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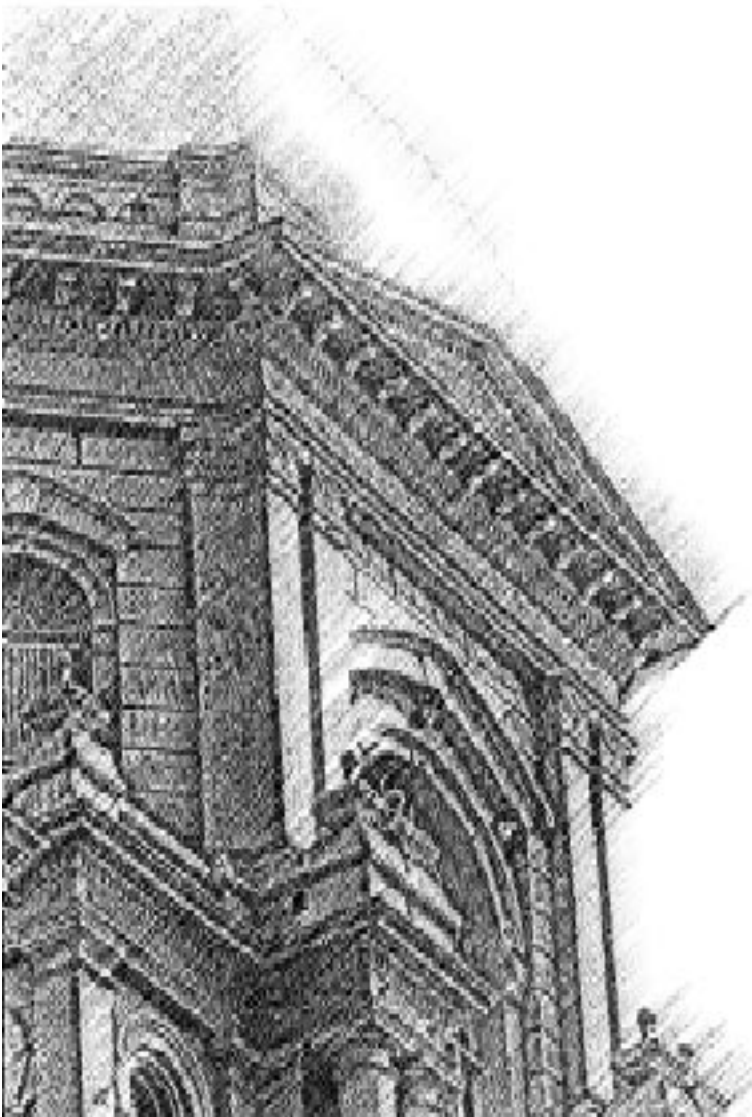
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Faculty Notes

Honors

Robert L. Amico, professor of architecture, received the Educator of the Year Award from the Notre Dame Chapter of the American Institute of Architecture Students.

J. Douglas Archer, librarian, was re-elected to a second two-year term on the board of the Peace and Justice Studies Association and was named “harmonizer” (ombudsperson) for the association.

Keith J. Egan, adjunct professor of theology, was named president of the North American Carmelite Institute, Washington, D.C.

Klaus Lanzinger, professor emeritus of German, received the Lifetime Achievement Award of the International Biographical Centre in Cambridge, England, for outstanding contributions to international education and literary scholarship.

Holly Martin, professional specialist and assistant dean in the First Year of Studies, has been chosen to serve a three-year term on the National Academic Advising Association’s publications advisory board.

Maureen B. McCann Boulton, professor of French, was elected president of the North American branch of the International Courtly Literature Society.

Steven R. Schmid, associate professor of mechanical engineering, won the conference outstanding paper award for “The Springback Characteristics of a Porous Tantalum Sheet-Metal,” coauthored by former graduate student Paul Nebosky, at the “35th North American Manufacturing Research Conference.”

Activities

Robert L. Amico, professor of architecture, was an invited panelist in the Center for Liturgy conference “A Day for the Lord: Sign or Contradiction,” June 11–13; and initiated, with **Rev. Richard S. Bullene**, C.S.C., associate professional

specialist and assistant chair of architecture, the design of the Lady of Guadeloupe Church in Warsaw, Ind.

Gary Anderson, professor of theology, presented “The Forgiveness of Sins in the Bible” on May 8 at Weston Jesuit Theological School; “From Israel’s Burden to Israel’s Debt: Toward a Theology of Sin in the Bible and Early Judaism” on May 17 for the American Philosophical Association, Philadelphia; “Treasures in Heaven in Judaism and Early Christianity” on June 19 at Hebrew Univ., Jerusalem; “Redeem Your Sins by the Giving of Alms” on July 3 at Tübingen Univ. as an invited lecture for the International Society for the Study of Deuterocanonical and Cognate Literature; and again on Aug. 6 as the invited plenary address for the Catholic Biblical Association, Santa Clara Univ., Calif.

J. Douglas Archer, librarian, presented “Bush Administration Information Policies: Both Coherent and Dangerous,” moderated three panels: “Religion, Identity and Peace,” “Voices of Dissent on College Campuses,” and “Identity, Self and the Other,” and co-moderated a fourth, “The Growth and Development of PJSA,” at the Peace and Justice Studies Association annual conference, Elizabethtown College, Elizabethtown, Pa., Sept. 28–29.

David M. Bartels, professional specialist in the Radiation Laboratory, presented “Research Opportunities in Radiation Induced Chemical Dynamics” at a workshop at SLAC/LCLS, Stanford, Calif., Oct. 2–3.

Dan Chipman, professional specialist in the Radiation Laboratory, presented “Dielectric Continuum Model of Water Solvation,” “Radiation Chemistry in Water,” and “Dielectric Continuum Model of Water Solvation” at Beijing Univ., Sept. 6–12.

Kevin J. Christiano, associate professor of sociology, served as an invited participant on the panel “Publishing Journal Articles and Books” at the annual meeting of the Association for the Sociology of Religion in New York, N.Y., Aug. 10–12, where he

also convened the session on “Intrareligious Relations” and chaired the presidential plenary session on “Religious Stratification: Its Origins, Persistence, and Consequences.”

