2276–91.

Christopher J. Waller, the Schaefer Professor of Economics and Econometrics, published "The Distribution of Money Balances and the Non-Neutrality of Money" in the *International Economic Review* (May): 465–87.

Joni Warner, associate librarian and coordinator of library instruction, University Libraries, published "Teaching Centers, Libraries and Benefits to Both," written with N.H. Seamans, in *Resource Sharing and Information Networks* 17, No. 1/2 (2004): 29–42, and also in *Libraries Within Their Institutions: Creative Collaborations*, ed. W. Miller and R. Pellen (New York: Haworth Information Press, 2004): 29–42.

Michael Wiescher, the Freimann Professor of Physics, published "Experimental Challenges in Nuclear Astrophysics," *Nuclear Physics A* 751 (2005): 285–300c; "The Data Acquisition System of the Neutron Time-of-Flight Facility n_TOF at CERN" with U. Abbondanno, et al., *Nuclear Instruments and Methods in Physics Research A* 538 (2005): 692–702; and "Time-Energy Relation of the n_TOF Neutron Beam: Energy Standards Revisited" with G. Loruso, et al., *ibid.*: 532 (2005): 622–30.

Andreas Wöhr, research assistant professor of physics, published "Coulomb Excitation and Transfer Reactions with Rare Neutron-Rich Isotopes" with D.C. Radford, et al., *Nuclear Physics A* 752 (2005): 264c–72c.

Corrections

Issue 15 incorrectly stated the title for Laura Holt. The correct title is associate professional specialist and deputy director, London Program, and concurrent associate professional specialist in theology.

Administrators' Notes

Activities

Alan Bigger, director of Building Services, presented "The Dragons at Our Gate: Outsourcing Custodial Operations" at a conference hosted by the Univ. of Michigan, the Michigan Dept. of Agriculture, and the International Executive Housekeepers' Association on June 17 in Ann Arbor; and "Marketing to Facilities Managers: Beyond a Tale of Two Cities" at "Clean '05" in Orlando, June 25.

Publications

Alan S. Bigger, director of Building Services, published "Improve Industrial Cleaning Methods" with L.B. Bigger, http://www.cmmonline.com/Howto.asp?H_ID=1339; "Thorough Planning will Drive Down Costs" with L.B. Bigger, *Cleaning Maintenance Management* 42, No. 4 (April): 22–24; "Marketing to Facilities Managers: Beyond a Tale of Two Cities" with L.B. Bigger, *Textile Rental* 88, No. 10 (June): 72–74; "A Salute to Unsung Heroes" with L.B. Bigger, *Executive Housekeeping Today* 26, No. 6 (June): 6–7+; "On the Case of Rubber Bands: Elasticity is Key to Survival" with L.B. Bigger, *ibid.*, No. 5 (May): 6–7.

Documentation

Faculty Board on Athletics

May 2, 2005

Members Present: Prof. Fernand Dutile (Chair); Prof. Patricia Bellia; Prof. Harvey Bender; Prof. Eileen Botting; Mr. Bobby Brown; Prof. Stephen Fallon; Prof. Umesh Garg; Mr. Patrick Holmes; (Rev.) Peter Jarret, C.S.C.; Prof. David Kirkner; (Rev.) Mark Poorman, C.S.C.; Prof. Donald Pope-Davis; Prof. F. Clark Power; Prof. John Weber; and Dr. Kevin White.

Members Absent: None.

Observers Present: Ms. Missy Conboy and Mr. Bernard Muir of the Department of Athletics; Ms. Kitty Hoyer, recorder.

Guests: Dr. Frances Shavers, executive assistant to president-elect John Jenkins, C.S.C.; Mr. Jim Kubinski, head coach for men's golf; and Mr. Mike Brey, head coach for men's basketball.

1. Call to order and prayer: The Chair called the group to order at 10:00 a.m.; Father Jarret led the group in prayer.

2. Minutes of Previous Meeting: [Board members approved the minutes for the meeting of March 17, 2005, in an e-mail vote that became official on May 6.]

3. Announcements: At this point, the Chair introduced to the Board Dr. Frances Shavers, newly appointed executive assistant to president-elect Father Jenkins. Father Jenkins has asked Dr. Shavers to serve as his representative to the Faculty Board on Athletics upon his assumption of the office of president on July 1, 2005.

The Chair reported to the Board on other changes in its membership for the coming academic year. The Chair noted for the record that Father Jenkins has re-appointed Prof. Pope-Davis to his second three-year term and Mr. Brown to his third one-year term. Also, both Prof. Weber and Prof. Fallon have been re-elected by their respective Colleges to a second three-year term. Only one position remains open for the next academic year; the College of

Science has not yet conducted its election with regard to that position. [Shortly after this meeting, the College of Science elected Prof. Francis Castellino, Kleiderer-Pezold Professor of Biochemistry, to a three-year term on the Board.]

The Chair announced that he had approved, on the Board's behalf, the schedule for men's golf for spring 2005. (At its meeting of November 18, 2004, the Board had approved a fourth class-miss day in the Monday-Wednesday-Friday sequence for that team during the spring semester.) Due to flight complications, the Chair has also approved amendments to that schedule. Thursday, March 31; Monday, April 4; and the afternoon of Thursday, April 14 (for two student-athletes only) have been added as excused-absence days. Despite these amendments, only one student-athlete missed a fifth day in the Monday-Wednesday-Friday sequence, and no student-athlete missed more than three days in the Tuesday-Thursday sequence.

The Chair also approved Monday, April 4, and Monday, April 25, as excused-absence days for baseball and softball. Due to weather complications, play on these two days became necessary under the mandatory make-up rules of the Big East Conference. The Chair also approved an additional baseball game against Manchester College on April 28, replacing an earlier game cancelled due to weather. The April 28 game took place at home and implicated no class misses.

The Chair also announced that he had approved the following captaincies for the 2005-06 academic year: women's track and field (Kerry Meagher); men's track and field (Selim Nurudeen and Chip Roberts); men's swimming (Patrick Heffernan and Jamie Lutkus); men's soccer (Dale Rellas, Greg Dalby and John Stephens); women's soccer (a slate of nominees from which the ultimate captains will be chosen); men's tennis (Patrick Buchanan and Eric Langenkamp); football (Brandon Hoyte and Brady Quinn); and hockey (Taylor Jindra, Jason Paige and Michael Walsh). The Board rati-

fied these decisions of the Chair.

4. Tour of Guglielmino Athletics Complex: [At this point, the Faculty Board on Athletics toured the Guglielmino Athletics Complex, now mid-construction. Dr. Thomas W. Kelly, a former associate athletics director at Notre Dame who played a major role in planning the Complex, led the tour. The meeting then resumed in the Monogram Room of the Joyce Center.]

5. Introduction of New Coach for Men's Golf: The Chair introduced to the Board the new head coach for men's golf, Mr. Jim Kubinski. Coach Kubinski, who comes to Notre Dame by way of Duke University, briefly addressed the Board. He thanked the Board for the invitation to speak with it. He indicated his delight at the opportunity to coach at Notre Dame. He stressed how happy he was to see his team win the Big East Championship just a few months after his arrival at Notre Dame. Although he appreciated the importance of the University's requirements with regard to team travel, noting their helpfulness in building schedules, he did stress that providing a competitive schedule for his team within these requirements will continue to present a challenge for him. In response to a question from Prof. Weber concerning the team's prospects, Coach Kubinski answered with an enthusiastic "Excellent!" Recruiting, he added, goes extremely well. Father Poorman: How do you recruit student-athletes from warm-weather states? Coach Kubinski: To be sure, geography speaks volumes to golf-team prospects. That will continue to be one of our biggest hurdles. Nonetheless, the academic environment at Notre Dame provides a tremendous appeal. Moreover, the new practice facility at the Warren Golf Course will serve us well as a recruiting tool. I came here in the middle of the year and survived; student-athletes can too. We just have to find student-athletes who fit at Notre Dame academically, athletically and so forth. Prof. Fallon asked how Notre Dame compares with Duke insofar as recruiting is concerned. Coach Kubinski: I haven't yet had a good chance to make that comparison, but I am scheduled to sit down with admissions officials within the next few weeks to discuss the criteria. Mr. Muir added that the Warren practice facility referred to by Coach Kubinski will provide a 10,000-square-foot indoor-outdoor

facility that will enable student-athletes to hone their golf prowess year-round. Located just north of the golf course's current maintenance facilities, the structure should be completed by 2006. At this point, the Chair thanked Coach Kubinski for meeting with the Faculty Board and wished him every success.

6. Proposed Study-Day Game for Men's Basketball – Fall 2005: Mr. Mike Brey, head coach for men's basketball, appeared before the Board to discuss his proposal that the team play a regular-season, non-conference game on December 10, 2005, a study day at Notre Dame. Coach Brey pointed out that the team has played such a game during study days in four out of the past five years. Two reasons support such a game. First, developing a schedule for men's basketball has become quite difficult, in large part because of the limited availability of our arena; the team shares the Joyce Center with both volleyball and women's basketball. Second, without such a game, the team would not play from December 8 through December 22; that period of inactivity, a long time to be "off the floor," would put us at a huge competitive disadvantage. Competing that study-day weekend allows us to schedule a non-conference game before the Big East slate begins. He added that playing "another key date" in the first semester takes some of the pressure off the team's demanding second-semester schedule. These study-day events usually take place at home. Only one of the previous four has been away; since the opponent was DePaul University, in Chicago, we were able to go there and back the same day. In fall 2006, we would not schedule any charter or overnight trips during the study-day period. Coach Brey added that his student-athletes "are doing a fabulous job academically." The team's cumulative grade-point average stands above the 3.0 level. At this point, the Chair thanked Coach Brey for presenting this issue to the Board. After Coach Brey left the room, the Chair opened the issue to discussion. Prof. Garg: The basketball team has asked for such a game in each of the last six years. It can be assumed that such requests will continue. Would it be wise to pass a resolution allowing such a game every year? Both the Chair and Dr. White agreed that dealing with these situations on an "ad hoc" basis keeps the "baseline"

where it is. If the study-day game becomes part of the general rule, we risk still further schedule erosion in men's basketball and all other sports. Prof. Fallon moved that men's basketball be allowed to schedule a study-day game on December 10, 2005, as part of the "limited non-conference" competition allowed by University regulations. Prof. Kirkner seconded that motion. Prof. Weber stressed that the motion applies to fall 2005 only. Any perception that the waiver constitutes a general amendment of University guidelines could carry with it a significant negative impact. The Board unanimously approved the motion.

7. Petitions for a Fifth Year of Eligibility (Spring Sports): Prof. Bender, as chair of the subcommittee on academic integrity, brought to the Board the petitions of four student-athletes requesting a fifth year of eligibility: Meghan Boyle (crew); Carol Dixon (women's lacrosse); Matt Edwards (baseball); and Emily Loomis (women's track). He provided for members of the Board a written summary of the four cases. He voiced his opinion that all the petitions "are in order"; he moved their approval. (The motion required no second, since it emanated from the chair of a subcommittee.) [As usual, for privacy reasons these public minutes do not include discussion relating to individual student-athletes]. The Board unanimously approved the four applications for a fifth year of eligibility.

8. Report on Disciplinary Matters Related to Student-Athletes: Father Poorman, vice-president for student affairs, presented to the Board his annual report, including a written summary, on disciplinary matters as they relate to student-athletes. After his presentation, he took questions. Following the Faculty Board's extensive discussion of both process and substance, the Chair thanked Father Poorman for his report.

