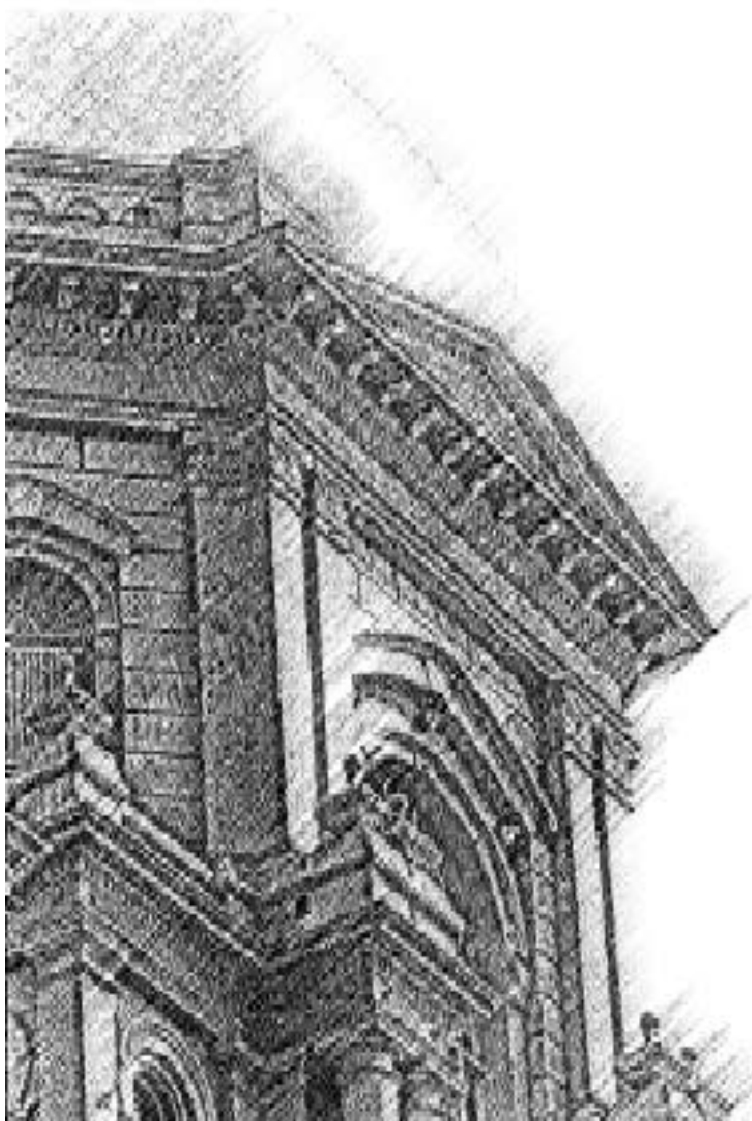


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N U M B E R 6

Faculty Notes

Honors

J. Douglas Archer, librarian, has been reappointed to a second two-year term on the American Library Association's Intellectual Freedom Committee.

Jeff Bergstrand, professor of finance, has been notified that his paper "Do Free Trade Agreements Actually Increase Members' International Trade?" (coauthored with S. Baier), *Journal of International Economics* 71, No. 1 (March 2007), was listed on the JIE/Elsevier website as the Most Downloaded Article at the JIE for January–March 2007; and his paper "The Growth of World Trade" (coauthored with S. Baier), *ibid.* 53, No. 1 (February 2001), was listed on the website as the Most Downloaded Article at the JIE for April–June 2007.

Rev. Paul Bradshaw, professor of theology and director of the London Program, was awarded the 2008 Berakah Award by the North American Academy of Liturgy.

Peter Easton, the Notre Dame Alumni Professor of Accountancy, has been notified that his paper "Some Initial Evidence on the Role of Accounting Earnings in the Bond Market" was recently listed on SSRN's Top Ten download list for Accounting Research Centers Papers. He is also one of a select few professors who had four or more publications in the top three journals in accounting (*The Accounting Review*, *Journal of Accounting Research* and *Journal of Accounting & Economics*) during 2001–05.

Agustin Fuentes, associate professor of anthropology, the Flatley Director of the Office for Undergraduate Fellowships, and Fellow of the Kroc Institute, the Center for Social Concerns, and the Institute for Latino Studies, was named a guest member of the Committee of Ethics of the American Anthropological Association pursuant to consideration of recommendations regarding the involvement of anthropologists with the military and intelligence communities.

Dan Meisel, professor of chemistry and biochemistry, was appointed by the U.S. State Department as the U.S. representative to the International Atomic Energy Agency.

Robert Sedlack, associate professor, art, art history, and design, was awarded the Cornerstone Peacebuilding Award by the Indianapolis Peace Institute.

Robert P. Vecchio, the Schurz Professor of Management was appointed to editorial review boards of the *Journal of Occupational and Organizational Psychology* and *Group and Organization Management*.

Samir Younés, the Rooney Director of Rome Studies, was appointed to the scientific committee of OPUS in Rome, Italy. The scientific committee, in association with the Facoltà di architettura "La Sapienza" and the patronage of the Ministero dei Beni Culturali, oversees scholarly publications on the urban studies of Rome.

Activities

Gerard F. Baumbach, professional specialist, director of the Center for Catechetical Initiatives, and concurrent professor of theology, served as an invited U.S. delegate to the Tenth International Consultation on Adult Religious Education in Santiago, Chile, Jan. 9–14, 2008.

Harvey Bender, professor of biological sciences, presented "Counseling Issues: Breast and Ovarian Cancer Genetics" at the Columbia School of Medicine ASHG subcommittee meeting, New York City, Jan. 2–7; and "Genetic Developments and the Brave New Millennium" at the Notre Dame Alumni Program in Syracuse, N.Y., Oct. 27–28, 2007.

Jeff Bergstrand, professor of finance, presented "Shouldn't Physical Capital Also Matter in a World Economy with Multinational Enterprises?" coauthored with P. Egger, at the European Trade Study Group annual meeting in Athens, Greece, September 2007; "Bonus Vetus OLS: A Simple Method for Approximating International Trade-Cost Effects using the Gravity Equation," coauthored with S. Baier, and "Gravity Redux: Structural Estimation of Gravity Equations with Asymmetric Bilateral Trade Costs," coauthored with P.

Egger and M. Larch, at the conference "The Gravity Equation: New Perspectives on Distance in International Economics and the Theory, Measurement, and Application of the Gravity Model," cosponsored by the Univ. of Groningen (The Netherlands) and The Netherlands Ministry of Economic Affairs, Groningen, in October 2007; and "Estimating the Effects of Free Trade Agreements on Trade Flows using Matching Econometrics," coauthored with S. Baier, at the International Economics and Finance Society meetings, New Orleans, Jan. 4–6, 2008.

Nora Besansky, professor of biological sciences, presented "Recombination, Adaptation and Speciation in *An. gambiae*" at the Univ. of Massachusetts at Amherst, Oct. 21–23, 2007.

Joseph Blenkinsopp, theology emeritus faculty, presented the seminar titled "Judeans, Jews and Children of Abraham" in the Dept. of Theology at the Univ. of Edinburgh on Feb. 8, 2008, and took part in a roundtable discussion on history and the Bible at the Univ. of Glasgow, Scotland, on Feb. 11, 2008.

Rev. Paul Bradshaw, professor of theology and director of the London Program, presented "Is Liturgical History a Thing of the Past?" at the annual meeting of the North American Academy of Liturgy in Savannah, Ga., Jan. 3–6, 2008.

Mark Caprio, professor of physics, presented "Excited State Quantum Phase Transitions in Pairing Systems," an invited talk, at the New Approaches in Nuclear Many-Body Theory Workshop at the Institute for Nuclear Theory, Seattle, Wash., on Oct. 19, 2007; "Excited State Quantum Phase Transitions in Mesoscopic Systems," a mesoscopic theory lecture, at Michigan State Univ., East Lansing, on Nov. 30; and "Excited State Quantum Phase Transitions," a seminar, at Argonne National Laboratory, Illinois, on Dec. 3.

Nicole Stelle Garnett, the John Cardinal O'Hara, C.S.C., Associate Professor of Law, presented "No Taking Without a Touching?" at the Bernard Siegan Memorial Conference on Economic Liberties, Univ. of San Diego School of Law, Nov. 16, 2007.

Antonio Delgado, professor of physics, presented "Dynamical Mu-Term in Gauge

Mediation,” a seminar, at the LHC 2008 Workshop, Univ. of Michigan, Jan. 5–11, 2008.

E. Jane Doering, associate professional specialist, concurrent associate professor of College Seminar, and executive coordinator of the Teachers as Scholars Program, presented “Irrational Love Confronts Brute Force: Simone Weil’s Mystical-Political Philosophy” to the annual American Weil Society colloquy that met at St. John’s College in Sante Fe, N.M. in April 2007.

Morten Eskildsen, assistant professor of physics, presented “Vortex Studies in CeCoIn5,” an invited talk, at the 2007 annual meeting of the Danish Physical Society on June 20 in Nyborg, Denmark; and “Superconducting Vortices in CeCoIn5: Beyond the Abrikosov-Ginzburg-Landau Paradigm,” a colloquium, on Sept. 24, 2007, at Western Michigan Univ., Kalamazoo; and “Superconducting Vortices in CeCoIn5: Beyond the Abrikosov-Ginzburg-Landau Paradigm,” a seminar, on Oct. 18, at Northwestern Univ., Evanston, Ill.

Jeff Feder, professor of biological sciences, presented “Global Linkages of Biology, the Environment, and Society (GLOBES): Linkages with Invasive Species” at the Univ. of Minnesota, Nov. 15–17, 2007.

Michael Ferdig, assistant professor of biological sciences, presented “Genetic Linkage Mapping in Malaria Parasites” at the Southwest Biomedical Research Foundation in San Antonio, Tex., Dec. 13–14, 2007.

Stefan Frauendorf, professor of physics, presented a workshop on “Exotic Modes of Excitation: From Nuclear Structure to Astrophysics” at the European Center for Theoretical Studies in Nuclear Physics and Related Areas, Trento, Italy, Oct. 8–12, 2007; and “Tidal Waves and Spatial Symmetry,” an invited talk, at the Gordon Research Conference on Nuclear Chemistry, Colby-Sawyer College, New London, N.H., June 3–8, 2007.

Umesh Garg, professor of physics, presented “Exotic Quantal Rotation: Chirality and Octupole Condensation,” an invited colloquium, at the Bhabha Atomic Research Center, Trombay, India, on Jan. 11, 2008; “Nuclear Incompressibility and the Stars, an invited postgraduate talk, at the Dungar College, Bikaner, India, on Jan. 17; and

“Exotic Quantal Rotation in Nuclei,” an invited colloquium, at the Inter University Accelerator Center, New Delhi, India, on Jan. 18.

Jennifer A. Herdt, associate professor of theology and Nanovic Institute Fellow, presented “Humility and the Code of the Streets” at the annual meeting for the Society of Christian Ethics, Atlanta, on Jan. 4, 2008.

David Lodge, professor of biological sciences, presented “The Great Lakes Region as a Potential Model for Invasive Species Management and Policy” at the Midwest Fish and Wildlife Conference in Madison, Wisc., Dec. 10–11, 2007; and “Management and Policy for Invasive Species at the National Level” at the Economic and Ecological Science and Management of Invasive Species Conference at Arizona State Univ., Mesa, Oct. 29–31, 2007.

Timothy J. Matovina, professor of theology, director of the Cushwa Center, and Fellow of the Institute for Latino Studies, presented “Horizons of Faith in the Texas Republic” for the American Society of Church History, Washington, D.C., in January.

Ralph McNerny, professor of philosophy, presented “Ordinary Knowledge of God” at the Blackfriars’ Aquinas Seminar, on Jan. 24, 2008, in Oxford, England.

Dan Meisel, professor of chemistry and biochemistry, presented a plenary lecture on “Radiation Effects at the Nano-Scale: From Chemistry to Medicine” at the International Atomic Energy Agency’s consultants meeting on “Potential Applications of Radiation-Synthesized Functional Materials on the Nanoscale,” Vienna, Austria, on Dec. 10, 2007.

Kevin M. Misiewicz, associate professor of accountancy presented “Bootcamp on Teaching Ethics” at the American Accounting Association annual convention, Chicago, on Aug. 7, 2007; presented the workshop “Praying as a Couple: Can We Do It Together?” with Sr. Jacinta Krecek, O.S.F., and K. Misiewicz at the Eucharistic Congress, Diocese of Ft. Wayne–South Bend, Notre Dame, on Aug. 18.

Mark C. Pilkinton, professor of film, television, and theatre, was session coordinator for “Navigating the Theatrical Season in C(atholic)onservative Institutions” at

the Association for Theatre in Higher Education national conference, New Orleans, July 26–29, 2007.

Marcelo Ramalho-Ortigao, research assistant professor of biological sciences, presented “Functional Genomics in Phlebotomine Sand Flies” at the American Society of Tropical Medicine and Hygiene annual meeting in Philadelphia, Pa., Nov. 4–8, 2007.

Julia Adeney Thomas, associate professor of history, presented “Begging Veterans: Photographic Reality in the Aftermath of War” on Jan. 25, 2008 at the Univ. of North Carolina at Chapel Hill; and “Not Art but Politics: Photography and Postwar Japan’s Reality” at Northwestern Univ. on Feb. 8.

John P. Welle, professor of Italian, concurrent professor of film, television, and theatre, and Fellow in the Nanovic Institute, presented “Pirandello’s *Umorismo* and the Sternian Line in Italian Fiction” and chaired a session sponsored by the Pirandello Society of America at the Modern Language Association annual conference in Chicago, Dec. 30, 2007.

Carolyn Y. Woo, the Gillen Dean and Siegfried Professor in Entrepreneurial Studies, presented “Ethical Conduct” for the Rotary Club of Chicago on Aug. 16, 2007; “Building Globally Responsible Leaders” at the AACSB, San Antonio, Tex., February 2008; and “Spirit of Women” at Memorial Hospital, South Bend, Ind.

Publications

J. Douglas Archer, librarian, contributed “From the Chair” to the *IFRT Report 67* (Winter 2007): 11; “Information Tips and Sources: Scriptures/Sacred Books for Peace and Conflict Studies, Part 2” to *The Peace Chronicle: the Newsletter of the Peace and Justice Studies Association* (winter 2008): 22–23; “The Storm Surrounding the Golden Compass: Coming to your Library Soon?” *Focus on Indiana Libraries* 62, No. 1 (2008): 10; and “Serving the Religious Information Needs of Our Communities Without Blowing the Budget: Part 2, Scriptures” in *Indiana Libraries* 27, No. 1 (2008): 19–25.

David E. Aune, professor of theology, published “The Problem of the Passions in Cynicism” in *Passions and Moral Progress in Greco-Roman Thought* J.T. Fitzgerald

(London and New York: Routledge, 2008): 48–66.

David M. Bartels, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, published “Recombination of the Hydrated Electron at High Temperature and Pressure in Hydrogenated Alkaline Water” with T.W. Marin, K. Takahashi, C.D. Jonah, and S.D. Chemerisov, *J. Phys. Chem. A* 111, No. 45 (2007): 11540–51.