Lawrence S Cunningham, the O’Brien Professor of Theology, presented “*Dies Dierum*: Some Speculative Considerations” to the Notre Dame Center for Liturgy annual conference on June 13; six retreat conferences to the monastic community of Saint Mary’s Abbey in Morristown, N.J., June 17–20; “The Meaning of Catholicity,” a Hesburgh Lecture, at Orlando, Fla., on June 26; and “The Mystics at Prayer” at the Diocesan Eucharistic Congress at Notre Dame on Aug. 18.

Giles Duffield, assistant professor of biological sciences, was the invited speaker in a symposium titled “Rhythmicity in Neuroendocrine Systems” and presented “A Role for Inhibitor of DNA-Binding 2 (ID2) in the Photoentrainment Mechanism of the Mammalian Circadian Clock” at the annual meeting of the British Neuroendocrine Society at the Univ. of Nottingham, Sept. 9–11.

Keith J. Egan, adjunct professor of theology, presented “John of the Cross at Spanish Universities” at the annual convention of the College Theology Society, Dayton, Ohio, on June 1; was an invited participant and chaired a session at the “Lilly Fellows Reunion Conference,” June 8–10, Indianapolis; organized the annual seminar on Carmelite Spirituality, Saint Mary’s College, Notre Dame, June 17–23, at which he presented “Eros and the Song of Songs in John of the Cross,” and conducted a workshop on “Eros in the Carmelite Tradition”; and presented “Carmelite Tradition” and conducted a workshop on “Solitude and Silence in the Carmelite Tradition” at the “National Lay Carmelite Conference,” Chicago, July 6–8.

Leonid Faybusovich, professor of mathematics, presented the invited talk “Calculation of Universal Barrier Functions” at the “Applied and Computational Mathematics Seminar” of the National Univ. of Singapore on Sept. 12.

James M. Frabutt, associate professional specialist in the ACE Leadership Program and concurrent associate professor of psychology, presented “A Strategy to Reduce Street Drug Markets: The High Point/

Winston-Salem Initiative” with R. Lang et al., as an invited presentation at the “Project Safe Neighborhoods Annual Conference” in Atlanta.

Malcolm Fraser, professor of biological sciences, presented “Developing Novel Transgenic Ribozyme Strategies for Suppression of Dengue Fever Virus in Mosquito Cells and Tissues” at the Univ. of South Florida, Sept 28.

Marisa Gift, academic advisor in the First Year of Studies, presented a paper titled “Your Friendly Neighbor: How Starbucks Frames its Corporate Social Responsibility Efforts” at the 2006 National Communication Association annual conference in San Antonio, Tex.

Holly Goodson, associate professor of chemistry and biochemistry, presented an invited seminar, “Regulation of Microtubule Dynamics,” at St. Francis Univ., Loretta, Pa., on Sept. 18.

Kenneth Henderson, professor of chemistry and biochemistry, presented an invited talk, “Chiral Calcium Complexes in Synthesis,” at an undergraduate conference at Pfizer in Groton, Conn. on Sept. 28.

Mary Catherine Hilkert, professor of theology, was a panelist on “The Grace of Preaching: A Charism Shared by All Branches of the Order,” Convent of Santa Sabina, Rome, Feb. 13; was interviewed for the *Dominican Sisters International Newsletter* (March 29 issue); presented “Emmaus or Jerusalem? The Holy Preaching and the Breaking of the Bread” and “Women, Why are You Weeping?” for the General Chapter, Eucharistic Missionaries of St. Dominic, Louisville, Ky., April 24–25. She presented “Baptism and Vocation: Catherine of Siena and the Roles of Women and Men in Today’s Church” at the Corpus Christi University Parish, Toledo, Ohio, April 10; “Human Desires and a God ‘Mad with Love’: Insights from Catherine of Siena,” the Siena Lecture, at Dominican Univ., Chicago, April 26; “Theology and Spirituality of Preaching: Learning from Vincent de Paul” for the General Assembly, Congregation of the Mission, Eastern Province of United States, Princeton, N.J., May 31–June 1; and “Words of Spirit and Life: Preaching and the Sacramental Imagination” and “Two Books of Revelation: The Bible

and the Book of Nature,” the Donald M. Wardlaw Lectures, Association of Chicago Theological Schools, Lutheran School of Theology and McCormick Seminary, Chicago, July 2–3. She also presented “Baptism, Gender, and Vocation: The Example and Writings of Catherine of Siena,” Dept. of Theology Summer Lecture Series, Univ. of Notre Dame, July 11; a workshop on preaching and collaborative ministry (co-presenter) for the Preaching Institute of the Diocese of Rochester, N.Y., July 16; “Preaching the Wisdom of the Cross: Does God Will Suffering?” the Otto Shults Lecture, St. Bernard’s School of Theology, Rochester, July 16; and “How Original is Sin?” for the First Friday Club of Greater Akron, Ohio, Sept. 7.

Paul W. Huber, professor of chemistry and biochemistry, presented an invited seminar at the Univ. of Memphis titled “Changing Partners: The Exchange of Transcription Factor IIIA for Ribosomal Protein L5” on Sept. 13.

Maxwell Johnson, professor of theology, presented “Baptism and the Cross” at the general retreat for the Society of the Holy Trinity, Concordia Theological Seminary, Fort Wayne, Ind., Aug. 22; acted as an ecumenical observer and responder at the “International Anglican Liturgical Consultation,” Palermo, Sicily, July 29–Aug. 4; presented “The Making of Benedictine Daily Prayer” at the retreat for St. Bridgid of Kildare Monastery Oblates, Episcopal House of Prayer, Saint John’s Abbey, Collegeville, Minn., July 11; and taught “Early Christian Liturgies” at the School of Theology, Saint John’s Univ., Collegeville, July 9–27.

John LoSecco, professor of physics, presented “Electronics Simulation,” “Muon Reconstruction 3,” and “Software Status” at the Double Chooz collaboration meeting at Oxford Univ., U.K., on Sept. 19.