9. Report on Notre Dame's Student-Athlete Profile: Mr. Holmes, director of the Office of Academic Services for Student-Athletes, provided the Board with his annual report on the "student-athlete profile." At Notre Dame, 682 student-athletes participate on 26 varsity teams; this number represents 8.2% of Notre Dame's undergraduate population. Of these student-athletes, 421 (or 61.7%) receive a grant-in-aid. Women represent 43.2% of student-athletes receiving grants-in-aid and

receive 41.3% of the amount awarded in the form of grants-in-aid. Women represent 46.9% of the Notre Dame undergraduate population and 42.4% of the Notre Dame student-athlete population. Minorities represent 18% of the undergraduate population and 16.7% of the student-athlete population. African-Americans represent 3.7% of Notre Dame's undergraduate population and 11.7% of its student-athlete population. African-American males represent 3.6% of the Notre Dame population and 16% of the student-athlete population. Among all African-American male undergraduates, 40.1% are student-athletes. With regard to religion, 83.8% of Notre Dame undergraduates, and 66.1% of Notre Dame student-athletes, are Roman Catholic. With regard to individual Colleges, 53.2% of Notre Dame undergraduates are enrolled in either Arts and Letters (34.2%) or Business Administration (19%); 60.7% of Notre Dame's student-athletes are enrolled in either Arts and Letters (31.7%) or Business Administration (29%). Engineering (8.7%) and Science (11.4%) account for 20.1% of Notre Dame undergraduates. Engineering (4.5%) and Science (5%) account for 9.5% of Notre Dame student-athletes. The most popular majors for Notre Dame undergraduates are Political Science (8.3%), Psychology (5.8%), English (5.6%), Finance (5.5%) and Science Pre-Professional (5.4%). The corresponding numbers for Notre Dame student-athletes: Finance (10.1%), Marketing (9.3%), Psychology (7.5%), Sociology (6.5%) and Political Science (4.6%). For male student-athletes, the most popular majors are Finance, Marketing, Sociology, Accounting and Mechanical Engineering. For female student-athletes, the most popular majors are Psychology, Marketing, English, Political Science and Anthropology. With regard to test scores, the average SAT for non student-athletes is 1370; that for student-athletes is 1220 (1210 for men and 1234 for women). The average SAT for all grant-in-aid student-athletes is 1162 (1148 for men and 1181 for women). After the fall 2004 semester, the average cumulative grade-point average for all students stood at 3.356, that for all student-athletes at 3.112, and that for all grant-in-aid student-athletes at 3.065. Finally, with regard to 2005 NCAA Graduation Rates, 91% of first-year grant-in-aid student-athletes who enrolled in the fall

of 1998 have graduated. Notre Dame's four-class average (first-year grant-in-aid student-athletes enrolling in 1995 through 1998) is 90%. Notre Dame's supplemental graduation rate, which charts the graduation percentage of student-athletes who have exhausted their eligibility at the University during a ten-year period (1989 through 1998), is 99.5%. These figures come directly from the Office of Institutional Research. In response to a question from Prof. Pope-Davis, Father Poorman noted that the overall percentage of Roman Catholics has fallen, though by very little. Prof. Kirkner observed that the percentage of student-athletes in the Colleges of Arts and Letters and Business Administration might rise to 70% were student-athletes in the First Year of Studies pulled out of the calculation. Prof. Garg asked Mr. Holmes to explain the supplemental graduation rate. Mr. Holmes informed the Board that the NCAA employs a ten-year window. Using that window, we track the graduation percentage of all grant-in-aid student-athletes who have completed their eligibility. Ideally, of course, that number should be 100%; Notre Dame's is 99.5%. Mr. Holmes noted that the current NCAA graduation-rate methodology counts as a negative any student-athlete who, despite being in good academic standing, transfers out of the University. Under the NCAA's new Academic Performance Program, however, student-athletes leaving in "good academic standing" will not hurt our Graduation Success Rate. Mr. Brown asked how "good academic standing" gets defined under the new plan. Mr. Holmes: Each institution determines its own standard. Father Poorman added that Notre Dame uses a higher standard for "good academic standing" than do some other institutions. Prof. Bender noted that the NCAA already allows universities to bring basketball players, both men and women, to campus for the summer prior to their enrollment in order to facilitate their transition into college life. What about a similar plan for football? Mr. Holmes responded that the NCAA used basketball as a pilot program. Now, in fact, all incoming grant-in-aid student-athletes may come to the institution to earn credit during the summer prior to their first year of enrollment. The NCAA requires only that the selection of student-athletes for any such summer program be based on

criteria not related to athletics. We looked for student-athletes who would most benefit from such a program. A committee comprising Mr. Daniel J. Saracino (assistant provost for admissions), Mr. Kevin M. Rooney (associate dean in the First Year of Studies), Mr. Holmes (director of the Office of Academic Services for Student-Athletes), and the Chair of the Faculty Board on Athletics made the actual selections. The Chair added that the process took place anonymously; the committee did not know the student-athlete's sport, race, gender or religion. The student-athlete's high school, curriculum, grades, SAT or ACT score, intended major and the like were considered. Prof. Pope-Davis: Do we have any data concerning the success or failure of the program with regard to basketball players? Mr. Holmes answered that it is still too early to tell. He did note that, in women's basketball, the first group to be eligible for the program just graduated all five of its members.

10. Report on the BCS: Dr. White reported to the Board with respect to Notre Dame's position under the new BCS Bowl arrangement. That arrangement covers the four-year period from 2006-07 through 2009-10. The two "key" issues in our negotiations, access points and payout, appear to be resolved. The "access points" issue addresses the conditions under which Notre Dame might appear in a BCS Bowl. "Payout," of course, relates to financial remuneration. With respect to access points, Dr. White continued, Notre Dame actually ends up in a better position under the new arrangement. Currently, we get automatic access when we are ranked number six or better. The new model gives Notre Dame automatic access when we are ranked number eight or better. This relates directly to the fact that the current model calls for eight access points (four games) while the new model provides ten access points (five games). Even without automatic access, Notre Dame will remain eligible for an at-large invitation when it has at least nine wins and a ranking of twelve or better. With regard to access points, therefore, the new model provides a tremendous positive for us.

The payout issue may not be as positive, Dr. White said, although this judgment depends on one's perspective. The current

model provides a "feast or famine" feature for Notre Dame; in other words, we get paid a very large amount, but only when we actually appear in a BCS Bowl game. The new model attempts to treat Notre Dame as if it were a member of a conference. Accordingly, we will receive 1/66th (approximately \$1.3 million) of the annual share in years in which we do not play. When we do play, Notre Dame will receive \$4.5 million or a second-team share (in other words, the amount of money earned by a conference for having a second conference team in a BCS Bowl game), whichever is higher. In any event, however one looks at it, this arrangement represents the very best we were able to get. In fact, if you "do the math," the new model still provides us with a tremendous financial advantage over our peers. Accordingly, it is hard to "bellyache" about the new arrangement or, for that matter, "crow" about it. It is what it is: the new reality. Why, Prof. Kirkner asked, does Dr. White feel that the deal is not a great one? Because, Dr. White replied, I kind of dislike losing the "feast or famine" feature. Prof. Bender asked about the "twelfth game" issue. Dr. White responded that the NCAA has approved twelve-game seasons for all Division I-A institutions (until that change, such institutions could schedule a twelfth game only in those calendar years having an extra Saturday during the playing season). We are looking, he continued, at some really creative ways to use that option. Our primary target is a 7-4-1 scheme under which we play seven home games at Notre Dame Stadium, one home game at a "neutral" site, for example Chicago or Jacksonville, and four away games in so-called "return" games, i.e., games against teams who would then reciprocate with a game at Notre Dame during some other season. Prof. Bender asked how all this affects our contract with NBC. Dr. White: The arrangement gives the network more games and therefore brings them significant resources. It certainly enhances their access to games. The Chair thanked Dr. White for his report.

11. Reports of Subcommittee Chairs: Prof. Garg, chair of the subcommittee on student welfare, provided the Board with an "update" on the issue of student-athlete access to religious services, an issue discussed at the previous meeting. Prof. Garg informed

the Board that the subcommittee presented the issue at a meeting of the Student-Athlete Advisory Council, a group made up of delegates from each of our varsity teams. At that meeting, SAAC members were asked to invite their teammates to e-mail any related concerns to Prof. Garg. Interestingly, he noted, although the issue had originally been raised with regard to non-Catholic students, every e-mail message he received came from a Catholic student-athlete. Some student-athletes expressed the view that their coaches did not do enough to provide student-athletes with an opportunity to attend Sunday Mass while on the road. Women athletes, especially, voiced concern about a lack of religious services. Of the eight e-mail messages Prof. Garg received, four came from student-athletes on the same team. Prof. Botting added that she and Mr. Brown, on behalf of the subcommittee, raised the issue at a meeting of Notre Dame head coaches. These coaches proved very open to the discussion and very aware that non-Catholic students might be reluctant to speak on the issue. The head coaches, Prof. Botting stressed, remain very positive with regard to religious participation and very open to ideas, for example focus groups or surveys, that might provide perspective. The Chair noted that, with regard to Sunday Mass attendance, there are many opportunities on campus Sunday evenings, a time during which very few teams find themselves away from campus. Prof. Pope-Davis asked whether any thought has been given to putting a chapel in the new Guglielmino Athletics Complex. Actually, Dr. White replied, the opening of the Complex will make more space available in the Joyce Center. Much remains to be decided, but the creation of some kind of religious space in the Joyce Center will receive serious consideration.

For the subcommittee on academic integrity, Prof. Bender reported that the proposed conference on athletics and religion remains very much "in the works." He invited anyone on the Board interested in assisting the subcommittee in planning this conference to attend the subcommittee's meetings. He added that the subcommittee continues to discuss issues surrounding the fifth year of eligibility, especially with regard to "unclassified graduate students."

We must find some way to create, for this category of student-athlete, a structured curriculum that is both inviting and engaging. Prof. Pope-Davis added that we need to systematically identify more courses, "system-wide," that better engage these student-athletes. This issue continues, he asserted, to be a great concern for many of us.

12. New Business: Prof. Bender, as chair of the subcommittee on academic integrity, reported that the subcommittee, at the request of the Board, has revisited the issue relating to the number of credits University regulations require student-athletes to undertake when completing their undergraduate degree during a fifth year of eligibility. The subcommittee, along with the Chair of the Faculty Board, met with assistant dean Ava Preacher concerning this issue. Dean Preacher restated her view that student-athletes finishing their undergraduate degree in their ninth semester should be allowed to carry as few credits as required to finish the degree. Currently, Notre Dame mandates that such student-athletes undertake nine credits. The NCAA, in contrast, allows student-athletes to take as few credits as are required to complete the degree in any semester. Interestingly, our regulations do allow student-athletes finishing the degree in their eighth semester to take fewer than nine hours. Prof. Bender indicated his agreement with Dean Preacher's view and proposed that the Board amend its regulations to provide student-athletes completing their degree during the ninth semester the same flexibility enjoyed by student-athletes completing their degree during the eighth semester. Thanking Prof. Bender for his presentation, the Chair noted that a vote on any such change would require advance notice to the Board. Since the proposal for such a change did not appear on today's agenda, he suggested that the matter be placed on the agenda for the first meeting of the next academic year.

At this point, the Chair thanked Dr. White for hosting today's meeting. He also thanked members of the Board for all their work during this academic year, one which, all would agree, presented special challenges.