Jeff Bergstrand, professor of finance, published “The New Regionalism: Causes and Consequences,” written with S. Baier and P. Egger, *Integration and Trade* No. 26 (Jan.–June 2007): 7–28, reprinted under the same title in *Economie Internationale* 109 (2007): 9–29; and “Free Trade Agreements in the Americas: Are the Trade Effects Larger than Anticipated?” with S. Baier and E. Vidal, *The World Economy* 30, No. 9 (Sept. 2007): 1347–77. He coedited, with A. Estevadeordal and S.J. Evenett, a special issue of *The World Economy* 31, No. 1 (Jan. 2008) titled “The Sequencing of Regional Economic Integration: Issues in the Breadth and Depth of Economic Integration in the Americas”; and published “A Knowledge-and-Physical-Capital Model of International Trade, Foreign Direct Investment, and Multinational Enterprises,” coauthored with P. Egger, in the *Journal of International Economics* 73, No. 2 (Dec. 2007): 278–308.

Howard Blackstead, professor of physics, published “Anomalous Magnetic Ordering in $\text{PrBa}_2\text{Cu}_4\text{O}_8$ and $\text{CmBa}_2\text{Cu}_3\text{O}_7$ ” with graduate student M.P. Smylie, W.B. Yelon, Q. Cai, and M. Kahveci, *Physical Review B* 77 (2008): 014436 (5 pages).

Daniel M. Chipman, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, published “Dissociative Electron Attachment to the Hydrogen-Bound OH in Water Dimer Through the Lowest Anionic Feshbach Resonance,” *J. Chem. Phys.* 127, No. 194309 (2007): 1–10.

Lawrence S. Cunningham, professor of theology, published a review of C. Lubich *Essential Writings in Cistercian Studies Quarterly* 42, No.4 (2007): 284–6; “Pilgrims” in *Take Heart: Catholic Writers on Hope in Our Time*, B. Birnbaum ed. (New York: Crossroad, 2007): 95–107;

“Smoldering Envy” in *Notre Dame Business* (Winter 2008): 24–26; and “Religion Book Notes,” *Commonweal* cxxxv (Jan. 18, 2008): 34–36.

Antonio Delgado, professor of physics, published “Unparticles-Higgs Interplay” with J.R. Espinosa and M. Quirós, *JHEP* 0710 (2007): 094; and “Dynamical Mu Term in Gauge Mediation” with G.F. Giudice and P. Slavich, *Phys. Lett. B* 653 (2007): 424–33.

Morten Eskildsen, assistant professor of physics, published “Superconducting Vortices in CeCoIn_5 : Toward the Pauli-Limiting Field” with A.D. Bianchi, M. Kenzelmann, Lisa DeBeer-Schmitt (physics graduate student) et al., *Science* 319 (2008): 177–80.

James M. Frabutt, associate professional specialist in the ACE Leadership Program and concurrent associate professor of psychology, published “Teaching Conflict Resolution Skills to Middle and High School Students Through Interactive Drama and Role Play” with K.N. Graves and D. Vigliano, *Journal of School Violence* 6, No. 4 (2007): 57–74.

Stefan Frauendorf, professor of physics, published “Deformation Parameters and Transition Probabilities for Shears Bands in Pb Isotopes” with H. Hübel, *Phys. Rev. C* 75 (2007): 044309 (19 pages); and “Dipole-Strength Distributions up to the Particle-Separation Energies and Photodissociation of Mo Isotopes” with R. Schwengner, N. Benouaret, R. Beyer, F. Dönau, M. Erhard, E. Grosse, A.R. Junghans, J. Klug, K. Kosev, C.Nair, N. Nankov, G. Rusev, K.D. Schilling, and A. Wagner, *Nuclear Physics A* 788 (2007): 331C–6C.

Agustin Fuentes, associate professor of anthropology, the Flatley Director of the Office for Undergraduate Fellowships, and Fellow of the Kroc Institute, the Center for Social Concerns, and the Institute for Latino Studies, published “Characterizing the Threat to the Blood Supply Associated with Nonoccupational Exposure to Emerging Simian Retroviruses” with M.A. Schillacci and G. Jones-Engel, *Transfusion* 48, No. 2 (2008): 398–401.

Umesh Garg, professor of physics, published “First Measurement of the Giant Monopole and Quadrupole Resonances in a Short-Lived Nucleus: ^{56}Ni ” with C.

Monrozeau, E. Khan, Y. Blumenfeld, C.E. Demonchy, W. Mittig, P. Roussel-Chomaz, D. Beaumel, M. Caamaño, D.Cortina-Gil, J.P. Ebran, N. Frascaria, M. Gelin, A. Gillibert, D. Gupta, N. Keeley, F. Maréchal, A. Obertelli, and J-A. Scarpaci, *Phys. Rev. Lett.* 100 (2008): 042501 (4 pages).

Nicole Stelle Garnett, the John Cardinal O’Hara, C.S.C., Associate Professor of Law, published “Property In-Laws,” 156 *U. Pa. L. Rev.* PENumbra 279 (2007); “Suburbs as Exit, Suburbs as Entrance,” 106 *Michigan Law Review* 277 (2007); and “Planning as Public Use,” 34 *Ecology Law Quarterly* 443 (2007).

Jennifer A. Herdt, associate professor of theology and Nanovic Institute Fellow, reviewed S.J. Grabill *Rediscovering the Natural Law in Reformed Theological Ethics* (Grand Rapids: Eerdmans, 2006) in *Modern Theology* 24, No. 1 (2008): 129–32.

J. Christopher Howk, professor of physics, published “Distances to Galactic High-Velocity Clouds. I. Cohen Stream, Complex GCP, Cloud G1” with B.P. Wakker D.B. York, R. Wilhelm, J.C. Barentine, P. Richter, and Z. Ivezić, *Astrophysical Journal* 672, (2008): 298–319.

Ireneusz Janik, assistant research professor in the Radiation Laboratory, published “Neutron and β ly Radiolysis of Water up to Supercritical Conditions. 1. β ly Yields for H_2 , H^+ Atom, and Hydrated Electron” with student Dorota Janik and David M. Bartels, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, in *J. Phys. Chem. A* 111, No. 32 (2007): 7777–86.

Maxwell Johnson, professor of theology, published “*Sub Tuum Praesidium*: The Theotokos in Christian Life and Worship before Ephesus” in B.D. Spinks ed. *The Place of Christ in Liturgical Prayer: Trinity, Christology, and Liturgical Theology* (Collegeville: The Liturgical Press, Pueblo, 2008): 243–67.

James Kolata, professor of physics, published “ ^7Be -Induced Alpha-Transfer Reaction on ^{12}C ” with H. Amro, F.D. Becchetti, Y. Chen, H. Jiang, M. Ojaruega, M.J. Golobish, H.C. Griffin, B. Skorodumov, G. Peaslee, P.A. DeYoung, P. Mears, D. Denby, J. Brown, J.D. Hinnefeld, and A.M. Moro, *European Physical Journal—Special*

Topics 150 (Nov. 2007): 1–4; “BaF₂ Array for Gamma-Tagged Studies with Radioactive Nuclear Beams” with H. Amro, F.D. Becchetti, H. Hang, M. Ojaruega, B. Skorodumov, G. Peaslee, P. DeYoung, D. Denby, and J.D. Hinnefeld, *Nuclear Instruments & Methods in Physic Research A* 579, (2007): 31–33; “Energy-Spread Compensation in a Solenoid-Based Secondary Radioactive Beam Apparatus” with H. Hang, H. Amro, M. Ojaruega, and F.D. Becchetti, *ibid.*: 461–4; and “Measurements of fusion Reactions Induced by Radioactive ¹³²Sn on ⁶⁴Ni” with J.F. Liang, D. Shapira, C.J. Gross, R.L. Varner, H. Amro, J.R. Beene, J.D. Bierman, A.L. Caraley, A. Galindo-Uribarri, J.G. del Campo, P.A. Hausladen, K.L. Jones, Y. Larochele, W. Loveland, P.E. Mueller, D. Peterson, D.C. Radford, and D.W. Stracener, *European Physical Journal-Special Topics* 150 (Nov. 2007): 35–36.

Robert A. Krieg, professor of theology and Nanovic Institute Fellow, published “The ‘Perfect Death’ of Catherine Mowry LaCugna: A Meditation” in *America* 196 (April 2, 2007): 24–26; “Jesus as Savior,” *ibid.* 197 (Sept. 17, 2007): 18–20.

Robert L. Kusmer, associate librarian, published “The Innocence of Father Brown” in *The Literary Encyclopedia* (litencyc.com/php/sworks.php?rec=true&UID=506) (Jan. 29, 2008).

Jay A. LaVerne, professional specialist in the Radiation Laboratory and concurrent research professor of physics, published “The Radiolysis of Poly(4-vinylpyridine) Quaternary Salt Ion Exchange Resins” with K. Enomoto, L. Tandon, A.E. Enriquez, and J.H. Matonic, *J. Nuclear Materials* 373 (2008): 103–11; and “Surface Species Produced in the Radiolysis of Zirconia Nanoparticles” with E.A. Carrasco-Flores, *J. Chem. Phys.* 127, No. 234703 (2007): 1–7.

Ralph McInerney, professor of philosophy, contributed the “Preface” to *Man and Values: A Personalist Anthropology* (Scepter Publishers, Inc.: New York, 2007): ix–x.

Dan Meisel, professor of chemistry and biochemistry, published “Reactions of Radicals with Hydrolyzed Bi(III) Ions: A Pulse Radiolysis Study” with R. Benoit, M.-L. Saboungi, M. Tréguer-Delapierre, and B.H. Milosavljevic, *J. Phys. Chem. A* 11, No. 42 (2007): 10640–5.

Nathan D. Mitchell, professional specialist in theology and concurrent professional specialist in the Center for Pastoral Liturgy, published “The Sung Prayer of the Assembly,” *Worship* 82, No. 1 (January 2008): 53–65; and “New Directions in Ritual Research,” in P. Bradshaw and J. Melloh eds. *Foundations in Ritual Studies: A Reader for Students of Christian Worship* (Grand Rapids: Baker Academic, 2007): 103–30; and coedited *A Commentary on the General Instruction of the Roman Missal*. with E.B. Foley, and J.M. Pierce (Collegeville: The Liturgical Press, 2008).

Peter R. Moody Jr., professor of political science, published “Globalization in East Asia,” in *Globalization: Universal Trends, Regional Implications*, H.J. Wiarda ed. (Boston: Northeastern Univ. Press, 2007): 153–76; and “Rational Choice Analysis in Classical Chinese Thought: The Han Feizi,” *Polity* 49, No. 1 (Jan. 2008): 95–119.

Alven Neiman, professional specialist in the philosophy, published “Addiction and Mood Disorder in the Fast Food University” in B.S. Stengel ed. *Philosophy of Education* (Philosophy of Education Society and the Univ. of Illinois at Urbana-Champaign, 2008): 14–17; “Agapeism” (11–12), “Authority” (33–35) and “Pragmatism” (354–6) in F. Clark Power (concurrent professor of psychology and Fellow of the Institute for Educational Initiatives), Rev. Ronald J. Nuzzi (director of the ACE Program), Darcia Narvaez (concurrent associate professor and Fellow in the Institute for Educational Initiatives, and Fellow of the Institute for Latino Studies and Center for Social Concerns), Daniel K. Lapsley (the Notre Dame Chair in Catholic Education), and Thomas C. Hunt (professor) eds. *Moral Education: A Handbook* (Westport, Conn. and London: Praeger, 2008).

Bruce C. Noll, research associate professor of chemistry and biochemistry, published “Reversible NO Motion in Crystalline [Fe(Porph)(1-Melm)(NO)] Derivatives” with N.J. Silvernail, J.W. Pavlik, C.E. Schulz, and W. Robert Scheidt, the Warren Professor of Science, in *Inorganic Chemistry* 47 (2008): 912–20.

Larry K. Patterson, retired faculty of the Radiation Laboratory, published “Albumin-Bound Quercetin Repairs Vitamin E

Oxidized by Apolipoprotein Radicals in Native HDL3 and LDL” with P. Filipe, David M. Bartels, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, G.L. Hug; J.P. Freitas, J.-C. Mazière, R. Santus, and P. Morlière, *Biochemistry* 46, No. 49 (2007): 14305–15.

Mark C. Pilkinton, professor of film, television, and theatre, published “The Effect of the Reformation on the Antagonists in English Drama” in *The Journal of Religion and Theatre* 6, No. 1 (Summer 2007): 48–55, a reprint of *Theatre and Religion* 1 (1992): 50–57.

John E. Renaud, professor of aerospace and mechanical engineering, published “A Fully Anisotropic Hierarchical Hybrid Cellular Automaton Algorithm to Simulate Bone Remodeling” with C.L. Penninger et al., *Mechanics Research Communications* 35 (2008): 32–42; “Investigation of Reliability Method Formulations in DAKOTA/UQ” with M.S. Eldred et al., *Structure and Infrastructure Engineering* 3, No. 3 (2007): 199–213; “Reliability-Based Design Optimization of Robotic System Dynamic Performance” with A. Bowling et al., *ASME Journal of Mechanical Design Volume* 129 (2007): 449–54; “An Inverse-Measure-Based Unilevel Architecture for Reliability-Based Design Optimization” with H. Agarwal et al., *Structural and Multidisciplinary Optimization* 33, No. 3 (2007): 217–27; and “Optimality Conditions for the Hybrid Cellular Automata for Structural Optimization” with A. Tovar, N. Patel, and A.K. Kaushik, *AIAA Journal* 45, No. 3 (March): 673–83.

W. Robert Scheidt, the Warren Professor of Science, published the chapter “Nuclear Resonance Vibrational Spectroscopy—NRVS” with S.M. Durbin and J.T. Sage in *The Smallest Biomolecules Diatomics and their Interactions with Heme Proteins*, A. Ghosh, ed. (Amsterdam: Elsevier, 2008): 124–46.

William F. Schneider, associate professor of chemical and biomolecular engineering and concurrent associate professor of chemistry and biochemistry, published “DFT Characterization of coverage Dependent Molecular Water Adsorption Modes on α -Al₂O₃(0001)” with V.A. Ranea and Ian Carmichael, professor of chemistry and

biochemistry and director of the Radiation Laboratory, in *Surface Science* 602 (2008): 268–75.

Robert H. Schuler, emeritus faculty in the Radiation Laboratory, published “Determination of the Spectroscopic Properties and Chromatographic Sensitivities of Substituted Quinines by Hexachlorate(IV) Oxidation of Hydroquinones” with **Guadalupe Albarran**, staff member in the Radiation Laboratory, in *Talanta* 74 (2008): 844–50.

James VanderKam, professor of theology, published “Adam’s Incense Offering,” *Meghillot* 5–6 (2007): 141–56.

Robert P. Vecchio, the Schurz Professor of Management, published “Transactional and Transformational Leadership as Predictors of Performance and Satisfaction within a Path-Goal Theory Framework” with J.E. Justin and C.L. Pearce, *Journal of Occupational and Organizational Psychology* 81 (2008): 71–82; “Leadership and Sex-Similarity,” with D.M. Brazil, *Personnel Psychology* 60 (2007): 303–35; “The Utility of Situational Leadership Theory: A Replication” with R.C. Bullis, in *Small Group Research* 37 (2006): 407–24; “Explorations in Employee Envy: Feeling Envious and Feeling Envid” in *Cognition and Emotion* 19 (2006): 69–81 “Cinderella and Salieri in the Workplace” in S.W. Gilliland, D.W. Steiner, and D.P. Skarlicki (eds.) *Research in Social Issues in Management* 5 (Greenwich, Conn.: Information Age Publishing, 2007): 109–34; and “Contingency Model of Leadership Effectiveness” in W.A. Darity (ed.) *International Encyclopedia of Social Sciences* (New York, MacMillan Reference, 2008): 384–5. Vecchio edited *Leadership: Understanding the Dynamics of Power and Influence in Organizations* (Univ. of Notre Dame Press, Second Edition, 2007): 583 pages.