Richard P. McBrien, the Crowley-O’Brien Professor of Theology, presented “Ordination to the Priesthood and Gay Men” at New Ways Ministry’s “Sixth National Symposium on Catholicism and Homosexuality,” Minneapolis, on March 18; “The Future of the Church in the Pontificate of Benedict XVI,” the American Catholic annual lecture, in Farmington, Conn., Mar. 31; “Being Catholic in a Time of

Change” at Sacred Heart Schools, Atherton, Calif., April 16; and the annual Cardinal Joseph Bernardin Lecture “The Future of the Church: Challenges in the New Millennium” in Villa Maria, Pa., May 25.

Maureen B. McCann Boulton, professor of French, presented “Wace’s Pious Romance: the Conception Nostre Dame” at the “Colloquium on Vernacular Literature and the Church in Medieval France” at the Univ. of Toronto, March 29–31; “Lives of Christ in the French of England: Theme and Variations” at the colloquium on “The French of England: Multilingualism in Practice, c.1100–c.1500” at Fordham Univ., March 31–April 1; and “Religious Mythologies at Court: Noblewomen and Their Confessors” at the “12th Triennial Congress of the International Courtly Literature Society” in Geneva and Lausanne, Switzerland, July 29–Aug. 4.

Mary Ann McDowell, assistant professor of biological sciences, presented “Sand Fly Saliva: Variability and Human Immune Responses” at the scientific meeting of “Dormy House II: Integrated Functional Genomics on the Road to Leishmaniasis Control” in York, United Kingdom, Sept. 24–28.

Juan Migliore, professor of mathematics, gave the invited talk “Minimal Homogeneous Liaison and Licci Ideals” in the “Special Session on Free Resolutions” at the meeting of the American Mathematical Society at DePaul Univ., Chicago, on Oct. 6.

Victoria A. Ploplis, associate director of the Keck Center, presented an invited talk, “Effects of a PAI-1 Deficiency on Endothelial Cell Signaling and Function,” at the Univ. of Maryland School of Medicine, Center for Vascular and Inflammatory Diseases, in Baltimore, on Oct. 3.

Jean Porter, the O’Brien Professor of Moral Theology, delivered the Thompson Christian Philosophy Lecture “The Legislator and the Orator: Towards a Natural Law Jurisprudence for our Times” at the Univ. of Dayton on March 29; and “Reasoned Faith and Faithful Reason: Thomas Aquinas as Theologian and Philosopher,” a combined lecture for the McMahan Aquinas Chair in Philosophy and the McMahan Hank Aquinas Chair in Catholic Theology, St. Mary’s College, Notre Dame, Ind., on April 11.

Steven R. Schmid, associate professor of mechanical engineering, presented “The Springback Characteristics of a Porous Tantalum Sheet-Metal” coauthored by former graduate student Paul Nebosky, at the “35th North American Manufacturing Research Conference,” May 22–25 in Ann Arbor, Mich.; the keynote talk “Friction and Heat Transfer Models for Computer Simulation of Metal Forming” at the “Third International Conference on Tribology in Manufacturing Processes,” Yokohama Japan, Sept. 25–26, and coauthored the paper “AFM Evaluation of Chemical-Mechanical Effects of Copper with Controlled Surface Chemistry” with **Timothy Ovaert** (professor of aerospace and mechanical engineering), graduate student Marissa Post, and M. Laurent, and “Effect of Laser Surface Texturing on the Friction and Wear Performance of CoCr” with graduate student Kyle Jones and former graduate student Paul Nebosky; and presented “21st-Century Manufacturing Challenges for the Orthopedics Industry” at the “INDO/US Summer Workshop,” Northwestern Univ., on June 21.

Mark R. Schurr, associate professor and chair of anthropology, presented “Collier Lodge 2007” at the “Midwest Archaeological Conference 2007,” Notre Dame; “Interactions Across Multiple Dimensions: Measures of Diversity in the Removal Period Potawatomi” in the symposium “Native Identity in the Market Economy, 1775–1850” and, with S. Ketchum and R. Garniewicz, “A Test for Maize Consumption by Fauna in Late Prehistoric Eastern North America,” a poster, at the 72nd annual meeting of the Society for American Archaeology, Austin, Tex. He also hosted the “Midwest Archaeology Conference 2007,” Oct 4–6 at Notre Dame.

Timothy R. Scully, C.S.C., professor of political science, director of the Institute for Educational Initiatives, and Nanovic and Kellogg Institute Fellow, presented “Measuring Success in Democratic Governance,” written with **Scott Mainwaring**, professor of political science, director of the Kellogg Institute, and Kroc and Kellogg Institute Fellow, at the International Congress of the Latin American Studies Association, Sept. 6, in Montreal.

Alan C. Seabaugh, professor of electrical engineering, presented the invited talk titled “Tunneling-Based Nanoelectronics for Power Reduction” at the “Seventh Topical Workshop on Heterostructure Microelectronics” at Kazusa Arc (Kazusa Akademia Center), Kisarazu, Chiba, Japan, on Aug. 21.

Ray Sepeta, professional specialist in the First Year of Studies, presented “Advising First Year Science Majors According to Socrates” at the 2007 Great Lakes regional meeting of NACADA, March 4–6.

Bradley D. Smith, professor of chemistry and biochemistry, presented an invited talk, “Fluorescence Imaging of Bacterial Infection in Living Mice,” at the NIH workshop on “Imaging Infectious Disease” in Bethesda, Md., on Sept. 18.

Duncan Stroik, associate professor of architecture, gave an architectural tour of his home, Villa Indiana, to the Friends of the Snite Museum in June.

Eugene C. Ulrich, the O’Brien Professor of Theology, presented “The Evolutionary Growth of the Pentateuch in the Second Temple Period” at the “International Workshop on the Study of the Pentateuch with Special Emphasis on Its Textual Transmission History in the Hellenistic and Roman Periods,” Tokyo, Aug 28–31.

Publications

Gary Anderson, professor of theology, published “Mary in the Old Testament,” *Pro Ecclesia* 16 (2007): 33–55; and “Redeem Your Sins by the Giving of Alms: Sin, Debt, and the ‘Treasury of Merit’ in Early Jewish and Christian Tradition,” in *Letter & Spirit* 3 (2007): 37–67.