The Chair adjourned the meeting at 1:00 p.m.

Advisory Committee on Academics and Student Life

Responding to the Scholarly Calling: Fostering Future Scholars and Teachers from within the Notre Dame Community

April 2005

Beginning in Fall 2003, the Advisory Committee on Academics and Student Life (ACASL) has studied how Notre Dame can develop programs and structures which encourage undergraduates to pursue doctoral studies and to consider scholarship as a potential vocation. ACASL's inquiry was spurred, in part, by national data which shows that overall just over half as many Notre Dame undergraduates go on for doctorates as their counterparts at peer institutions. Engineering is the only area in which Notre Dame undergraduates earn PhDs at a higher rate than their peers. It is telling, in the Committee's view, that both as incoming first-years and as graduating Seniors, Notre Dame students are more likely than their peers to aspire to earn Master's Degrees, rather than Ph.Ds.

Methodology

So that the Committee might fully explore this topic, the following subcommittees were formed:

Internal Strategies/Constituencies Subcommittee

Goal: Gather information and engage internal constituencies in dialogue about current efforts and new possibilities.

External Bench-Marking Subcommittee

Goal: Benchmark against peer institutions with demonstrated strength in this area.

Alumni Subcommittee

Goal: Explore with Notre Dame graduates how their interest in scholarship was developed and supported.

The work of the subcommittees was discussed at ACASL's quarterly meetings.

Subcommittee Findings

Internal Strategies/Constituencies Subcommittee: Academic departments cited the following factors as influential in students' decision-making about graduate studies:

- undergraduate exposure to research (identified as a very influential factor)
- close and frequent contact with a faculty member outside of class
- student experience on departmental committees or as student representatives to professional organizations
- an experience as an intern that reinforces the need for an advanced degree
- professional requirements that mandate an advanced degree
- engaging intellectual experiences: reading, writing, exposure to excellent faculty

The subcommittee reported on the community-based research being done through the Center for Social Concerns as a form of applied scholarship which sparks student enthusiasm for research and encourages the development of research skills. Several other programs were identified as holding great promise, including summer seminars hosted by the Erasmus Institute which bring students together with distinguished faculty for a rich intellectual experience and courses developed by ISLA specifically to capitalize on student enthusiasm for particular fields of study after a foreign study experience.

External Bench-Marking Subcommittee: Based on national data identifying colleges and universities with the highest rates of undergraduates pursuing doctoral studies, the subcommittee conducted bench-marking interviews with Duke, Princeton, and Swarthmore. Summaries of these interviews follow:

Duke does not require undergraduates to complete research projects, although students who wish to graduate with distinction must complete such a project in addition to achieving a particular GPA. Of the class of 2002, 29% completed research projects, up from 13% in 2001. Noteworthy programs at Duke include "Visible Thinking Days," where students present their work at poster sessions coinciding with campus visitation days and an undergraduate research symposium.

Princeton requires all students to engage in independent research during their junior

and senior years; the nature of the research varies, depending on the student's major and discipline. Students are encouraged to pursue doctoral programs within the academic departments and by the individual faculty advisors who oversee undergraduate research projects.

At Swarthmore, the cultivation of student interest in doctoral studies occurs primarily in the building of relationships between faculty and students. Advisors are encouraged to invite their students to their homes for dinner and to interact in a variety of informal settings. Students are also encouraged to get involved with research and to co-author papers; in a number of departments, a research project is required.

Alumni Subcommittee: An electronic survey was developed and sent to 27,300 alumni who graduated between 1979 and 2004; approximately 7,000 alumni completed the survey, a response rate of 26 %.

All survey participants were asked to indicate their highest earned degree, the kinds of activities they participated in during college (e.g., assisted faculty member with research, internship, tutoring, community service, intramural athletics, international study, musical performance), and their satisfaction with various features of the Notre Dame experience (e.g., access to faculty, experience of hall life, sense of community, quality of academic advising). Those participants with graduate degrees—whether PhDs or other advanced degrees—were asked to identify the factors and the people that influenced their decisions to pursue graduate studies. Selected survey results follow:

- 53% of Notre Dame undergraduates who later earned PhDs indicated that they "assisted a faculty member with research" while in college, compared with 13% of those whose highest degree was a BA and 17% of those who earned an advanced degree other than a PhD.
- Notre Dame alumni, regardless of the highest degree earned, indicated very high levels of satisfaction with "access to faculty," "quality of faculty," "opportunities for service," and "experience of hall life." Those who earned PhDs were significantly less satisfied with "opportunities to meet

different people" while at the University (51%) than those whose highest degree is a BA (68%).

- For those who earned PhDs, the three most important factors in their decision-making about graduate studies were "intellectual interests" (79%), "passion for a given discipline" (78%), and "long-term career goals" (77%). Those with advanced degrees other than PhDs listed "long-term career goals" (84%), "intellectual interests" (55%), and "desire for a higher paying job" (52%) as the most important factors.
- Those earning PhDs identified the following people as "influencing a great deal" their decision-making about graduate studies: "faculty" (57%), "parents/family" (31%), and "friends and peers" (19%). Those with other advanced degrees indicated "parents/family" (41%), "friends and peers" (28%), and "colleagues in the workplace" (22%) were most influential; for this group, only 13% indicated faculty "greatly influenced" their decision-making about advanced studies.

Recommendations:

Based on its study of this issue, ACASL recommends that the University, through the appropriate departments, take the following steps:

- 1) Host a panel discussion at a Deans and Department Chairs' Retreat on how the University might encourage undergraduates to pursue graduate studies and academic vocations. Gather departmental advisors for a similar discussion.
- 2) Partner with The Career Center to develop a portion of their website which features "Frequently Asked Questions about Graduate School" and links students to internal and external resources.
- 3) Expand opportunities for students to participate in "Discernment Dinners" with faculty as well as with librarians and archivists. Also, host "Discernment Dinners" which feature graduate students as invited

- speakers to capitalize on student-to-student mentoring.
- 4) Schedule student poster sessions to coincide with campus visitation days for highly-recruited admitted students.
 - 5) Heighten campus awareness about prestigious scholarship/fellowship opportunities and about services offered through the Office of Post-Baccalaureate Fellowships.
 - 6) To promote student interest, award one University-funded fellowship each year to the strongest Notre Dame applicant for the Fulbright or Rhodes who did not receive one of these fellowships.
 - 7) Host an annual dinner which brings together seniors who have applied for scholarships or fellowships and juniors/sophomores interested in applying, featuring as dinner speakers recent alumni who received such awards.
 - 8) Encourage students who receive University travel or research grants to apply for a Fulbright or other award. At a minimum, these students should be required to meet with the Office of Post-Baccalaureate Fellowships to discuss such opportunities.
 - 9) Continue efforts to revitalize the Hall Fellows program and develop other avenues for bringing together faculty and students for informal gatherings. These interactions allow students to experience faculty as individuals who are committed to and enthusiastic about their work.
 - 10) Encourage the continuation of mentor relationships established between first-year students and faculty in the College of Arts and Letters. Ideally, faculty will remain in contact with students throughout their undergraduate careers, meeting at least twice a year.
 - 11) Find ways to make undergraduate research more visible, e.g. access to theses through the University Libraries website, publication in undergraduate research journals, features on Career Center website, and e-mails from deans which highlight outstanding research projects and opportunities.
 - 12) Support initiatives like seminars to be offered through the Erasmus Institute beginning in Summer 2005:
 - a) two-week seminar on Catholic Intellectual Traditions for undergraduates from Notre Dame and eminent secular universities who are considering graduate studies and an academic vocation in any discipline; and
 - b) two-week seminar for Notre Dame undergraduates who are considering graduate studies and an academic vocation either in a discipline represented in the College of Arts and Letters or in the Law School. These seminars are also open to graduates of the ACE program.
 - 13) Disseminate the insights gained from the ACASL Alumni Survey, particularly regarding the critical role faculty play in encouraging undergraduates to pursue doctoral studies.
 - 14) Develop funding opportunities through the Office of Research to encourage and support the participation of Notre Dame Undergraduates in research and scholarly endeavors.
 - 15) Enhance the performance of Notre Dame undergraduates on the Graduate Record Examination (GRE). Using expertise within the Graduate School, offer a non-credit bearing course to better prepare undergraduates for the questions and topics appearing on the GRE.

Research

Awards and Proposal Summary

05/01/2005 to 05/31/2005

Awards Received

Category	No.	Amount
Research	20	\$5,722,697
Total:	20	\$5,722,697

Proposals Submitted

Category	No.	Amount
Research	69	\$21,186,260
Instructional Programs	1	\$5,000
Total:	70	\$21,191,260

May 2005 Cumulative summary

Awards Received

Category	07.01.2002 - 05.31.2003		07.01.2003 - 05.31.2004		07.01.2004 - 05.31.2005	
	No.	Amount	No.	Amount	No.	Amount
Research	340	\$60,008,711	371	\$61,129,467	323	\$64,451,895
Facilities and Equipment						
Instructional Programs	10	\$1,333,710	9	\$1,230,943	3	\$445,643
Other Programs			1	\$62,500		
Service Programs						
Total:	350	\$61,342,421	381	\$62,422,910	326	\$64,897,538

Proposals Submitted

Category	07.01.2002 - 05.31.2003		07.01.2003 - 05.31.2004		07.01.2004 - 05.31.2005	
	No.	Amount	No.	Amount	No.	Amount
Research	547	\$147,817,745	689	\$253,918,056	727	\$207,099,127
Facilities and Equipment						
Instructional Programs	9	\$3,341,578	8	\$2,416,370	19	\$3,384,304
Other Programs						
Service Programs						
Total:	556	\$151,159,323	697	\$256,334,426	746	\$210,483,431

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

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at research@nd.edu or 631-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

Awards received during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C.	Advanced	Department of the Air	\$1,802,000	12
Morris, Scott C.	Performance Gas Turbine Laboratory	Force		
Department or Office:	Biological Sciences			
Besansky, Nora J. (Center or Institute)	Ecological Genomics of Anopheles gambiae	National Institutes of Health	\$541,770	57
Fraser, Malcolm J (Center or Institute)	Transgenic Engineering of Aedine Mosquitoes Using the PiggyBac Transposon	National Institutes of Health	\$428,700	12
Lodge, David M. Lamberti, Gary A.	Ecological Forecasting	National Science Foundation	\$6,500	48
Department or Office:	Chemical and Biomolecular Engineering			
Chang, Hsueh-Chia Sengupta, Shramik (Center or Institute)	Microfluidic Analytical Separator for Proteomics	Corporate Funding	\$48,000	23
Department or Office:	Chemistry and Biochemistry			
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	\$375,000	36
Castellino, Francis J. (Center or Institute)	Pathophysiology Involving Hemostasis-Related Genes	National Institutes of Health	\$1,775,337	48
Henderson, Kenneth W.	Development of Novel S-Block Organometallic Reagents	National Science Foundation	\$115,000	36
Miller, Douglas A. (Center or Institute)	Application of XRF Spectrophotometry in a Chemistry Based Service Course	Private Foundation	\$20,000	12