Olaf Wiest, professor of chemistry and biochemistry, published “Zinc Binding in HDAC Inhibitors: A DFT Study” with D. Wang and **Paul Helquist**, professor of chemistry and biochemistry, in *Journal of Organic Chemistry* 72 (2007) 5446–9; “Development of a Q2MM Force Field for the Silver(I)-Catalyzed Hydroamination of Alkynes” with P.J. Donoghue, E. Kieken, and Paul Helquist, in *Advances in Synthesis*

and *Catalysis* 349 (2007): 2647–54; “Structure and Dynamics of Poly(T) Single-Strand DNA: Implications toward CPD Formation” with A.T. Johnson, in *Journal of Physical Chemistry B* 111 (2007): 14398–404; “Base Flipping of the Thymine Dimer in Duplex DNA” with L.L. O’Neil and A. Grossfield, in *Journal of Physical Chemistry B* 111 (2007): 11843–9; and “Sequence Dependence in Base Flipping: Experimental and Computational Studies” with L.L. O’Neil, *Organic & Biomolecular Chemistry* 6 (3008): 485–92.

In Memoriam

Paul P. Weinstein, professor emeritus of biological sciences, died Jan. 5, 2008, in South Bend’s St. Joseph Regional Medical Center. He was 88.

Administrators’ Notes

Honors

Douglas Kroll, director of finance and administration, Mendoza College of Business, has been appointed to the President’s Leadership Council of Manchester College.

Publications

Gordon L. Hug, retired administrator from the Radiation Laboratory, published “Spectroscopic Characterization of Photolytically Generated Radical Ion Pairs in Single-Wall Carbon Nanotubes Bearing Surface-Immobilized Tetrathiafulvalenes” with M.Á. Herranz, C. Ehli, S. Campidelli, M. Gutiérrez, K. Ohkubo, S.i Fukuzumi, M. Prato, N. Martin, and **Dirk M. Guldi**, visiting scholar in the Radiation Laboratory, in *J. Am. Chem. Soc.* 130, No. 1 (2008): 66–73.

Kensuke Takechi, staff member in the Radiation Laboratory, published “Harvesting Infrared Photons with Crocomate Dyes” with **Prashant V. Kamat**, professor of chemistry and biochemistry and concurrent professor of chemical engineering, R.R. Avirah, K. Jyothish, and D. Ramiah in *Chem. Mater.* 20, No. 1 (2008): 265–72.

University Committee on Women Faculty and Students

University Of Notre Dame

Meeting of Monday, October 29, 2007

10:30 a.m.–12:00 p.m., Gold Room, North
Dining Hall

Members present: Laura Carlson, Angie Chamblee, Sr. Susan Dunn, Lauren Gamboa, Alyssa Gillespie, Amber Handy, Sallie Hood, Sharon Hu, Michael Lundin, Kevin Misiewicz, Susan Ohmer, Don Pope-Davis, Carol Tanner

Members absent: Amy Barrett, Mary Rose D'Angelo, Jessica Kayongo, Katie McHugh

Permanent Invited Guests: Jill Bodensteiner, Associate Vice President and Senior Counsel, Office of General Counsel; Jannifer Crittendon, Director, Office of Institutional Equity; Catherine Pieronek, Director Academic Affairs and Women's Engineering Program, Dean's Office, College of Engineering

1. Introductions of members and guests: Prof. Pope-Davis thanked the members and guests for their attendance and commitment to this committee. Prof. Pope-Davis distributed a committee membership roster for the 2007-2008 academic year and asked that each member in attendance introduce him/herself. Prof. Pope-Davis explained that this committee falls within his responsibility as a vice president and associate provost of faculty affairs.

2. Minutes of the Meeting of April 25, 2007: The minutes of the meeting of April 25, 2007 were unanimously approved without correction.

3. Committee charge: Prof. Pope-Davis distributed copies of the committee's charge as articulated in the Faculty Handbook (Academic Article IV, Section 3, Subsection 1) and asked that the committee use the charge as a guiding philosophy.

4. Provost Office report: Women Faculty and Faculty of Color Recruitment and Retention: Prof. Pope-Davis explained that his role is to be facilitative and to bring issues, as perceived by the Provost

and President, to this group. In that regard, he shared a summary of statistics regarding women faculty. He indicated that the committee should weigh-in on the recruitment and retention of women faculty at the university. He asked for input on how to improve, and called for suggestions particularly at the "ground level" as it relates to each member's department. Prof. Pope-Davis shared historical statistical data regarding women faculty at Notre Dame. He indicated that this information was just a starting point to establish where the university stands statistically. He hopes that similar information is shared annually with this committee.

Prof. Pope-Davis then shared a first draft of recommendations to improve the recruitment and retention of women faculty. He explained that the recommendations were gleaned from best practices at other institutions and other materials and resources. He said the list is merely a starting point for the committee and that members should bring forward other suggestions.

As an example of what peer institutions are doing, Prof. Pope-Davis explained that a number of schools successfully recruit new faculty by inviting them to campus as visiting professors. Another program involves identifying faculty at the level of ABDs (All But Dissertations) and bringing them to an institution the year before they defend their thesis. The ABDs are invited during the summer and given a stipend of \$10k. They are not asked to teach, but are simply invited to work on the campus and become part of the institution's research enterprise.

Prof. Pope-Davis thinks that the recommendations are great ideas, but will need the full support of the deans and the departments to be effective. Ms. Pieronek, added that the university should use the new practices so that we are as attractive as other schools.

Ms. Bodensteiner noted a model used to improve hiring at Washington University in St. Louis. Each search committee must complete a 30-minute hands-on training session organized by the school's equivalent of Notre Dame's Office of Institutional Equity. Ms. Bodensteiner suggested that in order to keep participants interested in the training, the most current available data regarding faculty hiring and retention

statistics should be shared with the search committee. Prof. Pope-Davis added that he thought candidates should meet with groups like the UCWFS and other groups across disciplines.

Prof. Hood noted the difficulty of recruiting to an area like South Bend. She shared concerns that faculty often leave because do not find a satisfactory lifestyle here. Ms. Gamboa inquired if any more information was available on why women faculty leave Notre Dame. Ms. Crittendon replied that a better exit interview process is now in place because of this committee. She noted that in the past the university has not done well with collecting and analyzing this type of information. With the new online process, she is hopeful that better information will be available to analyze. Furthermore, Prof. Gillespie noted that as the executive fellow in the College of Arts and Letters, she will be asking exiting faculty to meet with her personally to discuss any matters that they wish to bring forward.

5. Chair and Subcommittees: Prof. Pope-Davis asked the committee to consider election of a chair of the committee for this academic year. The chair should be someone willing to work with Prof. Pope-Davis and to address the deans and department chairs on the strategies put forth by the committee. He suggested that because Prof. Ohmer is the new faculty fellow in the Office of the Provost, that perhaps she would be a logical and ideal choice for the position of chair given her two year appointment as the Provost faculty member. By acclamation of the committee, Prof. Ohmer was named chair of the committee.

Prof. Pope-Davis also recommended that the group form two subcommittees to work on two specific tasks: women faculty recruitment and women faculty retention. These subcommittees would be an efficient way for the larger committee to carry-out its work for the year. The subcommittees would be expected to develop a report recommending strategic initiatives that address recruitment and retention of women faculty at Notre Dame. The suggestions should be presented to the larger group by the end of the 2008 Spring Semester and be implementable in the 2008-2009 academic year.

The chair then asked each committee member to inform Ms. Lam of his/her subcommittee preference.

With no further business to discuss, the meeting was adjourned at 11:55 a.m.

University Council for Academic Technologies (UCAT)

November 9, 2007, 2:00–3:30
Main Building, Room 303
Meeting MINUTES

Members Present: Pascal Calarco—Library, Rob Easley—MCoB, Ed Edmonds—Law, Patrick Finnigan—Undergrad Student, Dan Gezelter—CoS, Mike Hildreth—CoS, Oleg Kim—Grad Student, Michael Kirsch—Law, Bill McDonald—MCoB, Mark Schurr—A&L, John Sherman—A&L, Mark Stadtherr—Engineering, Bob Stevenson—Engineering (for Patrick Flynn)

Members Absent: Imdat As, School of Architecture

Ex-Officio Members Present: Craig Brummell—OIT, Dan Marmion—Library, Peggy Rowland—OIT, Paul Turner—OIT, Gordon Wishon (Chair)—OIT, Dewitt Latimer—OIT, Kevin Barry-Kaneb (for Alex Hahn)

Ex-Officio Members Absent: Harold Pace—Registrar

Others present: Katie Rose—OIT

Welcome remarks and agenda review

Council Chair Gordon Wishon called the meeting to order at 2 p.m. He welcomed council members and guests and gave a brief overview of the agenda. With a full agenda scheduled, Wishon immediately turned to the first item of business and called for a motion to approve the October 19, 2007 minutes.

1. Approval of minutes

Mark Schurr made a motion to approve the October 19, 2007 minutes. The motion was seconded by Robert Easley and passed unanimously.

2. Comments on 2006–07 Annual Report

The 2006–07 UCAT Annual Report was distributed to the committee for their

review and approval. In response to a question from Bob Stevenson on the appropriate protocol for approving the report of a previous council, Wishon explained that it is “logistically difficult” to have the annual report completed by the last meeting of the academic year. Traditionally, the annual report is prepared at year’s end and then submitted for the approval of the current council. At the suggestion of Bill McDonald, Wishon agreed to circulate the report to 2006–07 UCAT members for their comments prior to final approval.

3. Subcommittee Reports

Course Management Systems (CMS), Rob Easley Chair

Rob Easley provided a status report on the CMS Pilot project which continues through the end of this semester. The OIT working group has started usability testing with volunteer faculty. There will be a Sakai CMS presentation for faculty on Monday, November 12 followed by a visit from Blackboard on November 29, 2007.

Easley updated the members on the CMS Disposal and Retention proposal drafted by OIT staff in consultation with the CMS Subcommittee and originally discussed at the October UCAT meeting. Ed Edmonds noted that members of the Law faculty raised several concerns as expressed in writing by Dean Patricia O’Hara. The Law School faculty has a strong interest in the proposed policy explained Edmonds, but they have raised the following questions and/or concerns:

- 1) What is the process for approving this policy?
- 2) What is the potential impact on teaching rotations?
- 3) What impact will policy has on the current use by the Law School as a file management system to support important committee work (Promotions Committee)?
- 4) Is there any potential impact on accreditation requirements by the American Bar Association to preserve faculty course materials and student grades?

Dean O’Hara suggested the policy be referred to the Dean’s Council for a more thorough review. Wishon concurred noting that although UCAT has the ability to approve the policy as written, he would first

bring it before the Dean’s Council for their review. Wishon also suggested the necessity of informing the Provost’s Office of potential issues, especially those that may have a wider impact on or overlap with other university policies. Potential concerns might include the use and retention of proprietary faculty intellectual content inherent in their teaching materials, potential conflicts with retention policies of various accreditation agencies or consistency with university guidelines for retention of student exams or other student course records.

Easley argued that despite raising “interesting” non-course related uses of the CMS that have been discovered, any questions regarding the process for approving the Disposal and Retention policy should be addressed separately since the original intent was to address only the retention of faculty and student course-related content in the CMS.

Despite some differing opinions on CMS non-course related uses, Wishon stressed the need for UCAT to sanction the present policy as a technology issue. He agreed, however, to bring the issues presented to the Provost and Dean’s Council for a discussion on the CMS policy as it applies to broader university policies on record retention and to ensure consistency.

A discussion regarding the potential for non-course related uses of the existing CMS by both faculty and students followed. Easley believes it is only “natural for faculty to use what they are comfortable with.” The broader concern for the CMS Subcommittee he argues is presented by the potential change to the existing institutional file space that a switch to a product like Xythes might bring. He asked “Is there a common technical solution to the file storage issue in the future?”

Paul Turner noted that he is aware of two student groups on campus that are currently using the CMS for non-course related purposes. Craig Brummell argued that students using the CMS as a portfolio tool for storing course work might have their own expectations that the documents will be available for 4 years. Easley added that discussing these issues has the potential to elevate the importance of portfolio features when evaluating the CMS alternatives during the pilot project. Wishon suggested

engaging Dennis Jacobs and others in the Provost's Office in these types of discussions and agreed to bring the issues to that forum.

Software Acquisition and Distribution—Dan Gezelter

Dan Gezelter reported that the primary licensing issue responsible for holding up the contract to purchase the new Macintosh Leopard OS has been resolved, and it is now possible to purchase the new OS via the regular OIT software procurement process.

Committee on Research Computing (CRC)—Mark Stadtherr (reported by Dewitt Latimer)

Dewitt Latimer reported that the CRC is exploring both the current and future needs for visualization tools for research projects. The CRC Steering Committee is consulting with the Center for Creative Computing and Jordan Visualization Theater to determine its role in supporting faculty research needs for visualization tools. The CRC is developing a small scale pilot visualization center to be located in a remodeled CRC conference room as a test-bed for faculty and researchers who want to pre-stage their visualizations prior to using the Jordan Theater facilities.

Latimer described the CRC as “maturing and finding its niche” within the campus community. He used as an example the recent decision by Frank Collins to use grant funds to support hiring 2 full-time employees to CRC for direct support of his research. The CRC will be responsible for hiring and managing the employees. In addition, Doug Faye has recently requested CRC assistance with an MRI proposal.

Space constraints continue to pose problems for the OIT Data Center reported Latimer. The center will soon outgrow its initial 1000 square foot allocation and plans are already underway to address expansion possibilities in the 2008–09 budget proposal. A needs assessment was recently completed and will be used to aid in the evaluation process. Although a 15.4 million request for a new Data Center was included in future budget proposals, those funds have not been approved, and in any case it will be several years before a new center can be built and operational. The pressing issue, argued Latimer, is in finding acceptable short-term solutions to the current space problem.

4. Student Updates—Oleg Kim / Patrick Finnigan

Oleg Kim, graduate student representative to the council, reported that graduate students would like swipe card access to the student cluster in Hesburgh Library. Currently, graduate student must use an extra key to access the restricted cluster. Costs for installing the new system are estimated at \$6000.

Peggy Rowland indicated that she is waiting on final cost estimates before proceeding with the proposal. She noted, however, that there are a number of possible sources for funding the project including the Library, OIT, and Provost's Office. Currently, the graduate student cluster is locked and restricted solely to grad student use. Moving the 2nd floor computer cluster to the ground level has resulted in a “ripple effect” explained Rowland. More graduate students now wish to use the 11th floor cluster instead of the ground floor cluster.

Patrick Finnigan, undergraduate student representative to the council, brought two student issues to the council's attention. Students continue to experience printing problems in some of the residence halls. The problem, explained Peggy Rowland, stems from the fact that not all halls have OIT managed printing capabilities. There are, however, funds requested in this year's budget to add up to 11 additional printers in hopes of alleviating some of the problem.