J. Douglas Archer, librarian, contributed “CALEA: What if It Comes to Your Library,” to *Focus on Indiana Libraries* 61, No. 9 (2007): 9.

Alan Bowling, assistant professor of aerospace and mechanical engineering, published “Reliability-Based Design Optimization of Robotic System Dynamic Performance” with **John E. Renaud**, professor of aerospace and mechanical engineering; **Jeremy T. Newkirk**, graduate assistant in aerospace and mechanical engineering; **H. Agarwal**; and **Neal M. Patel**, student in aerospace and mechanical engineering,

ASME Journal of Mechanical Design 129 (April 2007): 449–54.

Ian Carmichael, professor of chemistry and biochemistry and director of the Radiation Laboratory, published “DFT and NMR Studies of $^2J_{\text{COH}}$, $^3J_{\text{HCOH}}$, and $^3J_{\text{CCOH}}$ Spin-Couplings in Saccharides: C-O Torsional Bias and H-Bonding in Aqueous Solution” with **Hongqiu Zhao**, staff member in science, **Qingfeng Pan**, visiting scholar in chemistry and biochemistry, **W. Zhang**, and **Anthony S. Serianni**, professor of chemistry and biochemistry, *J. Org. Chem.* 72, No. 19 (2007): 7071–82.

Lawrence S. Cunningham, the O’Brien Professor of Theology, published the Japanese translation of *A Brief History of the Saints* (Tokyo: Kyobyunkwan, 2007); edited and translated A. Louf’s *The Way of Humility* (Collegeville: Liturgical Press/Cistercian Publications, 2007); “Know Your Catholic Faith: Prayer” (Notre Dame: Campus Ministry, 2007); “Catholicism and Western Culture” in *Exploring Theology*, ed. A. Hession and P. Kieran (Dublin: Veritas, 2007): 42–52; “A Lifelong Lesson in Humility,” *Notre Dame Magazine* 36, No. 2 (2007): 31–33; “Religion Book Notes,” *Commonweal* cxxiv (June 1): 24–28; a review of B. Pentcheva’s *Icons and Power in Cistercian Studies Quarterly* 42, No. 2 (2007): 225–27; and a review of J. Sweeney’s *Light in the Dark Ages* in *The Tablet* (Aug. 25): 21.

Julia Douthwaite, professor of French, assistant provost for international studies, and Fellow of the Nanovic Institute, published “*La République a-t-elle besoin de savants? Le jugement des romans*,” in *Littérature et engagement pendant la Révolution française*, eds. L. Loty and I. Brouard-Arends (Rennes: Presses Univ. de Rennes, 2007): 121–36.

Keith J. Egan, adjunct professor of theology, published “Eucharist, Contemplation and Deification,” *Celebrate!* 46 (July–Aug. 2007): 4–8; “Eucharist, Contemplation and Humanization,” *Celebrate!* 46 (Sept.–Oct. 2007): 4–7; and a review of E. Lyddon’s *Mysticism for Beginners: John of the Cross Made Easy*, *Cistercian Studies Quarterly* 42 (2007): 232–3.

Guillermo J. Ferraudi, professional specialist in the Radiation Laboratory, published “Kinetic and Spectroscopic Observations on the Azidyl, N_3 , Radical Oxidation of fac-($\text{L}_{\text{spectator}}$) $\text{Re}^{\text{I}}(\text{CO})_3(\text{L}_{\text{acceptor}})$ to fac-($\text{L}_{\text{spectator}}$) $\text{Re}^{\text{II}}(\text{CO})_3(\text{L}_{\text{acceptor}})$, $\text{L}_{\text{spectator}} =$

4,4'-bpy, $L_{\text{acceptor}} = \text{dipyridyl}[3,2\text{-}a:2'3'\text{-}c]\text{phenazine}$ or $L_{\text{spectator}} = \text{Cl}^-$, $L_{\text{acceptor}} = \text{bathocuproindisulfonate}$. A Revisitation to the Self-Exchange Rate Constants of the $\text{N}_3^+/\text{N}_3^-$ and $\text{Re(II)}/\text{Re(I)}$ Couples and to the Redox Potential of the N_3^+ Radical" with **Gustavo Ruiz**, visiting scholar in the Radiation Laboratory, et al., in *Inorganica Chimica Acta* 360 (2007): 3681–7.

James M. Frabutt, associate professional specialist in the ACE Leadership Program and concurrent associate professor of psychology, published "Collaborative Efforts to Address Minority Overrepresentation in Juvenile Justice: A Community-Based Mini-Grant Process" with M.H. Kendrick et al., online at COMM-ORG, the online Conference on Community Organizing and Development: comm-org.wisc.edu/papers2007/frabutt/frabutt.htm.

Mary Catherine Hilkert, professor of theology, published "The Option for the Poor in the Context of Globalization: A Feminist Vision" in *The Option for the Poor in Christian Theology*, ed. **Daniel G. Groody**, assistant professor of theology (Notre Dame: Univ. of Notre Dame Press, 2007): 228–38.

Chuanjiang Hu, research assistant professor of chemistry and biochemistry, **Bruce C. Noll**, research associate professor of chemistry and biochemistry, and **W. Robert Scheidt**, professor of chemistry and biochemistry, published "Sulfoxide as a Ligand in Iron(II) Porphyrinates: S- or O-Bound?" in *Inorganic Chemistry* 46, No. 20 (2007): 8258–63.

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

Maxwell Johnson, professor of theology, published "Religiosidad Popular: The Virgin Mary and Lutherans," *Let's Talk: Living Theology in the Metropolitan Chicago Synod* 12, No. 1 (Summer 2007): 11–14; "Christian Initiation at Easter: For 'Joiners,' Not 'Switchers,'" *Celebrate!* 46, No. 1 (Jan.–Feb. 2007): 4–7; "The Loss of a Common

Language: The End of Ecumenical Liturgical Convergence?" *Studia Liturgica* 37 (2007): 55–72; a review of S. Brock's *Fire From Heaven: Studies in Syriac Theology and Liturgy*, *Variorum Collected Studies Series* 863 (Aldershot/Burlington: Ashgate, 2006), in *Worship* 81, No. 5 (2007): 464–6; a review of F. Senn's *The People's Work: A Social History of the Liturgy* (Minneapolis: Fortress Press, 2006) in *Worship* 81, No. 5 (2007): 462–4; and "Not 'Sheep Stealing': Christ Calls Us to be One/*No es Robar Ovejas: Cristo Nos Llama a la Unidad*," *jOye!* 2008 4 (Aug. 2007): 24–25.