Awards received during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Smith, Bradley D. (Center or Institute)	Measuring the Efficacy of Anticancer Drugs in Early Stages of Treatment	Corporate Funding	\$138,105	36
Department or Office:	Computer Science & Engineering			
Striegel, Aaron	TCP/IP Control Plane Enhancements	Corporate Funding	\$37,500	16
Department or Office:	Economics and Econometrics			
Sullivan, James X.	Identifying the Poor, Measuring Poverty, and Assessing Material Well-Being	University of Chicago	\$23,398	12
Department or Office:	Electrical Engineering			
Costello, Daniel J. Fuja, Thomas E.	Bandwidth Efficient Coding Techniques	NASA - Goddard Space Flight	\$70,000	24
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. (Center or Institute)	Multispectral Nanoantenna Infrared Sensors	Corporate Funding	\$30,000	12
Department or Office:	Finance			
Bergstrand, Jeffrey H.	Causes and Consequences of the Growth of Regionalism	National Science Foundation	\$38,217	36
Department or Office:	Mathematics			
Connolly, Francis X. Gekhtman, Michael	NDREU: Notre Dame Research for Undergraduates	National Science Foundation	\$79,960	36
Shaw, Mei-Chi	Partial Differential Equations in Several Complex Variables	National Science Foundation	\$121,750	36
Department or Office:	Physics			
Eskildsen, Morten R.	Sloan Research Fellow	Private Foundation	\$45,000	24

Awards received during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Janko, Boldizsar (Center or Institute)	Institute for Theoretical Sciences Staff	Argonne National Laboratory	\$18,900	5
LoSecco, John M. Tanner, Carol E.	Analysis and Development of Optical Coherent State Quantum Computer Architectures	National Institute Standards & Technology	\$7,560	2

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Atassi, Hafiz M.	Hydrodynamics and Acoustics of Rotor Blades in Nonuniform Inflow Conditions	Department of Navy	\$50,000	5
Bowling, Alan P. Hu, Xiaobo	Mechanical Nervous System for Mobile Robots	National Science Foundation	\$484,410	36
Corke, Thomas C. Fay, Patrick J. Thomas, Flint O. Renaud, John E. Roeder, Ryan K. Seabaugh, Alan C. Neison, Robert C.	Integrated Plasma Generating Structures: SDBD Plasma Flow Control	Princeton University	\$3,059,600	36
Goodwine, John W.	Robust Reduced Order Modeling of Symmetric Distributed Robotic Systems	National Science Foundation	\$380,878	36
Sen, Mihir	Subcontract to CogniTek for Research on Optimization of Microchannel for Cooling	Corporate Funding	\$51,888	12
Department or Office:	Anthropology			
Lende, Daniel H.	Culture, Meaning and Drugs: The Paradox of Colombia's Low Drug Use	National Endowment for the Humanities	\$40,000	9

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Art, Art History and Design			
Pyne, Kathleen A.	Formative Moments in the Art and the Life of Georgia O'Keefe	National Endowment for the Humanities	\$40,000	9
Department or Office:	Arts and Letters Core Course			
Doering, Elizabeth J.	Simone Weil and the Specter Self-perpetuating Force	National Endowment for the Humanities	\$40,000	9
Department or Office:	Biological Sciences			
Hager, Kristin M.	Host-Parasite Interactions During Infection by Apicomplexan Parasites	National Institutes of Health	\$359,936	12
Hellmann, Jessica J.	Measurement of large-scale gene flow: a pathway to understanding adaptation and the genetics of climatic tolerance	California Energy Commission	\$75,000	12
Lamberti, Gary A. Lodge, David M. Kulpa, Charles F. Stadtherr, Mark A. Chaloner, Dominic T. Brennecke, Joan F.	Determining the Environmental Fate, Biodegradation, and Impacts on Aquatic Ecosystems of New Ionic Liquids prior to Widespread Industrial Use.	National Oceanic & Atmospheric Administration	\$475,900	12
Lodge, David M.	Challenge Cost Share Agreement between USDA Forest Service and UND	U.S. Forest Service	\$15,000	16

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
McDowell, Mary A. Collins, Frank H.	Anti-Sand Fly Saliva Vaccine Development	DARPA	\$2,799,999	36
McKee, Edward E.	Heart Mitochondrial Toxicity of Antiviral Nucleosides	Indiana University-School of Medicine	\$240,003	12
Severson, David W.	Genetic Strategies for Control of Dengue Virus Transmission	University of California-Irvine	\$42,436	12
Suckow, Mark A.	Enhancement of Research Animal Facilities at the University of Notre Dame	National Institutes of Health	\$546,815	12
Welsh, JoEllen J. Tenniswood, Martin	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	\$330,190	12
Welsh, JoEllen J.	UV Radiation and Breast Cancer	Department of Defense	\$450,000	48
Welsh, JoEllen J.	Role of Vitamin D Receptor Functional Domains in Breast Cancer Cell Growth Regulation	Department of Defense	\$90,000	24

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Chemical and Biomolecular Engineering			
Brennecke, Joan F. Maginn, Edward J. Paolucci, Samuel Sen, Mihir Stadtherr, Mark A.	Ionic Liquids for Utilization of Waste Heat from Distributed Power Systems	Department of Energy	\$1,546,498	12
Brennecke, Joan F.	Biphasic Pomegranate Cancer Chemopreventive Agent	University of Texas	\$88,500	12
Chang, Hsueh-Chia Chen, Zilin	Development of Novel Virus Capture Systems Using a Positively Charged Silica Matrix	Corporate Funding	\$23,254	6
McGinn, Paul J.	Combinatorial Development of Non-Noble Metal Catalysts for Diesel Soot Combustion	Private Foundation	\$120,000	44
Mukasyan, Alexander S.	Nano composite materials by novel chemically stimulated combustion method	Private Foundation	\$6,000	24
Ostafin, Agnes E.	Development of Biocompatible and Immunospecific nanoparticles	National Institutes of Health	\$150,000	12

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Wolf, Eduardo E.	A Copper Oxide Based Catalytic Cartridge for the Production of Hydrogen from Methanol for Small Fuel Cells	Private Foundation	\$61,000	12
Zhu, Yingxi E.	AC Electrokinetic Effect on Colloidal Aggregation and Self-Assembly	Private Foundation	\$35,000	24
Department or Office:	Chemistry and Biochemistry			
Basu, Subhash C.	A Targeted Approach to Breast Cancer Therapy	U.S. Army Research Institute	\$450,000	36
Helquist, Paul	Establish Research on Multiple Myeloma at Notre Dame	Private Donor	\$100,000	24
Jacobs, Dennis C.	Revised Experiments for AFOSR MISSE-6	Corporate Funding	\$15,000	36
Scheidt, W. Robert	X-Ray and Chemical Studies of Metalloporphyrins	National Institutes of Health	\$337,500	12
Department or Office:	Civil Engineering and Geological Sciences			
Neal, Clive R.	The Spatial Distribution of High-Alumina Mare Basalts on the Moon and Implications for Lunar Mantle Heterogeneity	National Aeronautics and Space Administration	\$95,728	24

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Neal, Clive R.	Components of Mantle Plumes: The Role of Subducted Oceanic Crust	National Science Foundation	\$176,256	24
Neal, Clive R.	The Geochemical Evolution of the Moon & Stars: A Crystal Stratigraphy Approach	National Aeronautics and Space Administration	\$366,408	48
Sakimoto, Susan E.	Creating Intelligent Digital Libraries with Visual Data Mining and Information Retrieval Features for Ed	DePaul University	\$37,903	24
Westerink, Joannes J.	Morphos-3D Long-wave Hydrodynamics Modeling	Corporate Funding	\$175,095	24
Westerink, Joannes J.	Chesapeake Bay Sediment Hydrodynamic Modeling	Corporate Funding	\$15,000	3
Westerink, Joannes J.	Wave and circulation modeling on unstructured grids	Department of Navy	\$452,908	48
Department or Office:	Computer Science & Engineering			
Izaguirre, Jesus A.	Advanced Cyberinfrastructure for Molecular Simulations	National Science Foundation	\$2,199,839	60
Thain, Douglas L.				

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Poellabauer, Christian Chawla, Nitesh V. Thain, Douglas L.	An Experimental Approach to Integrative Research For Sensor-Rich Collaborative Teams	National Science Foundation	\$942,558	36
Department or Office:	Electrical Engineering			
Laneman, J. N.	Tactical Infrasonic Networked Sensors (TINS)	DARPA	\$256,722	9
Merz, James L. Snider, Gregory L.	Electronic and Optical Studies of Self-Assembled Quantum Structure Arrays	University of Virginia	\$100,000	15
Department or Office:	English			
Delgadillo, Theresa A.	2005 Career Enhancement Fellowship for Junior Faculty	Private Foundation	\$31,500	12
Huk, Romana C.	Trying to say "God": In the Arc of Postmodern Theory, Theology and Poetry	National Endowment for the Humanities	\$40,000	9
Johnson-Roullier, Cyraina E.	Invisible Wo/Men: Literary Renaissance, Pan-Africanism and the Modern Representation of Race	National Endowment for the Humanities	\$40,000	12

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	George & Winifred Clark II (Chemistry)			
Miller, Marvin J.	New Theoretical and computational methods for studying electron and proton transfer	Private Foundation	\$50,000	60
Department or Office:	History			
Lyandres, Semion	In Search of Legitimacy: the Origins of the Russian Provisional Government and the Politics of the 1917 Revolution	National Endowment for the Humanities	\$40,000	9
Meserve, Margaret H.	A Renaissance of News: The Italian Market for Printed News and Information (1470-1527)	National Endowment for the Humanities	\$40,000	9
Department or Office:	Irish Language and Literature			
McKibben, Sarah E.	Contesting Masculinity: Gender, Colonialism and Sexuality in Early Modern Literature in Irish	National Endowment for the Humanities	\$40,000	9
Department or Office:	Mathematics			
Alber, Mark S. Izaguirre, Jesus A.	Development and Improvement of Tissue Simulation Toolkit	Indiana University Bloomington	\$111,810	12
Department or Office:	Physics			
Bennett, David P.	Resolved Images of LMC Microlensing Events Observed by a Telescope at 2 AU from Earth	Private Foundation	\$47,700	12

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Gibb, Erika L. Rettig, Terrence W.	Characterizing Volatile Composition in Preplanetary Disks	National Aeronautics and Space Administration	\$352,718	36
Mathews, Grant J. Afanasjevs, Anatolijs Frauendorf, Stefan G.	Nuclear Properties at Extreme Density, Temperature, Spin and Isospin	Department of Energy	\$138,000	12
Mathews, Grant J.	Relativistic Hydrodynamic Simulations of White-Dwarf/Black-Hole Encounters	National Aeronautics and Space Administration	\$146,553	24
Rettig, Terrence W. Gibb, Erika L.	Understanding the Evolution of Preplanetary Disks	National Aeronautics and Space Administration	\$222,858	36
Department or Office:	Program of Liberal Studies			
Goulding, Robert D.	Vision, optics and experimental traditions in the Renaissance	National Endowment for the Humanities	\$40,000	9
Department or Office:	Psychology			
Borkowski, John G. Whitman, Thomas L.	Research Training in Mental Retardation	National Institutes of Health	\$154,499	12
Borkowski, John G. Maxwell, Scott E. Whitman, Thomas L.	Precursors of Retardation in Children with Teen Mothers	National Institutes of Health	\$249,403	12