Finnigan explained that students continue to seek an easier web-based service that would allow for increasing their printing quotas. Despite there being several “relatively easy technical solutions” to the stated problem, there are “broader issues relating to course packs and electronic reserves” that must also be addressed, explained Rowland. A team of people is currently looking into the issue from the broader campus-wide perspective. There are “significant” costs associated with adding more printers, explained Craig Brummell. Additional information is currently being collected to fully understand the cost and complexity of any possible solutions.

The council agreed to revisit the issue once additional data becomes available.

5. Proposed CMS record retention and disposal schedule (item previously addressed during CMS report in Item 3 above)

6. OIT Budget Project Requests—Craig Brummell

Craig Brummell presented an overview of OIT Institutional Project Budget Requests. This is the first year OIT has attempted to present a comprehensive overview of all IT budget requests. Several factors are considered in the prioritization process including the alignment of the project with overall institutional goals and objectives; a quantitative and qualitative cost / benefits analysis; and a risk management assessment of the potential costs of not doing the project. Brummell then reviewed a prioritized list of the 21 major project requests currently under consideration. The list presented to the council represents projects that require some kind of additional funding, explained Wishon. OIT also “self-funds” both smaller and larger scale projects on an on-going basis.

The members discussed a number of specific issues related to the proposed project list. Kevin Barry characterized the projects presented as being more “administrative” in nature and suggested adding academic-related projects to future lists. Some academic projects or services are core funded, explained Brummell, and others may not need to go to the Provost for funding. It is possible that a “tiered” funding approach will be in place for next year's reporting.

The list is being shared with the council, explained Wishon, in an effort to show more transparency in how OIT resources are allocated. There are many important projects “in the background” that have a direct impact on students and/or faculty that do not show up on the list because they are already funded. Wishon noted that this figure represents the largest OIT budget request submitted over the course of his tenure at CIO. He hopes to have some kind of definitive response by the end of the calendar year (2007).

Responding to member comments regarding specific applications included on the list, Wishon stressed that OIT is working closely with departments and colleges to determine their current research needs. By the spring of 2008, OIT will be working to support research in the Colleges of Science,

Engineering and Arts and Letters. He predicts the Provost will continue to see a growth in the demand for more academic and research focused projects.

Wishon hopes the council will find this type of information useful as OIT moves forward in the budgeting process. Projects are often put on hold while waiting for budget approval. In special circumstances, Wishon can apply discretionary funds to higher priority projects. Greater access to this type of information, argued Wishon, will allow UCAT to take a more active role in the decision-making process.

Conversations are “on-going” with respect to cost savings and possible allocation of realized savings, explained Wishon, and he expects the issue will be revisited throughout the course of future UCAT meetings.

7. Report on Integrated Calendaring E-mail System—Dewitt Latimer / Katie Rose

Dewitt Latimer reported on the on-going efforts to find integrated software to support calendaring and e-mail needs of the faculty and staff. OIT’s goal is to find a more “robust” calendar application that would do a better job supporting mobile devices such as synching with PDAs, etc. There have been numerous problems with the current Oracle Calendar system, better known as “Corporate Time,” Latimer explained. In addition, OIT existing enterprise e-mail system for faculty and staff, Sendmail, has just announced it is “getting out of the e-mail business” to focus more of its efforts on SPAM fighting software, resulting in an expanded effort by OIT to find an integrated replacement for both enterprise-wide calendaring and e-mail software.

OIT has already completed a matrix of current needs versus service offerings. Large commercial offerings such as Google’s have been rejected because of issues relating to data privacy and retention and off-site hosting. Initial examinations indicate that Microsoft Exchange is “the product to beat” argued Latimer.

Katie Rose reported that OIT is launching a small scale pilot project in January 2008 to explore Microsoft Exchange as the possible integrated calendar and e-mail solution. OIT recently conducted a survey and held focus groups that included a

cross-section of current faculty and staff who use Corporate Time. General feedback indicates while faculty and staff are not particularly dissatisfied with the current system, they do want “more functionality” specifically as it relates to better support and access to e-mail and calendar functions via the Web. The survey results indicate that faculty and staff want to continue using the e-mail client(s) of their choice. If, however, OIT opts to make a change in the system, the faculty and staff agree it should be done over the summer and not during the academic year. Criteria used in the evaluation process include; privacy, integration with existing services, web accessibility, and the ability to work with newer cell phone and PDA technology. Any new application would continue to support both IMAP and POP.

In light of the earlier discussion on a data retention policy for CMS, Rob Easley questioned the strategy for data retention for e-mail and calendar data. In addition, he raised concerns about integrating the new and existing systems, as well as potential student issues that might have an impact on the decision. Katie Rose indicated there are no current plans to include students in the new offering for e-mail and calendar.

Wishon agreed to keep UCAT up to date on any progress towards making a final decision on the project.

8. Academic Technologies Update (rescheduled for future agenda due to time constraints)

9. Campus Workstation Program (CWP) discussion

Responding to an earlier request from Bill McDonald, Gordon Wishon provided an overview of the existing CWP policies and procedures. The CWP program provides access to replacement computers for faculty every 3 years and for staff every 4 years. Currently, funds are distributed to colleges/ departments based on the size of their faculty/staff. The principles under which the program was originally established, explained Wishon, have presented a number of challenges to the departments. For example, funding will only cover filled positions and is not sufficient for faculty and staff with more advanced computing needs. In addition, falling computer costs

have resulted in funds accruing in the CWP, but current restrictions limit their access.

A CWP task force is currently working to develop a set of principles and procedures that will guide the program in the future. These guidelines will enable departments to maintain the replacement of computers for faculty and staff on regular basis. Departments will also have more flexibility to buy additional items including printers, lab machines, PDAs, docking stations, or other computer-related technologies.

There has been no consensus on suggested proposals to date, explained Wishon, and the task force will continue to seek other ideas and alternatives.

A brief discussion followed.

Kevin Barry asked for additional information on the alternatives presented. McDonald suggested the discussion should have taken place much earlier with council members. MCoB, he explained, creates fund balances which get spent all at once. Bob Stevenson noted “What works for one college doesn’t work the same for others.”

Wishon suggested inviting Craig Fitch from OIT to give a comprehensive presentation on the proposed CWP alternatives to UCAT. “As no changes to the Campus Workstation Program have yet been made, all these issues,” added Wishon “are open for discussion at future meetings.”

10. Closing Remarks

Gordon Wishon requested suggestions for future agenda topics and thanked the council members for their input.

Next meeting December 14, 2007—Hesburgh Library, Room 222

Adjourned

The meeting was adjourned at 3:35 PM.

Minutes of the 312th Graduate Council Meeting

University of Notre Dame

November 14, 2007

Members present: Peter Holland (chair), Joseph Marino, James Merz, John Robinson (for Patricia O'Hara), Mark Roche, Carolyn Woo, Philip Bess, Gay Dannelly (for Jennifer Younger), Crislyn D'Souza-Schorey, Peter Garnavich, Sandra Gustafson, Angelina Lay, Christine Maziar, Juan Migliore, Dan Myers, Kathleen Pyne, Scott Van Jacob, Tam Chantem, Caitlyn Shea (for Rebecca McCumbers)

Graduate School representatives present: Terry Akai, Barbara Turpin, Jarren Gonzales

Guests present:

Representatives from the Joan B. Kroc Institute for International Peace Studies: Scott Appleby, Hal Culbertson, Jaleh Dashti-Gibson, Robert Johansen

Department Chairs: Cindy Bergeman, Rory McVeigh, Michael Zuckert

Associate Dean for Research, Graduate Studies, and Centers, The College of Arts and Letters: Gretchen Reydams-Schils

Members absent: Panos Antsaklis, Robert Bernhard, Peter Burns, Laura Carlson, John Renaud, John Welle, Bill Westfall

Reporter: Mary Hendriksen

Prof. Holland opened the meeting at 3:35 p.m., and Prof. Reydams-Schils offered a prayer.

1. Approval of the minutes of the Graduate Council meeting of September 26, 2007:

Prof. Holland called for approval of the minutes of the Graduate Council meeting of September 26, 2007. They were approved unanimously, with no amendments.

2. Announcements: Prof. Holland made three announcements:

Subcommittee on graduate students' commencement:

At the suggestion of Prof. Antsaklis, the Academic Council's liaison to the Graduate Council, Prof. Holland will constitute a subcommittee to meet during the Spring 2008 term on commencement issues. Members will explore both how the Graduate School's

own commencement ceremony might be improved and how graduate students can be integrated more visibly into the University-wide Sunday commencement ceremony.

(b) Presidential fellowships:

Last year was the final year of new awards for the Lilly Presidential Fellowships. Beginning with the current admissions cycle, a comparable number of new University Presidential Fellowships will be offered to replace the Lillys.

(c) Focused-topic DGS meetings:

In addition to the regularly scheduled fall and spring-term DGS meetings, this year, the Graduate School will hold extra workshop sessions for DGSs on a specific special-interest topic. Later this semester the topic will be recruiting graduate students; in Spring term 2008, it will be mentoring graduate students. Graduate students are participating in the best practices compilation via the Graduate Student Union Web site: <http://www.gsu.nd.edu/>.

3. Items for information:

Graduate students' health insurance:

Dr. Akai updated members on the topic of graduate students' health insurance: The consulting firm hired to assist the University in analyzing data/trends of peer institutions and making recommendations for the future put forward three possible models for the University's committee on health insurance to consider. The option the committee selected was to continue with the style of insurance currently in place.

Several aspects of the coverage plan are under review, for example, how the amounts of various co-pays affect the size of the premium, and what other coverage could be included in the plan and at what cost. Currently, for all fully funded graduate students, the University contributes a subsidy of \$400 to offset the \$1400 premium. This represents a contribution of about 30%. Dr. Akai noted that the Graduate School has requested an increase to the current subsidy level.

Ms. Chantem asked whether graduate students could have access to the results of the student health-care survey undertaken by the University's health insurance committee. Prof. Holland responded that he will investigate what can be released.

Prof. Merz asked Dr. Akai to describe some of the plans that were proposed and then rejected. Dr. Akai said that while one proposal provided students with more extensive coverage, the premium was so high that it was thought to be excessive. He also noted that on the open market, students could be turned down for coverage on the basis of preexisting conditions. With the University's current plan, all students are covered.

Prof. Merz asked how Notre Dame compared to peers in the consultant's benchmarking survey. Dr. Akai answered that Notre Dame is a little below the sample median in cost of premiums. Premium costs—some as much as two to three times Notre Dame's cost—depend in part on what is covered and on co-pay amounts. He added that among AAU institutions that were sampled, premium subsidies were on average about 70% of cost. Again, Notre Dame subsidizes about 30% of the cost of its students' premiums. The University's intent is to work towards a higher level of subsidy through staged increases over time.

Ms. Chantem asked whether the consultant's benchmarking data can be shared. Prof. Holland responded that the decision lies with the Provost. As Dr. Akai has related, the benchmarking study shows a wide variation in practice. While plans at some universities have more extensive coverage than that available to Notre Dame students, they may offer lower stipends or charge students higher premium amounts—both of which result in a heavier net financial burden on graduate students.

Apply Yourself:

Dr. Gonzalez gave a short update on the new on-line application system, *Apply Yourself*, which was implemented this fall. Two of its many advantages over the Banner system are: (1) all materials except transcripts can be sent electronically by prospective students, and (2) staff and faculty involved in the admissions process can track the progress of applications in real time. Thus, DGSs can communicate proactively with prospective students.

Comparison to Association of American Universities (AAU) institutions:

Prof. Holland said that, since the beginning of his term as acting dean, he has

questioned how Notre Dame's graduate school compares in size to those of the 61 institutions elected to the Association of American Universities (AAU). A Web-based survey by the Graduate School this fall—described by Prof. Holland as somewhat “rough and ready” at the margins but surely revealing in its broad brushstrokes—confirms his initial impression that Notre Dame is strikingly out of line with those universities with which it consistently seeks to compare itself. A spreadsheet distributed to members reveals that, when compared to AAU institutions, Notre Dame has a very high ratio of undergraduate students to graduate students (4.77, or 56th of 62 institutions) but a very low ratio of graduate students to faculty (2.24, or 6th of 62 institutions). He pointed out that while a low ratio of graduate students to faculty may be advantageous in some disciplines, that is often not the case in science and engineering. Prof. Holland explained that he offers these ratios to inform future discussions on the size of the graduate school.

Prof. Roche noted that the University has identified a set of institutions that, like Notre Dame, are characterized by a heavily weighted undergraduate population—for example, Cornell, Rice, Dartmouth, Brown, and Princeton. He suggested that more insights into Notre Dame's optimum size could be gained by extracting these institutions from the AAU schools and examining two specific points:

- Comparative ratios of students and faculty by division and department
- Percentage of students funded by grants versus the percentage funded internally

Prof. Woo seconded Prof. Roche's suggestion and said that it may be the case that, rather than increasing the number of graduate students across the board, the University might wish to change the distribution of graduate students across departments.

4. Proposal for an interdisciplinary degree in Peace Studies:

Prof. Holland asked Prof. Johansen, acting director of the Joan B. Kroc Institute for International Peace Studies, to introduce the Institute's proposal for an interdisciplinary Ph.D. degree in Peace Studies. The proposed degree program is to be administered

by the Kroc Institute in cooperation with the departments of History, Political Science, Psychology, and Sociology.

Prof. Johansen explained that the Institute formulated its degree program because of the very serious need for more rigorous and interdisciplinary study of the causes of war and the conditions for peace, and of all forms of political, ethnic, and religious violence. Notre Dame as a whole and the Kroc Institute in particular are very well positioned to play a pathbreaking role in this domain. At the heart of the proposal is the idea that the methodological rigor of existing disciplines and departments can be combined with the interdisciplinary questions, findings, and theories of peace research. The College Council has approved the proposal.

Prof. Merz asked whether, given the generous gift of Joan Kroc to the Institute, the Graduate School should be asked to absorb the costs of the program's stipends. Prof. Johansen pointed out that, as the proposal states, the intention is for the Kroc Institute to release the Graduate School from its contributions within a five-year period according to a formula involving the University's payout on the endowment. Thus, the Graduate School will not be infusing a huge quantity of financial resources into the program for any great length of time, and perhaps not even for the short term.

Prof. Roche spoke in favor of the proposal, noting that it will enhance the number of Notre Dame graduate students with prestigious placements.

After some discussion about the ability of graduate students to “migrate” from academic departments to the Kroc's program and the assurances by the chairs present that they did not consider migration, if it does occur, problematical, Prof. Holland called for a vote on the Kroc Institute's proposal for an interdisciplinary Ph.D. in Peace Studies. Members gave their unanimous approval. Prof. Holland said that, in keeping with the Academic Articles, he would forward the proposal to the Academic Council for its consideration.

5. Graduate certificates or minors:

At its September meeting, Council members had held a preliminary discussion on the questions: Is it appropriate for certificate

programs to exist at Notre Dame? If so, under whose aegis should they operate?