Prashant V. Kamat, professor of chemistry and biochemistry and concurrent professor of chemical engineering, published "Hydroxyl Radical Mediated Degradation of Phenylarsonic Acid" with T. Xu et al., *J. Phys. Chem. A* 111, No. 32 (2007): 7819–24.

Jay A. LaVerne, professional specialist in the Radiation Laboratory and concurrent research professor of physics, published "Radical Yields in the Radiolysis of Cyclic Compounds" with K. Enomoto and M.S. Araos, *Radiation Physics and Chemistry* 76 (2007): 1272–4.

Edward Maginn, professor of chemical and biomolecular engineering, published "Calculating the Enthalpy of Vaporization of Ionic Liquid Clusters" with M.S. Kelkar, *Journal of Physical Chemistry B* 111 (2007): 9424–27 (dx.doi.org/10.1021/jp073253o); "Continuous Fractional Component Monte Carlo: An Adaptive Biasing Method for Open System Atomistic Simulations" with W. Shi, *Journal of Chemical Theory and Computation* 3 (2007): 1451–63 (dx.doi.org/10.1021/ct7000039); and "Effect of Temperature and Water Content on the Shear Viscosity of the Ionic Liquid 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide as Studied by Atomistic Simulations" with M.S. Kelkar, *Journal of Physical Chemistry B* 111 (2007): 4867–76 (dx.doi.org/10.1021/jp0686893).

Holly Martin, professional specialist and assistant dean in the First Year of Studies, published "Constructing Learning Objectives for Academic Advising," National Academic Advising Association Clearinghouse of Academic Resources, on the Web at nacada.ksu.edu/Clearinghouse/AdvisingIssues/Learning-outcomes.htm.

Ralph McInerny, professor of philosophy, published "From Shadows and Images to the Truth" in *Wisdom's Apprentice: Thomistic Essays in Honor of Lawrence Dewan*, O.P., P.A. Kwasniewski, ed. (Washington, D.C.: Catholic Univ. of America, 2007): 109–21; and "Europa: Specchio del Futuro" in *Riscoprire le radici e i valori comuni della civiltà occidentale: il concetto di legge in Tommaso d'Aquino*, F. di Blasi, ed. (Palermo, Italy: Thomas International, 2007): 21–29.

Dan Meisel, professor of chemistry and biochemistry, published "Redox Catalysis on 'Naked' Silver Nanoparticles" with **Getahun Merga**, staff member in the Radiation Laboratory, et al., *J. Phys. Chem. C* 111, No. 33 (2007): 12220–6.

Glen L. Niebur, associate professor of aerospace and mechanical engineering, published "Topology Optimization Using a Hybrid Cellular Automaton Method With Local Control Rules" with students **Andrés Tovar** and **Neal M. Patel**; **Mihir Sen**, professor of aerospace and mechanical engineering; and **John E. Renaud**, professor of aerospace and mechanical engineering, *ASME Journal of Mechanical Design* 128, No. 6 (Nov. 2006): 1205–16.

Bruce C. Noll, research associate professor of chemistry and biochemistry, published "Towards the Synthesis of the Cornexistins" with J.C. Tung, W. Chen, **Richard E. Taylor**, professor of chemistry and biochemistry, et al., *Synthesis (Journal of Synthetic Organic Chemistry)* 15 (2007): 2388–96.

Jean Porter, the O'Brien Professor of Moral Theology, published "Custom, Ordinance and Natural Right in *Gratian's Decretum*," *The Nature of Customary Law: Legal, Historical and Philosophical Perspectives* (Cambridge: Cambridge Univ. Press, 2007): 79–100.

John E. Renaud, professor of aerospace and mechanical engineering, published "Investigation of Reliability Method Formulations in DAKOTA/UQ" with M.S. Eldred et al., *Structure and Infrastructure Engineering* 3, No. 3 (2007): 199–213; "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 of the

Hybrid Cellular Automata for Structural Optimization” with students Andrés Tovar and Neal M. Patel, and A.K. Kaushik, *AIAA Journal* 45, No. 3 (March 2007): 673–83.

W. Robert Scheidt, the Warren Professor of Chemistry and Biochemistry, published “Structural and Physical Characterization of (Nitrate)Iron(III) Porphyrinates [Fe(por)(NO₃)] - Variable Coordination of Nitrate” with G.R.A. Wyllie et al., *Polyhedron* 26 (2007): 4664–72.

Steven R. Schmid, associate professor of mechanical engineering, published *Manufacturing Processes for Engineering Materials, 5th Ed.* (Prentice-Hall, 2008): 1018 pages; and “The Springback Characteristics of a Porous Tantalum Sheet-Metal,” coauthored by former graduate student Paul Nebosky, *Proc. NAMRC XXXV* (2007): 57–64.

William F. Schneider, associate professor of chemical and biomolecular engineering, published “A Transferable Force Field for Water Adsorption in Cation Exchanged Titanosilicates” with J. Larentzos, and **Edward J. Maginn**, professor of chemical and biomolecular engineering, *Industrial and Engineering Chemistry Research* 46 (2007): 5754–65 (dx.doi.org/10.1021/ie070276g).

Mark R. Schurr, associate professor and chair of anthropology, published “A Small Geophysical Survey at Moccasin Bluff” in *Michigan Archaeologist* 49: 81–90; and a review of *Handbook of Archaeological Methods*, H.D.G. Maschner and C. Chippendale, eds., in *Archaeological Prospection* 14: 146–8.