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Gibson, Bradley S.	Visual Attention and the Semantics of Space	National Institutes of Health	\$75,000	12
Narvaez, Darcia F.	Wisdom in Adulthood: Moral, Practical, and Specialized	National Institutes of Health	\$148,250	12
Radvansky, Gabriel A.	Cognitive Processes in Understanding and Remembering Information in Dynamic Situations	U.S. Army Research Institute	\$340,878	48
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	St. Joseph County Turn Around Program	South Bend Community School Corporation	\$1,198,773	12
Department or Office:	Romance Languages and Literatures			
Anadon, Jose	Gabriela Mistral: History of a Friendship	Private Foundation	\$30,000	12
Heller, Ben A.	"Translation and Hydridity: Latin American Intercultural Relations and the Question of Identity"	National Endowment for the Humanities	\$40,000	9
Ibsen, Kristine L.	Imperial Dreams: Literary and Artistic Representations of the Mexican Second Empire	Council International Exchange Scholars	\$20,050	5
Moevs, Christian R.	Petrarch and the Birth of the Modern Self	National Endowment for the Humanities	\$40,000	9

Proposals submitted during the period May-01-2005 to May-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Perry, Catherine	Figures of Vital Energy: Music and Dance in French Literature at the Turn of the Twentieth Century	National Endowment for the Humanities	\$40,000	9
Ryan-Scheutz, Colleen M.	Povere e Belle: Women and National Identity in Italian Cinema in the First Republic (1946-1991)	National Endowment for the Humanities	\$40,000	12
Department or Office:	Sociology			
Cardenas, Gilberto	Promoting Data-Based Research & Advocacy in Latino Communities	Private Foundation	\$100,000	10
Department or Office:	Theology			
Groody, Daniel G.	Dying to Live	Private Foundation	\$75,044	19
<u>Proposals for Instructional Programs</u>				
Department or Office:	Electrical Engineering			
Seabaugh, Alan C.	Student Travel Support for Department of Navy the Device Research Conference		\$5,000	4

Awards and Proposal Summary

Centers and Institutes Report

05/01/2005 to 05/31/2005

Awards Received

Department or Office	No.	Amount
Center for Microfluidics and Medical Diagnostics	1	\$48,000
Center for Social Concerns	1	\$20,000
Center for Transgene Research	2	\$2,150,337
Center for Tropical Disease Research & Training	2	\$970,470
Institute for Theoretical Sciences	1	\$18,900
Nano Science and Technology Center	1	\$30,000
Walther Cancer Research Center	1	\$138,105
Total:	9	\$3,375,812

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	5	\$907,829
Center for Children and Families	1	\$249,403
Center for Flow Physics and Control	2	\$3,109,600
Center for Microfluidics and Medical Diagnostics	1	\$23,254
Center for Molecularly Engineered Materials	2	\$156,000
Center for Tropical Disease Research & Training	3	\$3,202,371
Freimann Life Science Center	1	\$546,815
Institute for Latino Studies	2	\$175,044
Nano Science and Technology Center	2	\$105,000
Robinson Community Learning Center	1	\$1,198,773
Walther Cancer Research Center	1	\$100,000
Total:	21	\$9,774,089

Awards and Proposal Summary

Centers and Institutes Report

07/01/2004 to 05/31/2005

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Center for Applied Mathematics	1	\$302,729
Center for Astrophysics	4	\$167,000
Center for Children and Families	1	\$1,629,988
Center for Environmental Science and Technology	2	\$135,518
Center for Flow Physics and Control	18	\$1,780,831
Center for Microfluidics and Medical Diagnostics	3	\$209,997
Center for Molecularly Engineered Materials	3	\$466,649
Center for Social Concerns	1	\$20,000
Center for Transgene Research	6	\$2,608,962
Center for Tropical Disease Research & Training	13	\$6,628,575
Center for Zebrafish Research	5	\$720,891
Environmental Molecular Science Institute	1	\$1,000,000
Environmental Research Center	2	\$431,265
Freimann Life Science Center	5	\$28,371
Institute for Church Life	1	\$80,000
Institute for Educational Initiatives	2	\$85,500
Institute for Latino Studies	17	\$1,724,380
Institute for Theoretical Sciences	1	\$18,900
Interdisciplinary Center for the Study of Biocomplexity	1	\$160,160
Jacques Maritain Center	1	\$25,000
Kellogg Institute for International Studies	4	\$560,094
Kroc Institute for International Peace Studies	3	\$354,657
Nano Science and Technology Center	22	\$4,302,101
Nanovic Institute	1	\$121,927
Nuclear Structure Laboratory	2	\$2,055,080
Office of the Provost	1	\$3,000,000
Radiation Laboratory	6	\$7,253,645
South Bend Center for Medical Education	2	\$263,836
TRIO Programs	1	\$401,643
Walther Cancer Research Center	5	\$1,155,210
Total:	136	\$37,758,509

Proposals Submitted

Department or Office	No.	Amount
Alliance for Catholic Education	1	\$155,000
Center for Astrophysics	15	\$2,917,876
Center for Children and Families	5	\$2,650,490
Center for Environmental Science and Technology	1	\$530,837
Center for Flow Physics and Control	24	\$9,661,638
Center for Microfluidics and Medical Diagnostics	5	\$846,028
Center for Molecularly Engineered Materials	8	\$1,829,814
Center for Social Concerns	3	\$88,500
Center for Transgene Research	12	\$4,183,437
Center for Tropical Disease Research & Training	22	\$17,273,349
Center for Zebrafish Research	8	\$2,030,205
Environmental Molecular Science Institute	1	\$197,225
Environmental Research Center	4	\$341,486
Freimann Life Science Center	9	\$1,318,021
Institute for Church Life	6	\$81,474
Institute for Educational Initiatives	5	\$211,704
Institute for Latino Studies	30	\$3,203,667
Institute for Theoretical Sciences	1	\$18,900
Joint Institute for Nuclear Astrophysics	1	\$321,147
Kellogg Institute for International Studies	3	\$798,129
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	4	\$2,163,224
Lobund Laboratory	1	\$16,500
Nano Science and Technology Center	62	\$36,701,549
Nuclear Structure Laboratory	1	\$5,038,680
Radiation Laboratory	9	\$2,886,924
Reilly Center for Science, Technology and Values	1	\$37,500
Robinson Community Learning Center	4	\$1,503,720
Walther Cancer Research Center	17	\$4,935,448
Total:	264	\$101,982,472

Awards received during the period May-01-2005 to May-31-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia Sengupta, Shramik (Center or Institute)	Microfluidic Analytical Separator for Proteomics	Corporate Funding	\$48,000	006493-001
Department or Office:	Center for Social Concerns			
Miller, Douglas A. (Center or Institute)	Application of XRF Spectrophotometry in a Chemistry Based Service Course	Private Foundation	\$20,000	006489-001
Department or Office:	Center for Transgene Research			
Castellino, Francis J. (Center or Institute)	Pathophysiology Involving Hemostasis-Related Genes	National Institutes of Health	\$1,775,337	006236-001
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	\$375,000	005142-001
Department or Office:	Center for Tropical Disease Research & Training			
Fraser, Malcolm J (Center or Institute)	Transgenic Engineering of Aedine Mosquitoes Using the PiggyBac Transposon	National Institutes of Health	\$428,700	005325-001
Besansky, Nora J. (Center or Institute)	Ecological Genomics of Anopheles gambiae	National Institutes of Health	\$541,770	006485-001
Department or Office:	Institute for Theoretical Sciences			
Janko, Boldizsar (Center or Institute)	Institute for Theoretical Sciences Staff	Argonne National Laboratory	\$18,900	006484-001
Department or Office:	Nano Science and Technology Center			
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. (Center or Institute)	Multispectral Nanoantenna Infrared Sensors	Corporate Funding	\$30,000	006455-001

Awards received during the period May-01-2005 to May-31-2005**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Walther Cancer Research Center				
Smith, Bradley D. (Center or Institute)	Measuring the Efficacy of Anticancer Drugs in Early Stages of Treatment	Corporate Funding	\$138,105	006018-001

Proposals submitted during the period May-01-2005 to May-31-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Astrophysics			
Mathews, Grant J.	Nuclear Properties at	Department of Energy	\$138,000	05110689
Afanasjevs, Anatolijs	Extreme Density,			
Frauendorf, Stefan G.	Temperature, Spin and			
	Isospin			
Gibb, Erika L.	Characterizing Volatile	National Aeronautics and	\$352,718	05110724
Rettig, Terrence W.	Composition in	Space Administration		
	Preplanetary Disks			
Bennett, David P.	Resolved Images of LMC	Private Foundation	\$47,700	05110729
	Microlensing Events			
	Observed by a Telescope			
	at 2 AU from Earth			
Mathews, Grant J.	Relativistic Hydrodynamic	National Aeronautics and	\$146,553	05110739
	Simulations of	Space Administration		
	White-Dwarf/Black-Hole			
	Encounters			
Rettig, Terrence W.	Understanding the	National Aeronautics and	\$222,858	05110737
Gibb, Erika L.	Evolution of Preplanetary	Space Administration		
	Disks			
Department or Office:	Center for Children and Families			
Borkowski, John G.	Precursors of Retardation	National Institutes of Health	\$249,403	05110751
Maxwell, Scott E.	in Children with Teen			
Whitman, Thomas L.	Mothers			
Department or Office:	Center for Flow Physics and Control			
Atassi, Hafiz M.	Hydrodynamics and	Department of Navy	\$50,000	05110705
	Acoustics of Rotor			
	Blades in Nonuniform			
	Inflow Conditions			

Proposals submitted during the period May-01-2005 to May-31-2005**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Corke, Thomas C. Fay, Patrick J. Thomas, Flint O. Renaud, John E. Roeder, Ryan K. Seabaugh, Alan C. Nelson, Robert C.	Integrated Plasma Generating Structures: SDBD Plasma Flow Control	Princeton University	\$3,059,600	05110719
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia Chen, Zilin	Development of Novel Virus Capture Systems Using a Positively Charged Silica Matrix	Corporate Funding	\$23,254	05110718
Department or Office:	Center for Molecularly Engineered Materials			
Mukasyan, Alexander S.	Nano composite materials by novel chemically stimulated combustion method	Private Foundation	\$6,000	05110715
Ostafin, Agnes E.	Development of Biocompatible and Immunospecific nanoparticles	National Institutes of Health	\$150,000	05110746
Department or Office:	Center for Tropical Disease Research & Training			
McDowell, Mary A. Collins, Frank H.	Anti-Sand Fly Saliva Vaccine Development	DARPA	\$2,799,999	05110730
Hager, Kristin M.	Host-Parasite Interactions During Infection by Apicomplexan Parasites	National Institutes of Health	\$359,936	05110744

Proposals submitted during the period May-01-2005 to May-31-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Severson, David W.	Genetic Strategies for Control of Dengue Virus Transmission	University of California-Irvine	\$42,436	05110742
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Enhancement of Research Animal Facilities at the University of Notre Dame	National Institutes of Health	\$546,815	05110740
Department or Office:	Institute for Latino Studies			
Groody, Daniel G.	Dying to Live	Private Foundation	\$75,044	05110733
Cardenas, Gilberto	Promoting Data-Based Research & Advocacy in Latino Communities	Private Foundation	\$100,000	05110736
Department or Office:	Nano Science and Technology Center			
Merz, James L.	Electronic and Optical Studies of Self-Assembled Quantum Structure Arrays	University of Virginia	\$100,000	05110738
Snider, Gregory L.				
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	St. Joseph County Turn Around Program	South Bend Community School Corporation	\$1,198,773	05110732
Department or Office:	Walther Cancer Research Center			
Helquist, Paul	Establish Research on Multiple Myeloma at Notre Dame	Private Donor	\$100,000	05110749