At this meeting, for which members were provided documentation on existing and proposed certificates/minors both at Notre Dame and at peer institutions, Prof. Holland began the discussion by noting the enormous variety that exists among certificate/minor programs—both within and outside of Notre Dame—as to subject matter and requirements. Despite the variety, it seems possible to establish a clear distinction between:

Internal certificates/minors: offered to current graduate students, usually based on standard departmental coursework; and

External certificates: offered to persons outside the University; usually more akin to continuing education or professional development courses; often providing a revenue stream for institutions.

Thus, Prof. Holland said, among Notre Dame's current offerings, the minor in quantitative psychology (internal) can be distinguished from offerings in the Mendoza College of Business in, for example, negotiation or project management (external).

Prof. Holland noted that it is the clear sense of the executive committee that the Graduate Council should be dealing at this time only with internal certificates/minors. External certificates may be taken up by the Council at a future date, but they will not be considered at this meeting.

Prof. Holland drew the attention of members to the document in their packet titled *Template for Certificate or Minor Program Proposals*. It defines a graduate certificate (or minor) as “either a guided academic course of study that is designed to supplement work in a primary degree program with an additional substantial expertise, or a course of study that is designed to teach pedagogic skills. It is expected that the course of study will be recognized by other institutions as conferring a level of valued expertise.” The template further stipulates that “[s]uch certificate (or minor) programs are available only to graduate students currently enrolled in a graduate program in the Graduate School” and “[t]he Graduate School does not consider proposals for professional certificates or proposals similar

to certain existing certificates, such as the certificate in Theology within the MA in Theology program or ACE's certification program in English as a New Language."

In the discussion that followed, there was no disagreement as to whether internal minor/certificate programs should be approved for Notre Dame graduate students; it was the consensus of members that they should. Nor was there substantial disagreement with the definition of a graduate certificate or minor presented in the template. The discussion focused instead on whether programs such as the one now existing in Psychology or that proposed by the Program in Gender Studies should be called a "certificate" or a "minor" at Notre Dame and how these courses of study might be distinguished from those that form the basis of certificates offered by the Kaneb Center and the Alliance for Catholic Education.

Prof. Roche stated that while Dr. Turpin's research indicates that it is moderately anomalous to use the term "minor" for programs like that proposed by Gender Studies, in fact, that would be his preference. There is a vast difference between undertaking an academic program and attending a collection of workshops. Prof. Roche noted that if the Council adopts the term "minor" rather than "certificate" for courses of study like that proposed by Gender Studies, that program's proposal need not return to the College Council. He will consider such a change merely a matter of nomenclature.

Prof. Holland stated that it would be entirely appropriate to offer *both* graduate minors and certificates at Notre Dame. While it is impossible to expect rigid classifications in this area, he said, the term "minor" could be used for courses of study similar to that proposed by Gender Studies and "certificate" for courses of study similar to the Kaneb Center's existing certificate programs—for example, the *Striving for Excellence in Teaching Certificate*, for which graduate students attend five teaching workshops and write a two-page reflective paper.

Prof. Woo suggested that the term "graduate minor" be used for programs presenting two concurrent conditions: a course of study that is credit bearing *and* counts towards the completion of a degree. The

term "certificate" might be broader, she said. It might cover a course of study that is credit-bearing or not, and counts towards a degree or not.

Ms. Chantem asked if, once approved, there will be accommodations in the Gender Studies program for existing students. Prof. Holland answered that a memorandum of understanding exists that allows some grandfathering of existing students.

Prof. Holland asked Council members to put aside nomenclature for the moment and vote if, on principle, the Graduate School should issue a credential that, as set forth in the proposed template, provides students with a way of demonstrating their efforts to supplement work in a primary degree program with an additional substantial expertise. If the vote is affirmative, he said, new and existing programs at Notre Dame would need to seek approval for such courses of study. As set forth in the template, proposals would contain descriptions such as the necessity for the course of study, requirements for it, and the names and credentials of faculty members involved in teaching courses. The vote was unanimous in favor of allowing and recognizing such courses of study.

In further discussion of the distinction between graduate "minors" and "certificates," Prof. Maziar suggested that "minors" might be courses of study that appear on a student's transcript and "certificates" those that are included on a CV.

Members also discussed whether certificate programs like the Kaneb's must be approved by the Graduate Council. Prof. Holland said that he will discuss with Prof. Hahn, director of the Kaneb Center, how to proceed with its existing certificate programs. In his view, the Graduate School and the Graduate Council should be concerned about credentials that appear on graduate students' résumés, whether or not they result in credit.

Prof. Holland called for a vote on the following question: Should courses of study defined by the Graduate School's template as those that "supplement work in a primary degree program with an additional substantial expertise" and that appear on students' transcripts because they result in credit be called graduate "certificates" or "minors"? The term "minor" prevailed.

In response to a question from Prof. Woo, Prof. Holland clarified that while the kind of proposal the Gender Studies Program has fashioned will be called a *graduate minor*, other courses of study, such as those offered by the Kaneb Center, may result in a different sort of recognition, one that ultimately may be called a *certificate*.

6. Preliminary Report on the Fall 2006 Survey of Graduate and Professional Students: Academic Life at Notre Dame:

Dr. Gonzales gave a brief presentation on the Fall 2006 survey of graduate and professional students. He noted a few key findings—for example, overall, 80% of students are satisfied with their academic experience at Notre Dame; 87% are satisfied with their particular field of study; and 91% would recommend Notre Dame to someone else in their field of study. He also noted that no matter how the survey results are "sliced," financial support and the quality of a particular academic program are key factors in students' decision to pursue graduate studies at Notre Dame.

Prof. Holland noted that the next step is for various survey results to be separated out by department. Specific responses of the students, for example, as to the adequacy of mentoring, will inform actions of both the Graduate School and individual departments.

There being no further business, Prof. Holland adjourned the meeting at 5:05 p.m.

Research

Awards and Proposal Summary

12/01/2007 to 12/31/2007

Awards Received

Category	No.	Amount
Research	18	\$1,096,852
Total:	18	\$1,096,852

Proposals Submitted

Category	No.	Amount
Research	28	\$11,407,105
Total:	28	\$11,407,105

December 2007 Cumulative summary

Awards Received

Category	07.01.2005 - 12.31.2005		07.01.2006 - 12.31.2006		07.01.2007 - 12.31.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	180	\$29,687,338	211	\$39,474,519	173	\$42,373,601
Facilities and Equipment						
Instructional Programs	2	\$262,796	6	\$729,452	6	\$772,219
Other Programs						
Service Programs					1	\$6,500
Total:	182	\$29,950,134	217	\$40,203,971	180	\$43,152,320

Proposals Submitted

Category	07.01.2005 - 12.31.2005		07.01.2006 - 12.31.2006		07.01.2007 - 12.31.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	416	\$95,392,678	404	\$156,334,190	356	\$129,171,635
Facilities and Equipment						
Instructional Programs	5	\$2,750,613	14	\$1,740,402	10	\$1,148,358
Other Programs	1	\$5,000				
Service Programs						
Total:	422	\$98,148,291	418	\$158,074,592	366	\$130,319,993

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

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

Awards received during the period Dec-01-2007 to Dec-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office: Aerospace and Mechanical Engineering				
Corke, Thomas C. (Center or Institute) Matlis, Eric H.	Plasma Bumps for Cross-Flow Turbulent Transition Prediction and Control.	National Aeronautics and Space Administration	\$175,166	36
Dunn, Patrick F. (Center or Institute)	Electrospray Physics	Corporate Funding	\$9,000	2
Jumper, Eric J. (Center or Institute) Cavalieri, David	Toward Adaptive-Optic Mitigation of Aero-Optic Effects	Department of the Air Force	\$69,941	21
Jumper, Eric J. (Center or Institute) Cavalieri, David	Directed Energy Beam Improvement - Binary Control for Advanced Tactical Laser (DEBI-BATL)	Corporate Funding	\$34,157	32
Department or Office: Biological Sciences				
Suckow, Mark Allen (Center or Institute)	2007-08 IPA Agreement	Veteran Affairs Medical Center	\$4,235	3
Department or Office: Chemical and Biomolecular Engineering				
Bohn, Paul W.	In Silico Biomimetic Sensor for Rapid Testing of Water Resources	U.S. Army Corps of Engineers	\$55,000	23
Brennecke, Joan F. Stadtherr, Mark A. (Center or Institute)	Using Ionic Liquids in the Development of New Gas Separations Methodologies.	National Institute of Advanced Industrial Science and Techno	\$75,010	48

Awards received during the period Dec-01-2007 to Dec-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Maginn, Edward J.	Technologies for Developing Predictive Atomistic and Coarse-Grained Force Fields for Ionic Liquid Property Prediction	Corporate Funding	\$17,500	9
McCready, Mark J.	Entrainment in two-phase gas-liquid flows	Corporate Funding	\$2,500	21
Department or Office:	Chemistry and Biochemistry			
Peng, Jeffrey W.	Ensemble-Based Design of Novel HIV Protease Inhibitors	University of Massachusetts Medical School	\$37,590	11
Department or Office:	Computer Science & Engineering			
Poellabauer, Christian Striegel, Aaron	REU-Site: Experimental Research on Wireless Networking.	National Science Foundation	\$100,250	36
Department or Office:	Economics and Econometrics			
Evans, William N.	Does Higher Family Incomes Produce Better Child Health: Evidence from the 1993 Expansion of the Earned Income Tax Credit.	Private Foundation	\$131,477	24
Department or Office:	Electrical Engineering			
Hall, Douglas C. Fay, Patrick J. (Center or Institute) Kosel, Thomas H.	GaAs MOSFET Development Collaborative Research Agreement	Corporate Funding	\$118,171	33

Awards received during the period Dec-01-2007 to Dec-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Porod, Wolfgang Bernstein, Gary H. Fay, Patrick J. (Center or Institute)	Focal Plane array processors with adaptive visual range and millimeter wave sensors	Corporate Funding	\$180,000	33
Department or Office: History				
Noble, Thomas F. (Center or Institute)	Enhancing Byzantine Studies at the University of Notre Dame.	National Endowment for the Humanities	\$10,000	68
Department or Office: Mathematics				
Migliore, Juan C.	Hilbert Functions and Multiplicity	National Security Agency	\$27,135	24
Department or Office: Physics				
Bennett, David P. (Center or Institute)	Mass and Distance of the Sub-Saturn Microlensing Planet OGLE-2007-BLG-349L1	Space Telescope Science Institute	\$9,720	24
Department or Office: Sociology				
Cardenas, Gilberto (Center or Institute) Ready, Timothy	National Alliance on Latino Economic Progress Project	Private Foundation	\$40,000	30

Proposals submitted during the period Dec-01-2007 to Dec-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Goodwine, John W.	CDI-Type II: Cyber-Enhanced Conceptual Design of Complex Engineering Systems.	National Science Foundation	\$1,634,394	48
Batill, Stephen M.				
Sen, Mihir				
Department or Office:	Art, Art History and Design			
Rhodes, Robin F.	Study and Publication of the Greek Stone Architecture at Corinth.	Private Foundation	\$7,500	12
Rhodes, Robin F.	Study and Publication of the Greek Stone Architecture at Corinth.	American School of Classical Studies at Athens	\$7,500	12
Department or Office:	Biological Sciences			
Besansky, Nora J.	Ecological Genomics of Anopheles Gambiae.	National Institutes of Health	\$577,575	12
Duman, John G.	Feasibility of Unfrozen Subzero Storage of Mammalian Tissues with Insect Antifreeze Proteins.	Corporate funding	\$24,870	6
Lodge, David M.	Human-induced Regime Shifts in Lakes: Biological and Economic Joint Determination of the Reversibility and Value of Alternative Ecosystem States.	National Science Foundation	\$1,602,395	60
Streit, Thomas G.	Asante Bridge Funding	Private Foundation	\$18,400	11
Streit, Thomas G.	AREF (Atlanta Research and Education Foundation)	Atlanta Research and Education Foundation	\$40,000	6
Tank, Jennifer L.	Collaborative Research: Using Empirical and Modeling Approaches to Extend Nutrient Spiraling from Rivulets to Rivers.	National Science Foundation	\$297,667	36
Department or Office:	Chemistry and Biochemistry			
Krchnak, Viktor	Center of Excellence in Chemical Libraries at Notre Dame.	National Institutes of Health	\$1,590,000	12
Miller, Marvin J.				
Taylor, Richard E.				

Proposals submitted during the period Dec-01-2007 to Dec-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Civil Engineering and Geological Sciences			
Silliman, Stephen E.	Induced Flow in the Vadose Zone: From Numerical and Lab Results to the Field-Scale	National Science Foundation	\$259,776	36
Silliman, Stephen E.	Iterative Field and Numerical Strategy for Improving Prediction of High-Density Transport in a Complex Hydrogeologic Regime: Benin, West Africa	National Science Foundation	\$441,581	36
Department or Office:	Computer Science & Engineering			
Bowyer, Kevin W.	CDI-Type I: Learning Visual Lookmarks	University of South Florida	\$115,540	36
Brockman, Jay B. Chawla, Nitesh V.	Utilization of an Electronic Portfolio to Evaluate the Impact of Grade 7 to 10	University of Maryland	\$471,886	60
Chawla, Nitesh V.	III-COR: Mining When Imbalance and Costs Confound.	National Science Foundation	\$294,957	36
Kogge, Peter M.	Collaborative Research: Transforming Computing for an Energy-Conscious Society	National Science Foundation	\$1,300,619	60
Poellabauer, Christian	NGNI-Small: User-Centric Ubiquitous Services.	National Science Foundation	\$360,336	36
Department or Office:	Electrical Engineering			
Bernstein, Gary H. Fay, Patrick J.	Quilt Packaging Development	Corporate Funding	\$126,000	12
Department or Office:	Mathematics			
Xu, Zhiliang	Uniformly High-Order Accurate Space-Time Finite Volume and Finite Element Schemes to Compute Discontinuous Solutions.	National Science Foundation	\$121,354	36
Department or Office:	Philosophy			
Jauernig, Anja	Kant on Space.	National Science Foundation	\$108,450	12

Proposals submitted during the period Dec-01-2007 to Dec-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Physics				
Balsara, Dinshaw S. Zhang, Yongtao	Self-Adaptive High Accuracy Shock-Capturing Schemes for Euler and MHD Flows.	Department of Energy	\$520,874	36
Blackstead, Howard A.	Magnetic Superconductors	Department of Energy	\$1,082,280	36
Furdyna, Jacek K. Liu, Xinyu Dobrowolska-Furdyna, Malgorzata	Monolithically Integrated Light Weight Multijunction Solar Cells with Ultrahigh Efficiency.	Arizona State University	\$185,000	36
Garnavich, Peter M.	Optimizing Future Supernova Dark Energy Surveys	Department of Energy	\$44,325	12
Howk, Jay C. Lehner, Nicolas	Peering Through the LMC -- Feedback in the Nearest Disk Galaxy.	National Aeronautics and Space Administration	\$25,000	12
Wiescher, Michael C.	KVI-ELISe Project	Kernfysisch Versneller Institut	\$105,354	12
Department or Office: Psychology				
Bergeman, Cindy S. Monroe, Scott M.	Understanding Stress in Old Age: Physiology, Assessment, and Meaning.	National Institutes of Health	\$40,972	11
Department or Office: Robinson Community Learning Center				
Kyes, Ellen G.	Take Ten Operating Support.	Saint Joseph Regional Medical Center	\$2,500	12

Awards and Proposal Summary**Centers and Institutes Report****12/01/2007 to 12/31/2007****Awards Received**