Alan C. Seabaugh, professor of electrical engineering, published “W5O14 Nanowires” with M. Remskar et al. in *Advanced Functional Materials* 17 (2007): 1974–8; and “Characterization and Control of Unconfined Lateral Diffusion Under Stencil Masks” with Z. Racz in the *Journal of Vacuum Science and Technology B* 25 (2007): 857–61.

Anthony S. Serianni, professor of chemistry and biochemistry, et al., published “¹³C-¹³C NMR Spin-Spin Coupling Constants in Saccharides: Structural Correlations Involving All Carbons in Aldohexopyranosyl Rings” with **Wenhui Zhang**, staff member in chemistry and biochemistry, and **Ian Carmichael**, profes-

sor of chemistry and biochemistry and director of the Radiation Laboratory, *J. Org. Chem.* 72, No. 20 (2007): 7511–22.

Slavi C. Sevov, professor of chemistry and biochemistry, published “Hydrogen-Bonded Host Frameworks of Cationic Metal Complexes and Anionic Disulfonate Linkers: Effects of the Guest Molecules and the Charge of the Metal Complex” with **Xin-Yi Wang**, postdoctoral research associate in chemistry and biochemistry, *Chemistry of Materials* 19 (2007): 4906–12.

Thomas L. Shaffer, the Short Professor of Law Emeritus and supervising attorney at the Notre Dame Legal Aid Clinic, published “A Search for Balance in the Whirlwind of Law School: Spirituality from Law Teachers,” *St. Louis University Law Journal* 51 (2007): 1191–202; “The Gift of Milner Ball,” *Georgia Law Review* 41 (2007): 903–16; “Foreword to the Symposium on Aging America,” *Notre Dame Journal of Law, Ethics, and Public Policy* 21 (2007): 295–306; *The Planning and Drafting of Wills and Trusts* with C.A. Mooney and A.L. Boettcher (Foundation Press, 5th Ed. 2007); and “Professionals and Moral Responsibility” with R.L. Cochran Jr., *Professional Creativity and the Common Good*, Lambeth, ed., 2007.

Duncan Stroik, associate professor of architecture, published “Foundations: All Saints Church” in *Religious Product News* (March 2007); had a house designed by him featured in *Lake Home Magazine* in August; had the new shrine of the Sacred Heart designed by him for the Cathedral of St. Louis featured in the *St. Louis Review* in June; was quoted in an article on the Oakland Cathedral by L. Chu of the Associated Press in September; and had his work featured in *The Yale Building Project: The First 40 Years* by R.W. Hayes (Yale Univ. Press, 2007).

Richard E. Taylor, professor of chemistry and biochemistry, published “Electrophile-Induced Ether Transfer: Stereoselective Synthesis of 2,4,6-Trisubstituted Tetrahydropyrans” with R. Kartika, *Angewandte Chemie International Edition* 46 (2007): 6874–7; and “Competitive Cationic Pathways and the Asymmetric Synthesis of Aryl-Substituted Cyclopropanes” with B.J. Melancon and N.R. Perl, *Organic Letters* 9 (2007): 1425–8.

John P. Welle, professor of romance languages and literatures and concurrent professor of film, television, and theatre, published “‘Avoid Giving Wine to Children’: George Kleine’s Correspondence with Cines and the Discourse of Uplift” in *Networks of Entertainment: Early Film Distribution 1895–1915*, ed. F. Kessler and N. Verhoeff (Eastleigh, U.K.: John Libby Publishing, 2007): 21–29.

Corrections

The following are corrections to items previously printed in *Notre Dame Report*. The editor regrets the errors.

Roger K. Bretthauer, emeritus faculty in chemistry and biochemistry, published “Characterization of O-Linked Saccharides on Glycoproteins,” *Methods in Molecular Biology, Pichia Protocols, Second Edition* 389 (2007): 107–18.

Slavi C. Sevov, professor of chemistry and biochemistry, published “Addition of Alkenes to Deltahedral Zintl Clusters by Reactions with Alkynes: Synthesis and Structure of Fc-CH=CH-Ge₉-CH=CH-Fc]²⁻, an Organo Zintl-Organometallic Anion” with **Michael W. Hull**, graduate research assistant in chemistry and biochemistry, in *Angewandte Chemie International Edition* 46: 6695–8 (reprint 2007).

Administrators’ Notes

Publications

Christine Babick, director of research and strategy in the Notre Dame Media Group, published “Virtually Secure” in *Case Currents* magazine (October): 36–39.

Documentation

Minutes of the 310th Graduate Council Meeting

April 11, 2007

Present: Donald Pope-Davis (chair), John Robinson (for Dean Patricia O'Hara), Gretchen Reydams-Schils (for Dean Mark Roche), Joseph Marino, James Merz, Theodore Cachey, Philip Bess, Igor Veretennikov, Crislyn D'Souza-Schorey, Thomas Slaughter, Sharon Hu, Mark Alber, Darcia Narvaez, Umesh Garg, Christine Maziar, Robin Darling Young, Graham Hammill, Richard Taylor, Michael Lundin, Amber Handy

Graduate School Representatives: Terry Akai, Michael Edwards, Barbara Turpin

Absent: Thomas Fuja, James McAdams, Scott Van Jacob

Reporter: Mary Hendriksen

Prof. Pope-Davis called the meeting to order at 3:35 p.m.

I. Approval of the Minutes of the 309th Graduate Council Meeting (January 31, 2007)

Prof. Pope-Davis invited a motion to approve the minutes of the Graduate Council meeting of January 31, 2007. After the reporter noted a minor amendment to the minutes, they were approved unanimously by Council members.

II. Graduate Certificate Programs

Prof. Pope-Davis explained that at the last executive committee meeting, members decided that the Graduate School should explore the general area of graduate certificate programs at Notre Dame—both their necessity and procedures to govern their establishment and oversight. This summer, the Graduate School will look at graduate certificate programs in place at peer institutions and then make a recommendation back to this body in the fall term 2007 regarding similar programs at Notre Dame. Procedures and protocols formulated and approved will then provide a template to the

Graduate School as it goes forward with requests from departments, programs, institutes, and centers to launch graduate certificate programs. Prof. Pope-Davis said that any certificate programs now in existence at Notre Dame will be required to conform to the standards approved next year.