Proposals submitted during the period May-01-2005 to May-31-2005**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Instructional Programs</u>				
Department or Office:	Nano Science and Technology Center			
Seabaugh, Alan C.	Student Travel Support for Department of Navy the Device Research Conference		\$5,000	05110710

Awards and Proposal Summary

06/01/2005 to 06/30/2005

Awards Received

Category	No.	Amount
Research	69	\$15,204,288
Instructional Programs	6	\$678,076
Total:	75	\$15,882,364

Proposals Submitted

Category	No.	Amount
Research	42	\$13,047,278
Total:	42	\$13,047,278

June 2005 Cumulative summary

Awards Received

	07.01.2002 - 06.30.2003		07.01.2003 - 06.30.2004		07.01.2004 - 06.30.2005	
Category	No.	Amount	No.	Amount	No.	Amount
Research	389	\$69,047,363	410	\$70,630,050	392	\$79,656,183
Facilities and Equipment			1	\$349		
Instructional Programs	10	\$1,333,710	12	\$2,307,650	9	\$1,123,719
Other Programs			1	\$62,500		
Service Programs						
Total:	399	\$70,381,073	424	\$73,000,549	401	\$80,779,902

Proposals Submitted

	07.01.2002 - 06.30.2003		07.01.2003 - 06.30.2004		07.01.2004 - 06.30.2005	
Category	No.	Amount	No.	Amount	No.	Amount
Research	580	\$162,589,781	733	\$272,409,557	770	\$220,180,405
Facilities and Equipment						
Instructional Programs	10	\$3,361,578	12	\$3,826,762	19	\$3,384,304
Other Programs						
Service Programs						
Total:	590	\$165,951,359	745	\$276,236,319	789	\$223,564,709

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	ACE Educational Outreach			
Johnstone, Joyce V.	ACE School Leadership Program Mentor Initiative	Private Foundation	\$8,500	12
Department or Office:	Aerospace and Mechanical Engineering			
Cavalieri, David (Center or Institute)	Educational Training of Purdue University a New L-Band Station		\$5,000	5
Powers, Joseph M Paolucci, Samuel (Center or Institute)	Multiscale Modeling of Los Alamos National Combustion of Laboratory Energetic Materials		\$18,215	24
Renaud, John E	Managing Uncertainty in Bilevel Robust Design Optimization	National Science Foundation	\$7,000	48
Renaud, John E	Managing Uncertainty in Bilevel Robust Design Optimization	National Science Foundation	\$12,000	48
Department or Office:	Anthropology			
Schurr, Mark R.	Public Archaeology at Collier Lodge	Indiana Department of Natural Resources	\$9,075	14
Department or Office:	Biological Sciences			
Adams, John H. (Center or Institute)	Molecular Analysis of Apical Organelles of Plasmodium	National Institutes of Health	\$356,250	56
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	\$60,000	24
Besansky, Nora J (Center or Institute)	Genetics of Anopheles Funestus Populations	National Institutes of Health	\$467,458	24

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Fraser, Malcolm J. (Center or Institute)	Developing Coupled Trangenic Ribozyme and Insecticide Resistance Approaches to Establishing Dengue Virus Refractoriness in Natural Populations	National Institutes of Health	\$2,496,706	60
Lamberti, Gary A.	The Toxicity of ionic liquids to a vascular plant (Lemna Minor) in the presence of dissolved organic matter	Private Foundation	\$2,307	7
Li, Lei (Center or Institute)	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$259,875	12
Lodge, David M. Lamberti, Gary A.	Ecological Forecasting	National Science Foundation	\$589,380	48
McKee, Edward E.	Mitochondrial toxicity of antiviral nucleoside analogs with relation to deoxynucleoside salvage pathway	Private Foundation	\$52,000	24
Olson, Kenneth R. (Center or Institute)	Physiology of Trout Natriuretic Peptides	I.U. School Medicine	\$97,198	37
Severson, David W.	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$628,873	60
Suckow, Mark A. (Center or Institute)	Subcontract with Indiana University School of Medicine	Indiana University School of Medicine-N.W. Center	\$104,264	12
Welsh, JoEllen J. Tenniswood, Martin	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	\$330,190	36

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Welsh, JoEllen J. Tenniswood, Martin	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	\$286,875	10
Department or Office: Center for Pastoral Liturgy				
Kroeker, Charlotte (Center or Institute)	J.S. Bach Festival	Private Foundation	\$3,000	10
Department or Office: Chemical Engineering				
Ostafin, Agnes E. McCready, Mark J. Palmer, Andre F. (Center or Institute) Brockman, Jay B.	Towards a New Chemical and Biomolecular Engineering Curriculum	National Science Foundation	\$12,000	48
Department or Office: Chemical and Biomolecular Engineering				
Brennecke, Joan F.	Graduate Student Travel Grant: Council for Chemical Research Annual Meeting 2005	National Science Foundation	\$20,740	12
Chang, Hsueh-Chia Chen, Zilin (Center or Institute)	Development of Novel Virus Capture Systems Using a Positively Charged Silica Matrix	Corporate Funding	\$23,254	5
Department or Office: Chemistry and Biochemistry				
Castellino, Francis J. (Center or Institute)	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$375,000	60
Clark, Patricia L.	CAREER: Conformations of Beta-Sheet Folding Intermediates: The Discrimination Between Productive Folding and Aggregation	National Science Foundation	\$7,125	60

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Henderson, Kenneth W.	Application of s-Block Molecular Aggregates in the Controlled Assembly of Solid-State Materials	Private Foundation	\$80,000	25
Lieberman, Marya Porod, Wolfgang (Center or Institute)	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	\$20,000	36
Miller, Marvin J.	Consulting Program for 2005	Private Funding	\$30,000	12
Mobashery, Shahriar	Novel Approach for Inhibition of the MT1-Gelatinase Axis in Cancer Invasion	Wayne State University	\$227,264	36
Serianni, Anthony S.	Glucose Modification of Proteins in Diabetic Nephropathy	Vanderbilt University	\$35,200	12
Smith, Bradley Dennis	Rationally Designed Promoters & Inhibitors of Membrane Fusion	National Institutes of Health	\$267,300	24
Department or Office:	Civil Engineering and Geological Sciences			
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A. (Center or Institute)	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,000,000	60
Neal, Clive R.	Evolution of the Kerguelen LIP: Insights from Crystal Stratigraphy & Crystal Size Distributions from SITE 1137, Elan Bank	National Science Foundation	\$107,332	24
Nerenberg, Robert Tank, Jennifer L.	Nitrogen Removal from Headwater Streams Using Elemental Sulfur	University of New Hampshire	\$23,796	12

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Westerink, Joannes J.	ADCIRC-CZMS-Coastal Zone Modeling Systems for Circulation, Transport and Morphology: Development and Applications	U.S. Army Corps of Engineers	\$110,000	36
Department or Office: Computer Science & Engineering				
Chen, Danny Z.	Computational Geometry Algorithms for Medical Problems in Radiation Therapy and Medical Imaging	National Science Foundation	\$92,503	36
Hu, Xiaobo Lemmon, Michael D.	Flexible Scheduling in Real-Time Control Systems with Uncertainty	National Science Foundation	\$181,916	36
Poellabauer, Christian Striegel, Aaron	IXP-Based Transparent Bandwidth Conversation for Wireless Clients	Corporate Funding	\$25,300	12
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	\$12,000	48
Striegel, Aaron	Sun Academic Excellence Grant (AEG)	Corporate Funding	\$58,690	12
Department or Office: Electrical Engineering				
Bernstein, Gary H. Fay, Patrick J. Snider, Gregory L. (Center or Institute)	Quilt Packaging: A New Paradigm for the Integration of Heterogeneous Communications Systems-In-Package	National Science Foundation	\$275,822	12

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Laneman, J. N. Costello, Daniel J. Fuja, Thomas E. Haenggi, Martin	Delay-Constrained Multihop Transmission in Wireless Networks: Interaction of Coding, Channel Access, and Routing	National Science Foundation	\$484,710	36
Porod, Wolfgang Bernstein, Gary H. Brockman, Jay B. (Center or Institute)	NUE: A Freshman-Level Introduction to Nanotechnology Based on Scanning-Probe Instruments	National Science Foundation	\$12,000	30
Tabuada, Paulo	Formal Methods for Control and Real-Time Scheduling Co-Design	National Science Foundation	\$210,000	36
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	\$40,833	36
Department or Office: English				
Staud, John J. (Center or Institute)	ACE-Securing the Future of Catholic Schools	Private Foundation	\$40,000	12
Department or Office: History				
Osborn, Emily L.	Melting Cans and Recycling Traditions: Aluminum, Artisan Production and Global Commodity Chains in West Africa	Department of Education	\$74,451	18
Department or Office: Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	Chicago Latino Congregational Study	Private Foundation	\$15,000	14
Department or Office: Mathematics				
Gursky, Matthew J.	Fully Nonlinear and Higher Order Equations in Geometry	National Science Foundation	\$96,000	36

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Liu, Xiaobo	Gromov-Witten Invariants, Moduli Spaces and Curves, and Integrable Systems	National Science Foundation	\$121,900	36
Stolz, Stephan A	Curvature and Topology	National Science Foundation	\$72,860	60
Department or Office: Music				
Youens, Susan L.	Heinrich Heine and Song	National Endowment for the Humanities	\$40,000	12
Department or Office: Office of the Provost				
Walvoord, Barbara E. (Center or Institute)	Teaching Introductory Theology and Religion: Disseminating the Lessons from the Practices of Fifty Outstanding Teachers	Private Foundation	\$69,994	8
Department or Office: Physics				
Aprahamian, Ani Wiescher, Michael C. Collon, Philippe A. (Center or Institute) Garg, Umesh	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,100,000	36
Bennett, David P. (Center or Institute)	A Search for Extra-Solar Planets with a Global Microlensing Follow-up Network	National Aeronautics and Space Administration	\$150,000	36
Dobrowolska-Furdyna, Malgorzata Furdyna, Jacek K.	Electron Spin Effects in Semiconductor Nanostructures	National Science Foundation	\$110,384	24
Garnavich, Peter M.	Gamma-Ray Burst Physics in the Spitzer/Swift Era	NASA Jet Propulsion Lab	\$74,380	26

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Janko, Boldizsar Furdyna, Jacek K. Dobrowolska-Furdyna, Malgorzata	NIRT: Formation and Properties of Spin-Polarized Quantum Dots in Magnetic Semiconductors by Controlled Variation of Magnetic Fields on the Nanoscale	National Science Foundation	\$250,000	48
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin Afanasjevs, Anatolijs (Center or Institute)	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$138,000	24
Wayne, Mitchell R. Cason, Neal M. Hildreth, Michael D. Goussiou, Anna Ruchti, Randal C.	Research in Collider Physics	National Science Foundation	\$545,000	36
Department or Office: Political Science				
Philpott, James D.	The Ethics of Political Reconciliation	Harvard University	\$36,050	11
Department or Office: Program of Liberal Studies				
Turner, Julianne C. (Center or Institute)	Fostering Student Motivation in the Mathematics Classroom: A Collaborative Project with Teachers	Private Foundation	\$39,725	12