Department or Office	No.	Amount
Center for Astrophysics	1	\$9,720
Center for Flow Physics and Control	4	\$288,264
Freimann Life Science Center	1	\$4,235
Institute for Latino Studies	1	\$40,000
Medieval Institute	1	\$10,000
ND Energy Center	1	\$75,010
Nano Science and Technology Center	2	\$298,171
Total:	11	\$725,400

Proposals Submitted

Department or Office	No.	Amount
Center for Aquatic Conservation	1	\$1,602,395
Center for Astrophysics	2	\$69,325
Center for Global Health and Infectious Diseases	3	\$635,975
Joint Institute for Nuclear Astrophysics	1	\$105,354
ND Energy Center	1	\$1,300,619
Robinson Community Learning Center	1	\$2,500
Total:	9	\$3,716,168

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 12/31/2007

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Alliance for Catholic Education	1	\$277,500
Biological Sciences	1	\$210,000
Center for Applied Mathematics	1	\$120,000
Center for Aquatic Conservation	2	\$955,637
Center for Astrophysics	4	\$292,720
Center for Children and Families	2	\$1,820,117
Center for Flow Physics and Control	12	\$1,163,506
Center for Global Health and Infectious Diseases	6	\$6,037,893
Center for Microfluidics and Medical Diagnostics	3	\$1,024,605
Center for Research Computing	1	\$98,332
Center for Social Concerns	1	\$8,874
Center for Transgene Research	1	\$355,568
Center for Zebrafish Research	1	\$250,547
Center for the Study of Religion and Society	1	\$25,000
Environmental Research Center	1	\$169,998
Freimann Life Science Center	2	\$104,235
Gigot Center	1	\$14,700
Institute for Church Life	1	\$10,000
Institute for Latino Studies	4	\$265,000
Institute for Theoretical Sciences	1	\$57,976
Interdisciplinary Center for the Study of Biocomplexity	1	\$346,252
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Joint Institute for Nuclear Astrophysics	1	\$86,250
Kellogg Institute for International Studies	2	\$167,625
Medieval Institute	1	\$10,000
ND Energy Center	2	\$125,010
Nano Science and Technology Center	13	\$3,101,563
Nuclear Structure Laboratory	3	\$2,091,250
Radiation Laboratory	3	\$34,318
Robinson Community Learning Center	3	\$66,500
Walther Cancer Research Center	4	\$973,552
Total:	83	\$20,392,408

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

07/01/2007 to 12/31/2007

Proposed Summary

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Biological Sciences	1	\$45,883
Center for Aquatic Conservation	7	\$7,334,534
Center for Astrophysics	7	\$704,347
Center for Children and Families	1	\$667,858
Center for Complex Network Research	1	\$143,115
Center for Educational Opportunity	1	\$35,000
Center for Ethics and Culture	1	\$103,500
Center for Flow Physics and Control	17	\$3,622,307
Center for Global Health and Infectious Diseases	11	\$4,258,651
Center for Microfluidics and Medical Diagnostics	4	\$1,115,747
Center for Philosophy of Religion	4	\$120,000
Center for Transgene Research	5	\$1,315,505
Center for Zebrafish Research	4	\$1,071,240
Center for the Study of Religion and Society	1	\$25,000
East Asian Languages and Literatures	1	\$1,500,000
Freimann Life Science Center	2	\$521,572
Institute for Church Life	1	\$197,000
Institute for Latino Studies	9	\$828,892
Institute for Theoretical Sciences	1	\$86,964
Interdisciplinary Center for the Study of Biocomplexity	1	\$878,610
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Joint Institute for Nuclear Astrophysics	5	\$15,832,347
Kellogg Institute for International Studies	4	\$160,000
Kroc Institute for International Peace Studies	2	\$230,079
Lobund Laboratory	1	\$69,203
Medieval Institute	1	\$100,000
ND Energy Center	5	\$4,551,908
Nano Science and Technology Center	17	\$13,840,981
Nuclear Structure Laboratory	1	\$6,435,338
Radiation Laboratory	5	\$485,754
Robinson Community Learning Center	8	\$99,000
Walther Cancer Research Center	4	\$917,000
Total:	136	\$67,425,215

Awards received during the period Dec-01-2007 to Dec-31-2007

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Center for Astrophysics				
Bennett, David P. (Center or Institute)	Mass and Distance of the Sub-Saturn Microlensing Planet OGLE-2007-BLG-349L1	Space Telescope Science Institute	\$9,720	007272-001
Department or Office: Center for Flow Physics and Control				
Dunn, Patrick F. (Center or Institute)	Electrospray Physics	Corporate Funding	\$9,000	007274-001
Corke, Thomas C. (Center or Institute)	Plasma Bumps for Cross-Flow Turbulent Transition Prediction and Control.	National Aeronautics and Space Administration	\$175,166	007270-001
Matlis, Eric H.				
Jumper, Eric J. (Center or Institute)	Directed Energy Beam Improvement - Binary Control for Advanced Tactical Laser (DEBI-BATL)	Corporate Funding	\$34,157	006864-001
Cavalieri, David				
Jumper, Eric J. (Center or Institute)	Toward Adaptive-Optic Mitigation of Aero-Optic Effects	Department of the Air Force	\$69,941	006733-001
Cavalieri, David				
Department or Office: Freimann Life Science Center				
Suckow, Mark Allen (Center or Institute)	2007-08 IPA Agreement	Veteran Affairs Medical Center	\$4,235	000388-001
Department or Office: Institute for Latino Studies				
Cardenas, Gilberto (Center or Institute)	National Alliance on Latino Economic Progress Project	Private Foundation	\$40,000	005852-001
Ready, Timothy				
Department or Office: Medieval Institute				
Noble, Thomas F. (Center or Institute)	Enhancing Byzantine Studies at the University of Notre Dame.	National Endowment for the Humanities	\$10,000	007278-001
Department or Office: ND Energy Center				
Brennecke, Joan F. Stadtherr, Mark A. (Center or Institute)	Using Ionic Liquids in the Development of New Gas Separations Methodologies.	National Institute of Advanced Industrial Science and Techno	\$75,010	007271-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nano Science and Technology Center				
Hall, Douglas C. Fay, Patrick J. (Center or Institute) Kosel, Thomas H.	GaAs MOSFET Development Collaborative Research Agreement	Corporate Funding	\$118,171	006754-001
Porod, Wolfgang Bernstein, Gary H. Fay, Patrick J. (Center or Institute)	Focal Plane array processors with adaptive visual range and millimeter wave sensors	Corporate Funding	\$180,000	006681-001

Proposals submitted during the period Dec-01-2007 to Dec-31-2007

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Aquatic Conservation			
Lodge, David M.	Human-induced Regime Shifts in Lakes: Biological and Economic Joint Determination of the Reversibility and Value of Alternative Ecosystem States.	National Science Foundation	\$1,602,395	08060367
Department or Office:	Center for Astrophysics			
Garnavich, Peter M.	Optimizing Future Supernova Dark Energy Surveys	Department of Energy	\$44,325	08060359
Howk, Jay C. Lehner, Nicolas	Peering Through the LMC -- Feedback in the Nearest Disk Galaxy.	National Aeronautics and Space Administration	\$25,000	08060353
Department or Office:	Center for Global Health and Infectious Diseases			
Besansky, Nora J.	Ecological Genomics of Anopheles Gambiae.	National Institutes of Health	\$577,575	08060350
Streit, Thomas G.	Asante Bridge Funding	Private Foundation	\$18,400	08060362
Streit, Thomas G.	AREF (Atlanta Research and Education Foundation)	Atlanta Research and Education Foundation	\$40,000	08060363
Department or Office:	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C.	KVI-ELISe Project	Kernfysisch Versneller Institut	\$105,354	08060361
Department or Office:	ND Energy Center			
Kogge, Peter M.	Collaborative Research: Transforming Computing for an Energy-Conscious Society	National Science Foundation	\$1,300,619	08060370
Department or Office:	Robinson Community Learning Center			
Kyes, Ellen G.	Take Ten Operating Support.	Saint Joseph Regional Medical Center	\$2,500	08060368

Awards and Proposal Summary

01/01/2008 to 01/31/2008

Awards Received

Category	No.	Amount
Research	35	\$3,566,143
Instructional Programs	1	\$4,500
Total:	36	\$3,570,643

Proposals Submitted

Category	No.	Amount
Research	87	\$50,701,954
Instructional Programs	1	\$5,900
Total:	88	\$50,707,854

January 2008 Cumulative summary**Awards Received**

Category	07.01.2005 - 01.31.2006		07.01.2006 - 01.31.2007		07.01.2007 - 01.31.2008	
	No.	Amount	No.	Amount	No.	Amount
Research	216	\$39,149,665	241	\$42,860,795	208	\$45,939,744
Facilities and Equipment						
Instructional Programs	2	\$262,796	6	\$729,452	7	\$776,719
Other Programs						
Service Programs					1	\$6,500
Total:	218	\$39,412,461	247	\$43,590,247	216	\$46,722,963

Proposals Submitted

Category	07.01.2005 - 01.31.2006		07.01.2006 - 01.31.2007		07.01.2007 - 01.31.2008	
	No.	Amount	No.	Amount	No.	Amount
Research	499	\$118,298,494	491	\$182,093,318	443	\$179,883,589
Facilities and Equipment						
Instructional Programs	6	\$3,163,978	17	\$3,312,347	11	\$1,154,258
Other Programs	1	\$5,000	1	\$9,750		
Service Programs						
Total:	506	\$121,467,472	509	\$185,415,415	454	\$181,037,847

Awards received during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	High-Resolution Time Resolved Measurements of Unsteady Flow Separation in High Reynolds Number Boundary Layers Relevant to Helicopter Rotor Dynamics	Department of Army	\$107,595	20
Dunn, Patrick F. Thomas, Flint O. Corke, Thomas C. (Center or Institute) Ibrahim, Abdelmaged H.	Feasibility Study of Plasma-Actuated Assisted Compression.	Corporate Funding	\$20,000	9
Morris, Scott C. Corke, Thomas C. (Center or Institute)	Aero-Mechanical Coupling in a High Speed Compressor	Department of the Air Force	\$109,112	21
Wang, Meng (Center or Institute)	Computational Study of Rough-Wall Boundary-Layer Noise	Department of Navy	\$80,000	36
Department or Office:	Art, Art History and Design			
Rhodes, Robin F.	Study and Publication of the Greek Stone Architecture at Corinth.	American School of Classical Studies at Athens	\$7,500	12
Rhodes, Robin F.	Study and Publication of the Greek Stone Architecture at Corinth.	Private Foundation	\$7,500	12
Department or Office:	Biological Sciences			
Fraser, Malcolm J. (Center or Institute)	Engineering Transgenic Silkworms to Produce Synthetic Spider Silk Fibers	University of Wyoming	\$80,000	12

Awards received during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Fraser, Malcolm J. (Center or Institute)	A Novel Transgenic Silkworm System for Recombinant Glycoprotein Production	University of Wyoming	\$149,872	10
Streit, Thomas G. (Center or Institute)	AREF (Atlanta Research and Education Foundation)	Atlanta Research and Education Foundation	\$40,000	6
Streit, Thomas G. (Center or Institute)	Asante Foundation Grant in Support of the Haiti Project	Corporate Funding	\$18,400	24
Whaley, Michelle A. Boyd, Sunny K.	REU Site in Integrative Cellular and Molecular Biology	National Science Foundation	\$88,675	60
Department or Office:	Chemical and Biomolecular Engineering			
Maginn, Edward J.	Determination of Physical Properties of Ionic Liquids Using Molecular Simulations	Department of the Air Force	\$115,000	12
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	CAREER: Assembly and Dynamics of Class I Peptide/MHC Complexes	National Science Foundation	\$140,000	48
Mobashery, Shahriar	Resistance to Beta-Lactam Antibiotics	National Institutes of Health	\$283,144	12
Sevov, Slavi C.	Chemistry of Deltahedral Zintl Ions and Their Organically-Functionalized Derivatives.	National Science Foundation	\$115,000	24
Vakulenko, Sergei	Aminoglycoside Resistance in Enterococci	National Institutes of Health	\$262,170	12

Awards received during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Civil Engineering and Geological Sciences				
Kurama, Yahya C.	Hybrid Precast Wall Systems for Seismic Regions	Private Foundation	\$165,000	35
Talley, Jeffrey W.	Escherichia Coli Sensor Development and Demonstration for South Bend, IN	City of South Bend	\$36,153	12
Department or Office: Computer Science & Engineering				
Chandra, Surendar	CAREER: Scalable Self Managing Multimedia Storage	National Science Foundation	\$79,973	50
Poellabauer, Christian	CAREER: Judicious Resource Management in Wireless Service Sharing Environments	National Science Foundation	\$80,420	60
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	\$92,490	60
Department or Office: Electrical Engineering				
Jena, Debdeep (Center or Institute)	CAREER: Dielectric Engineering of Quantum-Wire solids: Fundamentals to Applications	National Science Foundation	\$112,298	63
Seabaugh, Alan C. (Center or Institute)	III-V Tunnel SRAM	Corporation Funding	\$150,000	24
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	\$29,167	60
Department or Office: History				
Noble, Thomas F. (Center or Institute)	Enhancing Byzantine Studies at Notre Dame.	Gladys KriebelDelmas Foundation	\$20,000	12

Awards received during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Van Engen, John H. (Center or Institute)	The Spirit of the Twelfth Century: Reason, Reading, and Revolt in a World of Custom.	National Endowment for the Humanities	\$50,400	12
Department or Office: Newlands, Samuel	Philosophy Reconceiving Spinoza	National Endowment for the Humanities	\$50,400	12
Department or Office: Wayne, Mitchell R. Hildreth, Michael D.	Physics Scintillator Based Muon System R & D for a Linear Collider	University of Oregon	\$87,500	36
Department or Office: Borkowski, John G.	Psychology Reading is Fundamental	Georgetown University	\$10,000	49
Cummings, E. M. Cummings, Jennifer (Center or Institute) Faircloth, William B.	Marital Conflict Focused Parent Education for Families with Adolescents	Private Foundation	\$405,995	24
Cummings, E. M. (Center or Institute)	Family Process: Emotional Security, and Child Adjustment	University of Rochester	\$283,099	12
Eberhard, Kathleen M.	Effective Human-Robot Interaction Under Time Pressure Through Robust Natural Language Dialogue.	Indiana University Bloomington	\$13,240	61
Department or Office: Kamat, Prashant V. (Center or Institute)	Radiation Laboratory The Journal of Physical Chemistry	American Chemical Society	\$203,600	75
Department or Office: Caponigro, Jerome V. (Center or Institute)	Robinson Community Learning Center Take Ten Project Support.	Corporate Funding	\$60,000	24

Awards received during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Sociology				
Cardenas, Gilberto (Center or Institute)	Learning Generation Initiative: Plazas Comunitarias Project	Learning Generation Initiative	\$12,440	12

Awards for Instructional Programs

Department or Office: Theology				
Shappell, Andrea S. (Center or Institute)	Summer Service Learning Program	Private Foundation	\$4,500	4