III. Termination of OAK Program

Dr. Turpin explained that in 1996, the Graduate School developed the One-of-a-kind (OAK) PhD program, which allows faculty in non-PhD-granting departments to act as advisors and mentors to PhD students and to direct their dissertations. The program was designed for truly exceptional students who already had a master's degree from another institution and who wished to earn their PhD by working with a particular Notre Dame faculty member in a department that does *not* have a PhD program—for example, Music or Romance Languages and Literatures. The program was intended as well to function as a retention measure for distinguished faculty in non-PhD-granting departments. Faculty enlisted for the OAK program were intended to be scholars whose reputation within the discipline would allow them to attract, train, and place an outstanding PhD student.

Dr. Turpin further explained that the OAK program was designed with a stringent application process to ensure that it was used as intended; yet, since 1996, there have been only five applications—with one student admitted. That student left the University eventually without earning a PhD. She attributed his departure to structural problems within the program. When faculty members are not familiar with the normal progression to the PhD at Notre Dame, and when there is no existing cohort of graduate students to consult, a solitary student can slip easily through bureaucratic cracks.

Profs. Maziar and Narvaez pointed out that several peer institutions have programs in which it is possible for a student with interests that do not conform to a particular department to earn a cross-disciplinary

PhD. Dr. Turpin clarified that the OAK program is not a program for cross-disciplinary students.

In response to members' comments, Dr. Akai pointed out that German and Russian Languages and Literatures was the source of the OAK program, not Romance Languages and Literatures. He agrees that the difficulties with the OAK program—for example, taking supporting courses, gathering a cohort for the student, providing teaching experiences for the student—are structural. With departmental cooperation, it is certainly possible for PhD students to work across disciplines at Notre Dame.

Prof. Merz, who was dean of the Graduate School when the OAK program was initiated, offered the perspective that the program was designed primarily to function as a faculty retention measure. Perhaps the OAK program was not the appropriate vehicle for students whose interests do not fit within traditional departments, but the University should be vigilant about keeping avenues to a PhD available to these students.

Prof. Pope-Davis asked for a vote on the proposal to terminate the OAK program. With one abstention, the proposal to terminate was approved. The Graduate School will submit the proposal to the Academic Council for its approval.

IV. Graduate School Bulletin Revisions

In the fall 2006 term, Prof. Pope-Davis appointed a committee to update and revise the Graduate School's *Bulletin*, which sets forth the academic regulations for the Graduate School. Committee members were: Crislyn D'Souza-Schorey, Thomas Fuja, Michael Lundin (Graduate Student Union President), Darcia Narvaez, Thomas Slaughter, and Barbara Turpin (Graduate School, *ex officio*). After undertaking benchmarking of some AAU universities, members worked through the first 27 pages of the 2006-2007 *Bulletin* to update the text, conform it to actual practice, and organize some sections more clearly. Members were sent a revised text before today's meeting, with three suggested policy changes highlighted:

- Eliminating the position of outside chair for examinations and dissertation defenses;

- Abolishing the policy of requiring Graduate School approval of faculty from other departments than the home department (or universities other than Notre Dame) to serve on examining committees, with the recommendation that the department itself can provide the approval;
- Changing an incomplete grade to an F on the transcript if work to remove the incomplete has not been submitted by the deadline. Currently, the incomplete is factored into the calculation of the GPA *as if* it were an F, but an actual grade of F is not assigned.

Simultaneously with the *Bulletin* revision committee, Prof. Pope-Davis appointed a second committee to examine the specific issue of regulations for oral examinations. As described in detail below, its members—Umesh Garg, Dawn Gondoli, Graham Hammill, Amber Handy (Graduate Student Union vice president), and Terrence Akai (Graduate School, *ex officio*)—also circulated their suggested changes to members before today’s meeting. On one particular aspect of oral examinations—that the position of outside chair continue—this committee formulated a different recommendation than the *Bulletin* revision committee.

The first proposed *Bulletin* revision discussed concerned the position of outside chair in examinations and dissertation defenses. Prof. Slaughter, chair of the *Bulletin* revision committee, explained that the position of “outside chair”—a faculty member from a department other than the candidate’s home department who chairs the examination and represents the Graduate School—was established to ensure that examinations are conducted fairly and rigorously. Members of his committee concluded, however, that the outside chair functions primarily as a timekeeper. Moreover, the position is not common at other universities and its existence invariably presents scheduling difficulties. Thus, committee members recommend eliminating the position.

Council members then engaged in a lively discussion over the issue, with some members, including Profs. Pope-Davis and Merz, saying that they have had personal experience as outside chairs in monitoring fairness of examinations—for example, when

a faculty member either answered questions for a candidate or, in a much different situation, verbally abused a candidate. And, outside of his or her role as a monitor, they believe that the outside chair can provide a valuable perspective on the defense. Mr. Lundin and Dr. Akai also supported this viewpoint, saying that graduate students regard the position of outside chair as a safeguard, a way to ensure fairness in the examination and dissertation processes. While situations described by Profs. Pope-Davis and Merz occur rarely, the position is nevertheless a critical safeguard.

After further discussion, Prof. Pope-Davis called for a vote on whether the position of outside chair should continue. By a show of hands, members voted 10 to 6, with two abstentions, that it should.

The Council then considered the recommendation that departments assume responsibility for approving faculty from outside the home department on examinations. With Prof. Slaughter explaining that Graduate School approval of faculty from other departments or universities serving on examining committees is invariably *pro forma*, the committee’s proposal to abolish the policy requiring such approval was not controversial. Council members agreed that the disciplinary expertise to judge the professional qualifications of examiners and dissertation committee members—both those outside the department as well as non-teaching-and-research faculty within it—should reside in departments and colleges. Through a series of friendly amendments, members agreed that the appropriate language for the *Bulletin* should be: “A student’s department shall approve the members of examining committees.”