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Borkowski, John G McKenna, James J. Maxwell, Scott E. Boker, Steven M. LeClere, Felicia B. (Center or Institute)	Predicting and Preventing Neglect in Teen Mothers	National Institutes of Health	\$1,092,452	36
Borkowski, John Gregg Maxwell, Scott E. Whitman, Thomas Lee (Center or Institute)	Precursors of Retardation in Children with Teen Mothers	National Institutes of Health	\$249,404	24
Cummings, E. M. Maxwell, Scott E. Darby, John	Children and Political Violence in Northern Ireland	National Institutes of Health	\$269,714	48
Radvansky, Gabriel A.	Engineering a Transformatin of Human-Machine Interaction to An Augmented Cognitive Relationship	Sandia National Laboratory	\$36,973	39
Department or Office: Romance Languages and Literatures				
Ibsen, Kristine L.	Imperial Dreams: Literary and Artistic Representations of the Mexican Second Empire	Council International Exchange Scholars	\$20,050	5
Department or Office: Sociology				
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Hispanic Housing in the United States	Corporate Funding	\$35,000	8
Cardenas, Gilberto	MacNeal Health Foundation Grant Agreement	Private Foundation	\$1,000,000	73

Awards received during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Instructional Programs</u>				
Department or Office:	Center for Social Concerns			
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	The National Youth Sports Program Fund	\$7,308	12
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	The National Youth Sports Program Fund	\$68,500	12
Department or Office:	Electrical Engineering			
Seabaugh, Alan C. (Center or Institute)	Student Travel Support for the Device Research Conference	Department of Navy	\$5,000	12
Department or Office:	English			
Staud, John J. (Center or Institute)	University of Notre Dame-ACE Program	Corporation for National & Community Service	\$155,000	36
Department or Office:	University Libraries			
Warner, Joni E.	Engage Student Learning of Information Seeking Skills	Indiana State Library	\$5,000	14
Department or Office:	Upward Bound			
Coates, Alyssia J. (Center or Institute)	Upward Bound Program	Department of Education	\$437,268	36

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Incropera, Frank P.	Notre Dame	Department of Energy	\$964,000	12
Cunningham, Robert J.	Multidiscipline Engineering Center			
Roeder, Ryan K.	Age Related Changes in	National Institutes of Health	\$273,313	12
Renaud, John E.	Extracellular Matrix Organization and Bone Quality			
Department or Office:	Biological Sciences			
Hager, Kristin M.	Functional Genomics	National Institutes of Health	\$150,000	12
Fraser, Malcolm J.	Analysis of Toxoplasma			
Adams, John H.	gondii			
O'Tousa, Joseph E.	Genetic Analysis of	National Institutes of Health	\$375,000	12
	Retinal Degeneration			
Olson, Kenneth R.	Hydrogen Sulfide:	Indiana University-School of	\$117,800	12
	Oxygen	Medicine		
	Sensor/Transducer in			
	Hypoxic Pulmonary			
	Vasoconstriction			
Department or Office:	Chemical and Biomolecular Engineering			
Ostafin, Agnes E.	Interaction of HbS with	National Institutes of Health	\$236,241	12
	cytoskeleton and			
	membrane proteins			
Palmer, Andre F.	Hydrogel based oxygen	National Institutes of Health	\$225,000	12
	carriers			
Schneider, William F.	University Computational	Carnegie Mellon University	\$68,500	12
	Materials Consortium			

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Chemistry and Biochemistry				
Goodson, Holly V.	Interactions between CLIP-170 and Tubulin	National Institutes of Health	\$259,875	12
Helquist, Paul	Exploring the Mechanism of HMG-CoA Reductase with Time Resolved Laue Diffraction	Purdue University	\$16,996	14
Lieberman, Marya	Systolic Circuits for QCA	National Science Foundation	\$469,170	36
Peng, Jeffrey W.	Flexibility Activity Relationships in WW Domains	National Institutes of Health	\$285,844	12
Taylor, Richard E.	Polyketides: Synthetic and Biological Studies	National Institutes of Health	\$262,500	12
Taylor, Richard E.	Conformation - Activity Relationships	National Institutes of Health	\$375,000	12
Department or Office: Civil Engineering and Geological Sciences				
Westerink, Joannes J.	DynaCode: Framework for Dynamic, Data-Driven Applications in the Environmental Sciences	Louisiana State University	\$434,903	36
Woertz, Jennifer R.	Healthy Homes and Lead Hazard Control Programs: Using Ozone to Disinfect Hidden Mold and Reduce Exposure During Remediation	Humbolt State University	\$167,113	36

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Computer Science & Engineering			
Chawla, Nitesh V. Poellabauer, Christian	DDDAS-SMRP: Dynamic Data-Driven Modeling and Management of Retail Portfolios	National Science Foundation	\$518,715	36
Chen, Danny Z.	Graph-Based Medical Image Segmentation in 3D and 4D	University of Iowa	\$108,266	12
Poellabauer, Christian Striegel, Aaron	An Architecture for the Exploration of Self-Managing Resource Control Policies on the "Last Mile"	National Science Foundation	\$458,527	36
Department or Office:	Electrical Engineering			
Fay, Patrick J.	GaAsSb/InP DHBT's for RFID Applications	Corporate Funding	\$32,963	6
Department or Office:	English			
Staud, John J.	ACE-Securing the Future of Catholic Schools	Private Foundation	\$40,000	12
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I.	Network of Faith Chicago Cohort	Private Foundation	\$70,000	24
Department or Office:	Mathematics			
Alber, Mark S.	Integrative modeling and experiment on cellular aggregation: from individual myxobacterial cells to multicellular quiting bodies	National Science Foundation	\$627,246	60

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Office of Information Technologies			
Wishon, Gordon D. Kogge, Peter M. Latimer, Dewitt A.	Northwest Indiana Computational Grid (NWIC-Grid)	Department of Energy	\$578,400	12
Department or Office:	Physics			
Balsara, Dinshaw S.	Improving Our Understanding of the Turbulent, Multiphase Interstellar Medium	National Aeronautics and Space Administration	\$320,753	36
Barabasi, Albert-Laszlo Madey, Gregory R.	DDDAS-SMRP-Integrated Wireless Phone Based Emergency Response System (WIPER)	National Science Foundation	\$599,363	36
Barabasi, Albert-Laszlo	Antibiotic Target Identification Through Networks Biology	University of Pittsburgh	\$584,923	48
Barabasi, Albert-Laszlo	Development of the Virtual Tumor	Corporate Funding	\$22,256	12
Garnavich, Peter M.	Gamma-Ray Burst Physics in the Spitzer/Swift Era	National Aeronautics and Space Administration	\$74,830	36
Garnavich, Peter M.	Testing the Preposterous Universe with Infrared Supernovae	National Aeronautics and Space Administration	\$69,174	36

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Goussiou, Anna	Search for the Higgs Boson in the H \rightarrow (τ) τ mode at Hadron Colliders	National Science Foundation	\$525,774	60
Mathews, Grant J. Garnavich, Peter M. Rettig, Terrence W.	Unraveling the Mystery of KH15D	National Aeronautics and Space Administration	\$190,770	36
Wayne, Mitchell R.	Scintillator Based Muon System R & D for a Linear Collider	University of Oregon	\$13,500	36
Department or Office:	Political Science			
Hero, Rodney E. Hui, Tin-bor V.	Toward a Confucian-Kantian Synthesis of the Liberal Peace	Private Foundation	\$60,000	12
Lieber, Keir A.	U.S. Nuclear Policy: Departure from Deterrence?	Private Foundation	\$60,000	12
Department or Office:	Psychology			
Borkowski, John G. Maxwell, Scott E.	Preventing Child Neglect in High-Risk Mothers	National Institutes of Health	\$266,425	12
Borkowski, John G. Maxwell, Scott E.	Preventing Child Neglect in High Risk Mothers	National Institutes of Health	\$1,662,590	12

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Investigator(s)	Title	Sponsor	Dollars	Months
Ong, Anthony West, Robert L. Bergeman, Cindy S.	Stress, Resilience, and Working Memory in Later Life	National Institutes of Health	\$206,948	12
Radvansky, Gabriel A. Narvaez, Darcia F.	Moral Comprehension and Memory with Natural Aging	National Institutes of Health	\$225,000	12
Department or Office:	Sociology			
Carbonaro, William J.	Long term consequences of preschool learning opportunities on student achievement	National Institutes of Health	\$75,000	12
Cardenas, Gilberto Hernández, Edwin I.	Latino Chicago Capacity Project: A Proposal for Capacity Building Funding	Administration for Children & Families	\$971,600	17
Department or Office:	University Libraries			
Lehman, Thomas E.	Thomson ISI/ASIS & T Citation Analysis Research Grant	Private Foundation	\$3,000	8

Awards and Proposal Summary

Centers and Institutes Report

06/01/2005 to 06/30/2005

Awards Received

Department or Office	No.	Amount
Alliance for Catholic Education	2	\$195,000
Center for Astrophysics	2	\$288,000
Center for Children and Families	2	\$1,341,856
Center for Flow Physics and Control	2	\$23,215
Center for Microfluidics and Medical Diagnostics	1	\$23,254
Center for Molecularly Engineered Materials	1	\$12,000
Center for Social Concerns	2	\$75,808
Center for Transgene Research	1	\$375,000
Center for Tropical Disease Research & Training	3	\$3,320,414
Center for Zebrafish Research	1	\$259,875
Environmental Molecular Science Institute	1	\$1,000,000
Environmental Research Center	1	\$60,000
Freimann Life Science Center	1	\$104,264
Institute for Church Life	1	\$3,000
Institute for Educational Initiatives	2	\$109,719
Institute for Latino Studies	2	\$50,000
Nano Science and Technology Center	5	\$353,655
Nuclear Structure Laboratory	1	\$1,100,000
South Bend Center for Medical Education	1	\$97,198
TRIO Programs	1	\$437,268
Total:	33	\$9,229,526

Proposals Submitted

Department or Office	No.	Amount
Alliance for Catholic Education	1	\$40,000
Center for Astrophysics	4	\$655,527
Center for Children and Families	2	\$1,929,015
Center for Educational Opportunity	1	\$75,000
Center for Molecularly Engineered Materials	1	\$236,241
Center for Tropical Disease Research & Training	1	\$150,000
Institute for Latino Studies	2	\$1,041,600
Nano Science and Technology Center	2	\$502,133
Walther Cancer Research Center	2	\$637,500
Total:	16	\$5,267,016

Awards and Proposal Summary

Centers and Institutes Report

07/01/2004 to 06/30/2005

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Alliance for Catholic Education	2	\$195,000
Center for Applied Mathematics	1	\$302,729
Center for Astrophysics	6	\$455,000
Center for Children and Families	3	\$2,971,844
Center for Environmental Science and Technology	2	\$135,518
Center for Flow Physics and Control	20	\$1,804,046
Center for Microfluidics and Medical Diagnostics	4	\$233,251
Center for Molecularly Engineered Materials	4	\$478,649
Center for Social Concerns	3	\$95,808
Center for Transgene Research	7	\$2,983,962
Center for Tropical Disease Research & Training	16	\$9,948,989
Center for Zebrafish Research	6	\$980,766
Environmental Molecular Science Institute	2	\$2,000,000
Environmental Research Center	3	\$491,265
Freimann Life Science Center	6	\$132,635
Institute for Church Life	2	\$83,000
Institute for Educational Initiatives	4	\$195,219
Institute for Latino Studies	19	\$1,774,380
Institute for Theoretical Sciences	1	\$18,900
Interdisciplinary Center for the Study of Biocomplexity	1	\$160,160
Jacques Maritain Center	1	\$25,000
Kellogg Institute for International Studies	4	\$560,094
Kroc Institute for International Peace Studies	3	\$354,657
Nano Science and Technology Center	27	\$4,655,756
Nanovic Institute	1	\$121,927
Nuclear Structure Laboratory	3	\$3,155,080
Office of the Provost	1	\$3,000,000
Radiation Laboratory	6	\$7,253,645
South Bend Center for Medical Education	3	\$361,034
TRIO Programs	2	\$838,911
Walther Cancer Research Center	5	\$1,155,210
Total:	169	\$46,988,035