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	ACE Educational Outreach			
Johnstone, Joyce V. Morris, Karen M.	Advanced Placement Bridge Project Management Support.	Private Foundation	\$50,000	12
Department or Office:	Anthropology			
Chesson, Meredith S.	Numeira: Excavations at the Town Site (1977-1983) Volume 4 of the final Publications of the Expedition to the Dead Sea Plain, Jordan	Harvard University	\$30,000	9
Fuentes, Agustin Hollocher, Hope	Balinese Macaques: A Model of Human Evolution in a Pathogenic Environment.	Private Foundation	\$11,112	12
Glowacki, Donna M.	Coupled Natural & Human Ecosystems Over Long Periods: Pueblo Ecodynamics	Washington State University	\$92,495	60
Department or Office:	Biological Sciences			
Belovsky, Gary E.	Collaborative Research: Experimentally unravelling the roles of different herbivores in the ecosystem functioning: prairie insects, rodents and ung...	National Science Foundation	\$515,510	36
Besansky, Nora J.	PBI: Mosquitoes of the World	National Science Foundation	\$2,999,680	60
Feder, Jeffrey L.	DNA and Morphometric Diagnostics for Apple and Snowberry Maggot Flies.	Washington Tree Fruit Research Commission	\$10,000	12

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Hager, Kristin M.	Secreted Virulence Factors in <i>Toxoplasma gondii</i>	American Heart Association	\$132,000	24
Hellmann, Jessica J.	COLLABORATIVE RESEARCH: Assessing temperature-related changes in Introgression of Hybridizing Species across Time and Space	National Science Foundation	\$286,138	24
Hollocher, Hope Madey, Gregory R. Fuentes, Agustin	CDI-Type II: Agent-based Modeling of Multi-Scalar Dynamics: Interspecies Interactions and Pathogen Landscapes	National Science Foundation	\$1,269,373	48
Lamberti, Gary A. Tank, Jennifer L. Chaloner, Dominic T.	LTREB: Long-Term Evaluation of Salmon Effects and Environmental Variation in River Ecosystems of Southeast Alaska.	National Science Foundation	\$449,583	60
McDowell, Mary A.	IL-12 Regulation in Leishmania Infected Dendritic Cells	National Institutes of Health	\$248,898	12
O'Tousa, Joseph E.	Genetic Analysis of Retinal Degeneration	National Institutes of Health	\$327,713	12
Romero-Severson, Jeanne	TPGR: Genetic Maps for the Genus <i>Quercus</i>	National Science Foundation	\$1,822,287	36

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Schorey, Jeffrey S.	Macrophage Signaling Upon M. Avium Infection	National Institutes of Health	\$284,454	12
Schorey, Jeffrey S.	M. Avium GPLs in Macrophage Activation and Virulence	National Institutes of Health	\$313,742	12
Schulz, Robert A.	Genetic Control of Cardioblast Gene Expression and Heart Tube Morphogenesis.	National Institutes of Health	\$364,125	12
Severson, David W. Romero-Severson, Jeanne	Comparative Genomics of Autogeny in Mosquitoes.	National Institutes of Health	\$672,446	12
Suckow, Mark A.	Development of Tissue Support Implant	Corporate Funding	\$40,666	24
Suckow, Mark A.	Tissue Vaccines and Extracellular Matrices as a Prostate Cancer Vaccine	Corporate Funding	\$205,268	24
Thummel, Ryan	The Platinum Zebrafish Mutant is a Model for Studying the Mechanism Underlying Vision Defects Associated with Albinism.	Private Foundation	\$75,275	12

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Chemical and Biomolecular Engineering			
Brennecke, Joan F.	Energy Assistance Project for the Indiana Dunes National Lakeshore.	National Park Service	\$15,180	12
Schneider, William F. Gezelter, J. D. Corcelli, Steven A. Maginn, Edward J.	CDI-Type II: An Integrated Framework for Simulating Chemical Reactivity in Complex Interfacial Systems.	National Science Foundation	\$1,369,013	48
Department or Office:	Chemistry and Biochemistry			
Ashfeld, Brandon L.	Targeting Cytotoxic Anti-Cancer Agents Utilizing an Enantioselective Chromium-Catalyzed Domino Reaction Sequence	Department of Navy	\$400,000	36
Gupta, Kamlesh K.	Interactions Between EB1, Tubulin, and Microtubules: Implications for EB1 Function	American Heart Association	\$112,269	24
Hartland, Gregory V.	Energy Relaxation and Vibrational Dynamics of Metal Nanoparticles	Argonne National Laboratory	\$0	12
Hartland, Gregory V.	Construction of an Instrument for Single-Particle Transient Absorption Measurements Based on Asynchronous Optical Sampling	National Science Foundation	\$314,270	12

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Krchnak, Viktor	Imidazole-Based cis-Peptide Bond Mimetics	Corporate Funding	\$30,000	12
Krchnak, Viktor	Novel Drug-Like Heterocyclic Diversity	National Institutes of Health	\$224,400	12
Miller, Marvin J. Krchnak, Viktor	Novel Derivatization/Functionaliz of Natural Products	National Institutes of Health	\$369,860	12
Miller, Marvin J.	Design and Syntheses of a New Class of Small Molecule Inhibitors of Breast Cancer	Department of Defense	\$112,500	12
Miller, Marvin J.	Syntheses and Studies of Novel and Selective Anti-Breast Cancer Agents Based on the Structures of Microbial Iron Chelators	Department of Defense	\$112,500	12
Miller, Marvin J.	Synthesis and Evaluation of Small Molecules of Novel Design for the Chemotherapeutic Treatment of Breast Cancers	Department of Defense	\$112,500	12
Miller, Marvin J.	Design, Syntheses and Studies of Novel Antituberculosis Agents	National Institutes of Health	\$391,102	12

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Mobashery, Shahriar	Penicillin-Binding Proteins, Mechanism and Inhibition	National Institutes of Health	\$263,121	12
Mobashery, Shahriar	Ribosomal Function & Antibiotic Design	National Institutes of Health	\$267,689	12
Mobashery, Shahriar	Resistance to beta-Lactam Antibiotics	National Institutes of Health	\$364,500	12
Taylor, Richard E.	International Collaboration in Chemistry: A Common Pharmacophore for Polyketide Inhibitors of Protein Synthesis.	National Science Foundation	\$672,877	36
Department or Office:	Civil Engineering and Geological Sciences			
Fein, Jeremy B. Shrout, Joshua Bunker, Bruce A.	An Integrated Approach to Quantifying the Role of Extracellular Polysaccharides in Metal Binding in Geologic Systems	National Science Foundation	\$407,129	36
Kareem, Ahsan Kijewski-Correa, Tracy L. Madey, Gregory R.	CDI-Type II: Engineering Cyber Design Studio.	National Science Foundation	\$1,206,846	48
Kijewski-Correa, Tracy L.	Dynamic Properties of Apartment Building Based on Monitoring for the Justification of Structural Renovation	Seoul National University of Technology	\$29,997	29

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Shrout, Joshua	Identification of structural and genetic factors critical to the production of microbial biopolymers with desirable properties	U.S. Army Corps of Engineers	\$75,001	18
Talley, Jeffrey W.	MRI: Development of a Laser Desorption - Direct Analysis In Real Time - Time of Flight Mass Spectrometer.	National Science Foundation	\$90,273	24
Department or Office:	Computer Science & Engineering			
Chaudhary, Amitabh	COLLABORATIVE RESEARCH: CDI-Type II: Economies of Scale in the Management and Analysis of Online Scientific Data.	University of Maryland	\$390,164	48
Chawla, Nitesh V.	CDI-Type II: New Computation Tools for Shaping Transportation Systems in Complex Urban Environments.	National Science Foundation	\$1,051,448	48
Chawla, Nitesh V.	CDI-TYPE II: Cyber Enabled Prospective Health Care and Network Medicine.	National Science Foundation	\$1,476,179	48
Chawla, Nitesh V.	Modeling Behavior in Complex Networks	Corporate Funding	\$29,000	9

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Emrich, Scott	ORAU: Towards Petascale Gene Modeling and Biomass Crop Improvement.	Oak Ridge Associated Universities	\$5,000	24
Hu, Xiaobo Zhou, Bo Chen, Danny Z.	Design and Development of an FPGA System for Accelerating Radiation Dose Calculation Based on a Monte-Carlo Method.	Corporate Funding	\$152,139	18
Poellabauer, Christian	Configurable QoS-Aware Routing in Wireless and Mobile Ad-Hoc Networks.	Department of Navy	\$299,999	36
Department or Office:	Electrical Engineering			
Antsaklis, Panos J.	Collaborative Research: Passivity-based Architecture for Software Design of Dynamic Networked Systems	National Science Foundation	\$334,881	36
Collins, Oliver M.	Improved Waveform Quantization for Digital-Analog Interface	National Science Foundation	\$371,432	36
Jena, Debdeep Seabaugh, Alan C. Merz, James L. Xing, Huili Sen, Mihir	MRI: Acquisition of Instrumentation for Scanning Probe Thermography of Nanoscale Semiconductor Devices and Student Training and Education.	National Science Foundation	\$230,769	36

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Jena, Debdeep Mintairov, Alexander Merz, James L. Xing, Huili Sen, Mihir	Development of a Scanning-Probe Electron and Lattice Thermograph (SPELT) for Semiconductor Device Metrology And Student Education and Training	National Science Foundation	\$300,000	24
Lent, Craig S.	E: Learning Physics by Building MATLAB Tools	National Science Foundation	\$446,308	36
Xing, Huili	Ultrashallow AlN/GaN heterostructures for ultrafast high-power transistors	Department of Navy	\$300,000	36
Department or Office:	History			
Appleby, Robert S.	Religion and the State: Islam and Roman Catholicism Compared	Private Foundation	\$126,800	14
Lyandres, Semion	The Fall of Tsarism: Untold Stories of the February 1917 Revolution	Private Foundation	\$35,000	12
Noble, Thomas F. Roche, Mark W.	Advancing Byzantine Studies at the University of Notre Dame	Private Foundation	\$800,000	10
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	Documents of 20th Century Latin American and Latino Art	Museum of Fine Arts, Houston	\$16,490	12

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Mathematics				
Alber, Mark S.	Integrated Multiscale Modeling and Experimental Study of Thrombus Development	National Institutes of Health	\$290,113	12
Alber, Mark S.	Integrated Modeling and in vivo Experimental Study of Blood Clot Development	National Institutes of Health	\$191,102	12
Alber, Mark S.	Testing a Mechanism for Periodic Patterning in Limb Bud Mesenchyme	New York Medical College	\$300,000	36
Cao, Jianguo	Global Riemannian Geometry and Analysis of curved spaces	National Science Foundation	\$39,450	24
Connolly, Francis X.	EMSW21-MCTP Notre Dame Honors Mathematics Program and the Seminar for Undergraduate Mathematical Research	National Science Foundation	\$121,902	36
Himonas, Alex A. Sommese, Andrew J. Cosimano, Thomas F.	CDI-Type II: Overcoming the Curse of Dimensionality to Solve Dynamic Policy Games in the Social Sciences	National Science Foundation	\$1,113,246	48
Sommese, Andrew J. Hu, Bei Dwyer, William G.	Numerical Algebraic Geometry and Nonlinear Partial Differential Equations	DARPA	\$1,916,358	36

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Zhang, Yongtao	ORAU: High Order Accuracy Numerical Methods on Unstructured Meshes and Their Applications in Computational Biology.	Oak Ridge Associated Universities	\$5,000	12
Department or Office:	Philosophy			
Shrader-Frechette, Kristin Porod, Wolfgang	Nanoethics, Risk, and Informed Consent.	National Science Foundation	\$239,513	36
Department or Office:	Physics			
LaVerne, Jay A.	International Collaboration in Chemistry: Hydrogen Production from Surface Water on Plutonia and Irradiated Surrogates.	National Science Foundation	\$470,032	36
Mathews, Grant J. Garnavich, Peter M. Berry, Henry G.	Confirmation Studies for the Deuterium Crystalline Cell Reactor (the "DC2") Technology.	Corporate Funding	\$1,289,003	24
Poirier, John A.	GRAND - A Component of a Muon Detector Network Collaborative Response to Study Space Weather	National Science Foundation	\$444,576	36
Wiescher, Michael C.	PFC: Joint Institute for Nuclear Astrophysics, JINA	National Science Foundation	\$15,134,944	60

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Wiescher, Michael C. Lamm, Larry O. Goerres, Joachim Collon, Philippe A. Tang, Xiao-Dong	MRI: Acquisition of an Accelerator for Stellar Nucleosynthesis Measurements	National Science Foundation	\$3,520,541	36
Department or Office:	Political Science			
Barber, Sotirios A.	Constitutional Failure and Success	National Endowment for the Humanities	\$50,400	10
Campbell, David E.	Transatlantic Comparison of Religion's Role in Society	Harvard University	\$77,644	24
Javeline, Debra	Collaborative Research: After Violence: Participation Over Retaliation in Beslan	National Science Foundation	\$265,326	24
Department or Office:	Program of Liberal Studies			
Sloan, Phillip R.	Doctoral Dissertation Research	National Science Foundation	\$4,718	12
Department or Office:	Psychology			
Radvansky, Gabriel A.	Processing Spatial Shifts in Virtual Reality	National Science Foundation	\$492,341	36
Radvansky, Gabriel A. Bohn, Paul W.	Doctoral Dissertation Research: A Nanotechnology Investigation of Long-Term Potentiation	National Science Foundation	\$11,779	18

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Romance Languages and Literatures			
Douthwaite, Julia V. Buttigieg, Joseph A.	The Dialectics of Literary Study: The National and the Cosmopolitan.	Private Foundation	\$150,000	14
Department or Office:	Sociology			
Cardenas, Gilberto	The Changing Face of Metro Chicago: Latino Impact	Private Foundation	\$250,000	12
Myers, Daniel J. Wallensteen, Peter N. Darby, John	Meeting the Challenges of Post Conflict Peacebuilding: A Database Research Initiative	National Science Foundation	\$299,835	36
Smith, Jackie G.	Collaborative Research: Power and Change in Transnational Social Movement Networks, 1975-2005	National Science Foundation	\$136,730	24
Department or Office:	Theology			
Cavadini, John C.	Programs for Schools of Theological Education.	Private Foundation	\$350,000	36
Odozor, Paulinus I.	Morality and Tradition: An Association of Theological African-Christian Theological Inquiry.	Schools	\$30,000	5
Department or Office:	Upward Bound			
Luckey, Velshonna N.	First Book Grant Program	Corporate Funding	\$0	5

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Instructional Programs</u>				
Department or Office:	Freimann Animal Care Facility			
Stewart, Kay L.	The Effects of Human Interaction on the Physiological Well-being of the Laboratory Rodent	Private Foundation	\$5,900	12

Awards and Proposal Summary

Centers and Institutes Report

01/01/2008 to 01/31/2008

Awards Received

Department or Office	No.	Amount
Center for Children and Families	2	\$689,094
Center for Flow Physics and Control	4	\$316,707
Center for Global Health and Infectious Diseases	4	\$288,272
Center for Social Concerns	1	\$4,500
Institute for Latino Studies	1	\$12,440
Medieval Institute	2	\$70,400
Nano Science and Technology Center	3	\$291,465
Radiation Laboratory	1	\$203,600
Robinson Community Learning Center	1	\$60,000
Total:	19	\$1,936,478