Proposals Submitted

Department or Office	No.	Amount
Alliance for Catholic Education	2	\$195,000
Center for Astrophysics	19	\$3,573,403
Center for Children and Families	7	\$4,579,505
Center for Educational Opportunity	1	\$75,000
Center for Environmental Science and Technology	1	\$530,837
Center for Flow Physics and Control	24	\$9,661,638
Center for Microfluidics and Medical Diagnostics	5	\$846,028
Center for Molecularly Engineered Materials	9	\$2,066,055
Center for Social Concerns	3	\$88,500
Center for Transgene Research	12	\$4,183,437
Center for Tropical Disease Research & Training	23	\$17,423,349
Center for Zebrafish Research	8	\$2,030,205
Environmental Molecular Science Institute	1	\$197,225
Environmental Research Center	4	\$341,486
Freimann Life Science Center	9	\$1,318,021
Institute for Church Life	6	\$81,474
Institute for Educational Initiatives	5	\$211,704
Institute for Latino Studies	32	\$4,245,267
Institute for Theoretical Sciences	1	\$18,900
Joint Institute for Nuclear Astrophysics	1	\$321,147
Kellogg Institute for International Studies	3	\$798,129
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	4	\$2,163,224
Lobund Laboratory	1	\$16,500
Nano Science and Technology Center	64	\$37,203,682
Nuclear Structure Laboratory	1	\$5,038,680
Radiation Laboratory	9	\$2,886,924
Reilly Center for Science, Technology and Values	1	\$37,500
Robinson Community Learning Center	4	\$1,503,720
Walther Cancer Research Center	19	\$5,572,948
Total:	280	\$107,249,488

Awards received during the period Jun-01-2005 to Jun-30-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Alliance for Catholic Education				
Staud, John J. (Center or Institute)	ACE-Securing the Future of Catholic Schools	Private Foundation	\$40,000	006537-001
Department or Office: Center for Astrophysics				
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin Afanasjevs, Anatolijs (Center or Institute)	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$138,000	004518-001
Bennett, David P. (Center or Institute)	A Search for Extra-Solar Planets with a Global Microlensing Follow-up Network	National Aeronautics and Space Administration	\$150,000	005989-001
Department or Office: Center for Children and Families				
Borkowski, John G McKenna, James J. Maxwell, Scott E. Boker, Steven M. LeClere, Felicia B. (Center or Institute)	Predicting and Preventing Neglect in Teen Mothers	National Institutes of Health	\$1,092,452	005611-001
Borkowski, John Gregg Maxwell, Scott E. Whitman, Thomas Lee (Center or Institute)	Precursors of Retardation in Children Health with Teen Mothers	National Institutes of	\$249,404	000484-001
Department or Office: Center for Flow Physics and Control				
Powers, Joseph M Paolucci, Samuel (Center or Institute)	Multiscale Modeling of Combustion of Energetic Materials	Los Alamos National Laboratory	\$18,215	005711-001

Awards received during the period Jun-01-2005 to Jun-30-2005**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Cavalieri, David (Center or Institute)	Educational Training of Purdue University a New L-Band Station		\$5,000	006524-001
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia Chen, Zilin (Center or Institute)	Development of Novel Virus Capture Systems Using a Positively Charged Silica Matrix	Corporate Funding	\$23,254	006497-001
Department or Office:	Center for Molecularly Engineered Materials			
Ostafin, Agnes E. McCready, Mark J. Palmer, Andre F. (Center or Institute) Brockman, Jay B.	Towards a New Chemical and Biomolecular Engineering Curriculum	National Science Foundation	\$12,000	005857-001
Department or Office:	Center for Transgene Research			
Castellino, Francis J. (Center or Institute)	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$375,000	006530-001
Department or Office:	Center for Tropical Disease Research & Training			
Besansky, Nora J (Center or Institute)	Genetics of Anopheles Funestus Populations	National Institutes of Health	\$467,458	005496-001
Adams, John H. (Center or Institute)	Molecular Analysis of Apical Organelles of Plasmodium	National Institutes of Health	\$356,250	006526-001
Fraser, Malcolm J. (Center or Institute)	Developing Coupled Transgenic Ribozyme and Insecticide Resistance Approaches to Establishing Dengue Virus Refractoriness in Natural Populations	National Institutes of Health	\$2,496,706	006536-001

Awards received during the period Jun-01-2005 to Jun-30-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Center for Zebrafish Research				
Li, Lei (Center or Institute)	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$259,875	006161-001
Department or Office: Environmental Molecular Science Institute				
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A. (Center or Institute)	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,000,000	005902-001
Department or Office: Environmental Research Center				
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	\$60,000	006340-001
Department or Office: Freimann Life Science Center				
Suckow, Mark A. (Center or Institute)	Subcontract with Indiana University School of Medicine	Indiana University School of Medicine-N.W. Center	\$104,264	006513-001
Department or Office: Institute for Church Life				
Kroeker, Charlotte (Center or Institute)	J.S. Bach Festival	Private Foundation	\$3,000	006506-001
Department or Office: Institute for Educational Initiatives				
Turner, Julianne C. (Center or Institute)	Fostering Student Motivation in the Mathematics Classroom: A Collaborative Project with Teachers	Private Foundation	\$39,725	006496-001
Walvoord, Barbara E. (Center or Institute)	Teaching Introductory Theology and Religion: Disseminating the Lessons from the Practices of Fifty Outstanding Teachers	Private Foundation	\$69,994	006512-001

Awards received during the period Jun-01-2005 to Jun-30-2005**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	Chicago Latino Congregational Study	Private Foundation	\$15,000	006502-001
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Hispanic Housing in the United States	Corporate Funding	\$35,000	006533-001
Department or Office: Nano Science and Technology Center				
Porod, Wolfgang Bernstein, Gary H. Brockman, Jay B. (Center or Institute)	NUE: A Freshman-Level Introduction to Nanotechnology Based on Scanning-Probe Instruments	National Science Foundation	\$12,000	006048-001
Lieberman, Marya Porod, Wolfgang (Center or Institute)	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	\$20,000	006349-001
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	\$40,833	006515-001
Bernstein, Gary H. Fay, Patrick J. Snider, Gregory L. (Center or Institute)	Quilt Packaging: A New Paradigm for the Integration of Heterogeneous Communications Systems-In-Package	National Science Foundation	\$275,822	006532-001
Department or Office: Nuclear Structure Laboratory				
Aprahamian, Ani Wiescher, Michael C. Collon, Philippe A. (Center or Institute) Garg, Umesh	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,100,000	006528-001

Awards received during the period Jun-01-2005 to Jun-30-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: South Bend Center for Medical Education				
Olson, Kenneth R. (Center or Institute)	Physiology of Trout Natriuretic Peptides	I.U. School Medicine	\$97,198	005964-001

Awards for Instructional Programs

Department or Office: Alliance for Catholic Education				
Staud, John J. (Center or Institute)	University of Notre Dame-ACE Program	Corporation for National & Community Service	\$155,000	006511-001
Department or Office: Center for Social Concerns				
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	The National Youth Sports Program Fund	\$7,308	006255-001
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	The National Youth Sports Program Fund	\$68,500	006507-001
Department or Office: Nano Science and Technology Center				
Seabaugh, Alan C. (Center or Institute)	Student Travel Support for the Device Research Conference	Department of Navy	\$5,000	006505-001
Department or Office: TRIO Programs				
Coates, Alyssia J. (Center or Institute)	Upward Bound Program	Department of Education	\$437,268	006288-001

Proposals submitted during the period Jun-01-2005 to Jun-30-2005**Centers and Institutes Report**

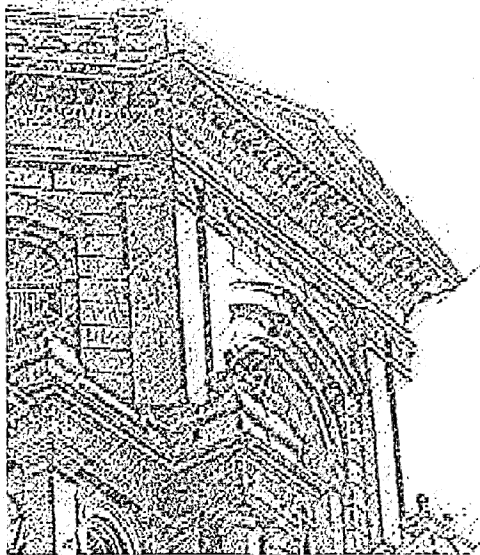
Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Alliance for Catholic Education			
Staud, John J.	ACE-Securing the Future of Catholic Schools	Private Foundation	\$40,000	05120791
Department or Office:	Center for Astrophysics			
Mathews, Grant J.	Unraveling the Mystery of KH15D	National Aeronautics and Space Administration	\$190,770	05120757
Garnavich, Peter M.				
Rettig, Terrence W.				
Garnavich, Peter M.	Gamma-Ray Burst Physics in the Spitzer/Swift Era	National Aeronautics and Space Administration	\$74,830	05120776
Balsara, Dinshaw S.	Improving Our Understanding of the Turbulent, Multiphase Interstellar Medium	National Aeronautics and Space Administration	\$320,753	05120758
Garnavich, Peter M.	Testing the Preposterous Universe with Infrared Supernovae	National Aeronautics and Space Administration	\$69,174	05120777
Department or Office:	Center for Children and Families			
Borkowski, John G.	Preventing Child Neglect in High-Risk Mothers	National Institutes of Health	\$266,425	05120768
Maxwell, Scott E.				
Borkowski, John G.	Preventing Child Neglect in High Risk Mothers	National Institutes of Health	\$1,662,590	05120788
Maxwell, Scott E.				

Proposals submitted during the period Jun-01-2005 to Jun-30-2005

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Educational Opportunity			
Carbonaro, William J.	Long term consequences of preschool learning opportunities on student achievement	National Institutes of Health	\$75,000	05120759
Department or Office:	Center for Molecularly Engineered Materials			
Ostafin, Agnes E.	Interaction of HbS with cytoskeleton and membrane proteins	National Institutes of Health	\$236,241	05120760
Department or Office:	Center for Tropical Disease Research & Training			
Hager, Kristin M.	Functional Genomics	National Institutes of Health	\$150,000	05120797
Fraser, Malcolm J.	Analysis of Toxoplasma gondii			
Adams, John H.				
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	Latino Chicago Capacity Project: A Proposal for Capacity Building Funding	Administration for Children & Families	\$971,600	05120769
Hernandez, Edwin I.				
Hernandez, Edwin I.	Network of Faith Chicago Cohort	Private Foundation	\$70,000	05120784
Department or Office:	Nano Science and Technology Center			
Fay, Patrick J.	GaAsSb/InP DHBT's for RFID Applications	Corporate Funding	\$32,963	05120763
Lieberman, Marya	Systolic Circuits for QCA	National Science Foundation	\$469,170	05120775
Taylor, Richard E.	Conformation - Activity Relationships	National Institutes of Health	\$375,000	05120785
Taylor, Richard E.	Polyketides: Synthetic and Biological Studies	National Institutes of Health	\$262,500	05120786

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