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$1,113,246
Center for Aquatic Conservation	1	\$449,583
Center for Astrophysics	1	\$1,289,003
Center for Global Health and Infectious Diseases	7	\$5,920,593
Center for Zebrafish Research	1	\$75,275
Environmental Research Center	1	\$515,510
Freimann Life Science Center	2	\$245,934
Institute for Church Life	1	\$350,000
Institute for Educational Initiatives	1	\$50,000
Institute for Latino Studies	1	\$250,000
Interdisciplinary Center for the Study of Biocomplexity	3	\$781,215
Joint Institute for Nuclear Astrophysics	1	\$15,134,944
Kroc Institute for International Peace Studies	2	\$263,530
Medieval Institute	1	\$800,000
ND Energy Center	1	\$15,180
Nano Science and Technology Center	3	\$830,769
Nuclear Structure Laboratory	1	\$3,520,541
Radiation Laboratory	1	\$470,032
Robinson Community Learning Center	1	\$0
Walther Cancer Research Center	1	\$672,877
Total:	32	\$32,748,232

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 01/31/2008

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Alliance for Catholic Education	1	\$277,500
Biological Sciences	1	\$210,000
Center for Applied Mathematics	1	\$120,000
Center for Aquatic Conservation	2	\$955,637
Center for Astrophysics	4	\$292,720
Center for Children and Families	4	\$2,509,211
Center for Flow Physics and Control	16	\$1,480,213
Center for Global Health and Infectious Diseases	10	\$6,326,165
Center for Microfluidics and Medical Diagnostics	3	\$1,024,605
Center for Research Computing	1	\$98,332
Center for Social Concerns	2	\$13,374
Center for Transgene Research	1	\$355,568
Center for Zebrafish Research	1	\$250,547
Center for the Study of Religion and Society	1	\$25,000
Environmental Research Center	1	\$169,998
Freimann Life Science Center	2	\$104,235
Gigot Center	1	\$14,700
Institute for Church Life	1	\$10,000
Institute for Latino Studies	5	\$277,440
Institute for Theoretical Sciences	1	\$57,976
Interdisciplinary Center for the Study of Biocomplexity	1	\$346,252
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Joint Institute for Nuclear Astrophysics	1	\$86,250
Kellogg Institute for International Studies	2	\$167,625
Medieval Institute	3	\$80,400
ND Energy Center	2	\$125,010
Nano Science and Technology Center	16	\$3,393,028
Nuclear Structure Laboratory	3	\$2,091,250
Radiation Laboratory	4	\$237,918
Robinson Community Learning Center	4	\$126,500
Walther Cancer Research Center	4	\$973,552
Total:	102	\$22,328,886

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 01/31/2008

Proposals Submitted

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Biological Sciences	1	\$45,883
Center for Applied Mathematics	1	\$1,113,246
Center for Aquatic Conservation	8	\$7,784,117
Center for Astrophysics	8	\$1,993,350
Center for Children and Families	1	\$667,858
Center for Complex Network Research	1	\$143,115
Center for Educational Opportunity	1	\$35,000
Center for Ethics and Culture	1	\$103,500
Center for Flow Physics and Control	17	\$3,622,307
Center for Global Health and Infectious Diseases	18	\$10,179,244
Center for Microfluidics and Medical Diagnostics	4	\$1,115,747
Center for Philosophy of Religion	4	\$120,000
Center for Transgene Research	5	\$1,315,505
Center for Zebrafish Research	5	\$1,146,515
Center for the Study of Religion and Society	1	\$25,000
East Asian Languages and Literatures	1	\$1,500,000
Environmental Research Center	1	\$515,510
Freimann Life Science Center	4	\$767,506
Institute for Church Life	2	\$547,000
Institute for Educational Initiatives	1	\$50,000
Institute for Latino Studies	10	\$1,078,892
Institute for Theoretical Sciences	1	\$86,964
Interdisciplinary Center for the Study of Biocomplexity	4	\$1,659,825
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Joint Institute for Nuclear Astrophysics	6	\$30,967,291
Kellogg Institute for International Studies	4	\$160,000
Kroc Institute for International Peace Studies	4	\$493,609
Lobund Laboratory	1	\$69,203
Medieval Institute	2	\$900,000
ND Energy Center	6	\$4,567,088
Nano Science and Technology Center	20	\$14,671,750
Nuclear Structure Laboratory	2	\$9,955,879
Radiation Laboratory	6	\$955,786
Robinson Community Learning Center	9	\$99,000
Walther Cancer Research Center	5	\$1,589,877
Total:	168	\$100,173,447

Awards received during the period Jan-01-2008 to Jan-31-2008

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Center for Children and Families				
Cummings, E. M. Cummings, Jennifer (Center or Institute) Faircloth, William B.	Marital Conflict Focused Parent Education for Families with Adolescents	Private Foundation	\$405,995	007289-001
Cummings, E. M. (Center or Institute)	Family Process: Emotional Security, and Child Adjustment	University of Rochester	\$283,099	006950-001
Department or Office: Center for Flow Physics and Control				
Dunn, Patrick F. Thomas, Flint O. Corke, Thomas C. (Center or Institute) Ibrahim, Abdelmaged H.	Feasibility Study of Plasma-Actuated Assisted Compression.	Corporate Funding	\$20,000	007277-001
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	High-Resolution Time Resolved Measurements of Unsteady Flow Separation in High Reynolds Number Boundary Layers Relevant to Helicopter Rotor Dynamics	Department of Army	\$107,595	007059-001
Morris, Scott C. Corke, Thomas C. (Center or Institute)	Aero-Mechanical Coupling in a High Speed Compressor	Department of the Air Force	\$109,112	007016-001
Wang, Meng (Center or Institute)	Computational Study of Rough-Wall Boundary-Layer Noise	Department of Navy	\$80,000	006840-001
Department or Office: Center for Global Health and Infectious Diseases				
Streit, Thomas G. (Center or Institute)	AREF (Atlanta Research and Education Foundation)	Atlanta Research and Education Foundation	\$40,000	007301-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Fraser, Malcolm J. (Center or Institute)	Engineering Transgenic Silkworms to Produce Synthetic Spider Silk Fibers	University of Wyoming	\$80,000	007288-001
Streit, Thomas G. (Center or Institute)	Asante Foundation Grant in Support of the Haiti Project	Corporate Funding	\$18,400	006943-001
Fraser, Malcolm J. (Center or Institute)	A Novel Transgenic Silkworm System for Recombinant Glycoprotein Production	University of Wyoming	\$149,872	007287-001
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto (Center or Institute)	Learning Generation Initiative: Plazas Comunitarias Project	Learning Generation Initiative	\$12,440	007295-001
Department or Office:	Medieval Institute			
Van Engen, John H. (Center or Institute)	The Spirit of the Twelfth Century: Reason, Reading, and Revolt in a World of Custom.	National Endowment for the Humanities	\$50,400	007294-001
Noble, Thomas F. (Center or Institute)	Enhancing Byzantine Studies at Notre Dame.	Gladys KriebelDelmas Foundation	\$20,000	007281-001
Department or Office:	Nano Science and Technology Center			
Jena, Debdeep (Center or Institute)	CAREER: Dielectric Engineering of Quantum-Wire solids: Fundamentals to Applications	National Science Foundation	\$112,298	006992-001
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	\$29,167	006515-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Seabaugh, Alan C. (Center or Institute)	III-V Tunnel SRAM	Corporation Funding	\$150,000	006844-001
Department or Office:	Radiation Laboratory			
Kamat, Prashant V. (Center or Institute)	The Journal of Physical Chemistry	American Chemical Society	\$203,600	006146-001
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V. (Center or Institute)	Take Ten Project Support.	Corporate Funding	\$60,000	007286-001
<u>Awards for Instructional Programs</u>				
Department or Office:	Center for Social Concerns			
Shappell, Andrea S. (Center or Institute)	Summer Service Learning Program	Private Foundation	\$4,500	007284-001

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

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Applied Mathematics			
Himonas, Alex A.	CDI-Type II: Overcoming the Curse of Dimensionality to Solve Dynamic Policy Games in the Social Sciences	National Science Foundation	\$1,113,246	08070386
Sommese, Andrew J.				
Cosimano, Thomas F.				
Department or Office:	Center for Aquatic Conservation			
Lamberti, Gary A.	LTREB: Long-Term Evaluation of Salmon Effects and Environmental Variation in River Ecosystems of Southeast Alaska.	National Science Foundation	\$449,583	08070396
Tank, Jennifer L.				
Chaloner, Dominic T.				
Department or Office:	Center for Astrophysics			
Mathews, Grant J.	Confirmation Studies for the Deuterium Crystalline Cell Reactor (the "DC2") Technology.	Corporate Funding	\$1,289,003	08070444
Garnavich, Peter M.				
Berry, Henry G.				
Department or Office:	Center for Global Health and Infectious Diseases			
Hollocher, Hope	CDI-Type II: Agent-based Modeling of Multi-Scalar Dynamics: Interspecies Interactions and Pathogen Landscapes	National Science Foundation	\$1,269,373	08070391
Madey, Gregory R.				
Fuentes, Agustin				
Hager, Kristin M.	Secreted Virulence Factors in Toxoplasma gondii	American Heart Association	\$132,000	08070415
McDowell, Mary A.	IL-12 Regulation in Leishmania Infected Dendritic Cells	National Institutes of Health	\$248,898	08070427

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

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Investigator(s)	Title	Sponsor	Dollars	Proposal #
Schorey, Jeffrey S.	Macrophage Signaling Upon M. Avium Infection	National Institutes of Health	\$284,454	08070380
Schorey, Jeffrey S.	M. Avium GPLs in Macrophage Activation and Virulence	National Institutes of Health	\$313,742	08070379
Besansky, Nora J.	PBI: Mosquitoes of the World	National Science Foundation	\$2,999,680	08070402
Severson, David W. Romero-Severson, Jeanne	Comparative Genomics of Autogeny in Mosquitoes.	National Institutes of Health	\$672,446	08070454
Department or Office:	Center for Zebrafish Research			
Thummel, Ryan	The Platinum Zebrafish Mutant is a Model for Studying the Mechanism Underlying Vision Defects Associated with Albinism.	Private Foundation	\$75,275	08070448
Department or Office:	Environmental Research Center			
Belovsky, Gary E.	Collaborative Research: Experimentally unravelling the roles of different herbivores in the ecosystem functioning: prairie insects, rodents and ung...	National Science Foundation	\$515,510	08070383

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

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office: Freimann Life Science Center				
Suckow, Mark A.	Tissue Vaccines and Extracellular Matrices as a Prostate Cancer Vaccine	Corporate Funding	\$205,268	08070453
Suckow, Mark A.	Development of Tissue Support Implant	Corporate Funding	\$40,666	08070452
Department or Office: Institute for Church Life				
Cavadini, John C.	Programs for Schools of Theological Education.	Private Foundation	\$350,000	08070461
Department or Office: Institute for Educational Initiatives				
Johnstone, Joyce V. Morris, Karen M.	Advanced Placement Bridge Project Management Support.	Private Foundation	\$50,000	08070449
Department or Office: Institute for Latino Studies				
Cardenas, Gilberto	The Changing Face of Metro Chicago: Latino Impact	Private Foundation	\$250,000	08070426
Department or Office: Interdisciplinary Center for the Study of Biocomplexity				
Alber, Mark S.	Integrated Multiscale Modeling and Experimental Study of Thrombus Development	National Institutes of Health	\$290,113	08070412
Alber, Mark S.	Integrated Modeling and in vivo Experimental Study of Blood Clot Development	National Institutes of Health	\$191,102	08070420

Proposals submitted during the period Jan-01-2008 to Jan-31-2008

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Investigator(s)	Title	Sponsor	Dollars	Proposal #
Alber, Mark S.	Testing a Mechanism for Periodic Patterning in Limb Bud Mesenchyme	New York Medical College	\$300,000	08070399
Department or Office:	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C.	PFC: Joint Institute for Nuclear Astrophysics, JINA	National Science Foundation	\$15,134,944	08070439
Department or Office:	Kroc Institute for International Peace Studies			
Smith, Jackie G.	Collaborative Research: Power and Change in Transnational Social Movement Networks, 1975-2005	National Science Foundation	\$136,730	08070404
Appleby, Robert S.	Religion and the State: Islam and Roman Catholicism Compared	Private Foundation	\$126,800	08070443
Department or Office:	Medieval Institute			
Noble, Thomas F. Roche, Mark W.	Advancing Byzantine Studies at the University of Notre Dame	Private Foundation	\$800,000	08070401
Department or Office:	ND Energy Center			
Brennecke, Joan F.	Energy Assistance Project for the Indiana Dunes National Lakeshore.	National Park Service	\$15,180	08070459

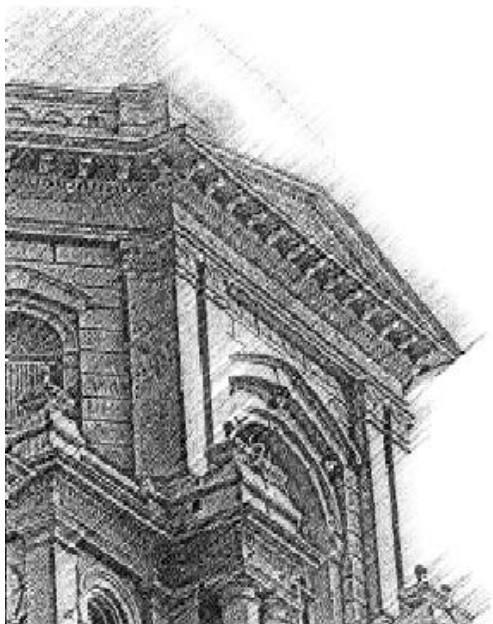
Proposals submitted during the period Jan-01-2008 to Jan-31-2008**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office: Nano Science and Technology Center				
Xing, Huili	Ultrashallow AlN/GaN heterostructures for ultrafast high-power transistors	Department of Navy	\$300,000	08070409
Jena, Debdeep Mintairov, Alexander Merz, James L. Xing, Huili Sen, Mihir	Development of a Scanning-Probe Electron and Lattice Thermograph (SPELT) for Semiconductor Device Metrology And Student Education and Training	National Science Foundation	\$300,000	08070400
Jena, Debdeep Seabaugh, Alan C. Merz, James L. Xing, Huili Sen, Mihir	MRI: Acquisition of Instrumentation for Scanning Probe Thermography of Nanoscale Semiconductor Devices and Student Training and Education.	National Science Foundation	\$230,769	08070437
Department or Office: Nuclear Structure Laboratory				
Wiescher, Michael C. Lamm, Larry O. Goerres, Joachim Collon, Philippe A. Tang, Xiao-Dong	MRI: Acquisition of an Accelerator for Stellar Nucleosynthesis Measurements	National Science Foundation	\$3,520,541	08070429
Department or Office: Radiation Laboratory				
LaVerne, Jay A.	International Collaboration in Chemistry: Hydrogen Production from Surface Water on Plutonia and Irradiated Surrogates.	National Science Foundation	\$470,032	08070451

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Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Robinson Community Learning Center			
Luckey, Velshonna N.	First Book Grant Program	Corporate Funding		\$0 08070417
Department or Office:	Walther Cancer Research Center			
Taylor, Richard E.	International Collaboration in Chemistry: A Common Pharmacophore for Polyketide Inhibitors of Protein Synthesis.	National Science Foundation	\$672,877	08070450

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