Finally, the Council turned its attention to the recommendation that the University assign a grade of F to a student’s transcript when work from a previous incomplete has not been submitted by the deadline. Now, for the purposes of the grade point average, an incomplete grade is factored into a student’s grade point average as an F, but an actual grade of F is not assigned. Committee members recommend that while exceptions can always be made for special circumstances, as a matter of policy, an F should appear on a student’s transcript rather than an incomplete.

Council members showed unanimous support for the committee’s recommendation but could not agree on the precise language for this *Bulletin* provision. Thus, Prof. Pope-Davis remanded this provision back to the committee for further crafting.

Recommendations of the oral examination sub-committee, appearing in Attachment G to the Graduate Council agenda, were considered next by the Council. The first issue concerned the imposition of time limits for passing oral examinations and approval of dissertation topics. The committee proposed language for the *Bulletin* stating that all students must pass both of these hurdles within four years of enrollment. Exceptions to this policy may be made by the Graduate School in cases where established disciplinary practices dictate otherwise, with the department concerned establishing the need for such exceptions.

While Council members gave full support to the subcommittee’s recommendation, which was described as current Graduate School policy, Prof. Pope-Davis asked that the subcommittee further refine the particular language of this provision as well. One issue raised was whether candidates must actually pass the examination in four years or whether they must only make a first attempt at passing the examination. Another issue raised by members was whether failure to pass the examination leads to loss of student status or only to loss of Graduate School support. Dr. Turpin replied to both concerns, stating that students must not only take the exam but also pass it within four years of first enrolling at the University; however, if a student fails to pass the exam, it is the funding that is affected, not student status.

The Council then moved on to a consideration of the composition of oral examination committees. The committee charged with this review recommended, and Council members unanimously agreed, that the examination committee for oral candidacy examinations consist “of at least three members [instead of the current four], including the dissertation director but not including the outside chair. Of these, at least two members (preferably including the dissertation director) must be physically present at the examination. The others may participate via audio or video conference call. A two-thirds majority of the commit-

tee is required to pass the examination. The outside chair does not vote.”

Finally, while not mandated by the Bulletin, as recommended by the subcommittee, Council members asked that the Graduate School prepare a brochure for the outside chairs so that they can understand their role in the examination process more clearly. Prof. Taylor suggested as well that, for the sake of uniformity, the Graduate School give outside chairs a simple form to submit their comments to the Graduate School after an examination.

As for the graduate students taking the examinations, the Graduate School was asked to create a brochure or to provide written direction to a Web site that contains the specific rules for examinations. Special attention should be given in the brochure or Web site to the issue of students' ability to question or challenge the fairness of an examination.

Before adjournment, Graduate School staff distributed copies of a new version of *Quickfacts*, which provides vital statistics on the Graduate School, and asked Council members to provide their comments on its content to Dr. Akai in the next few weeks.

Prof. Pope-Davis said that given the lateness of the hour, he would postpone updates on departmental reviews and the Office of Research until a future Graduate Council meeting. He then adjourned the meeting at 5:10 p.m.

University Council for Academic Technologies

May 2, 2007 – 9:00 – 10:30 am

Notre Dame Room, LaFortune

MINUTES

UCAT Members present: Pascal Calarco, Alan DeFrees, Robert Easley, Mike Hildreth, Michael Kirsch, Bill McDonald, Mihir Sen, Robert Stevenson, and Olaf Wiest.

UCAT Members absent: Ed Edmonds, Oleg Kim, Mariana Montes, Mark Schurr, and John Sherman

Ex-officio members present: Craig Brummell, Dan Marmion, Harold Pace, Peggy Rowland, Gordon Wishon (Chair)

Ex-officio members absent: Alex Hahn

Guests: Brian Burchett, Will Bruckert, Bart Loeb, and Terri Hall. Kitty Cooney Hoye, recorder.

Call to Order: UCAT chair Gordon Wishon called the meeting to order at 9 am.

Welcome remarks and agenda review

Mr. Wishon welcomed members and guests to the meeting. He noted that this marks the last UCAT meeting of the semester, but quickly added that both the Course Management Systems subcommittee as well as the CRC would continue their work throughout the summer months. Mr. Wishon briefly reviewed the agenda and asked members to pay particular attention to items #6 and #7 seeking feedback on strategic goals and areas of focus for next year.

1. Approval of Minutes

Minutes from both the March 15, 2007 and April 9, 2007 meetings were unanimously approved.

2. Subcommittee Committee Reports

Course Management Systems, Rob Easley, Chair

Prof. Rob Easley reported that the subcommittee met with UCAT chair Mr. Gordon Wishon and Vice President and Associate Provost Dr. Dennis Jacobs to discuss various course management evaluation processes. He described the meeting as being “very useful and productive” adding that despite a number of significant concerns, there is a real need to proceed with the evaluations. The stability of the system is very important, explained Prof. Easley. Currently, the entire marketplace is “insecure” and Easley is concerned that upgrades may be forced on us before they are ready. Mr. Wishon noted that although upgrades are planned for WebCT, there have been several challenges or “functional deficiencies” along the way. He hopes a new beta version (due out this summer) will provide some solutions, but noted “the faculty comfort level is very important” and if needed the OIT will refer back to an earlier version of WebCT if necessary. Prof. Easley concluded his report by stressing the need to evaluate and narrow the selections so as to have some type of pilot program in place this fall.

Software Acquisition and Distribution, Olaf Wiest, Chair

Mr. Wishon reminded the members of the new procedures regarding faculty requests for software in the clusters and classrooms. He thanked Prof. Wiest and the subcommittee as well as University Registrar Dr. Harold Pace for their work on implementing the new procedures. Responding to questions from the members, Peggy Rowland reported that 30 requests had been submitted to date and “everything is in very good shape” for the fall. Prof. Wiest indicated he will be on sabbatical next semester and Prof. Dan Gezelter will serve in his absence.

Committee on Research Computing (CRC) Advisory Council, Dewitt Latimer, Chair

Assistant Provost, and Acting Director of the CRC, Dewitt Latimer reports the CRC has been very active over the past six weeks. The search for a new director continues as two candidates were recently invited to interview on-campus. Dr. Latimer reports that negotiations are continuing, and he hopes to have an announcement on a permanent director very soon.

The 2007 CRC Award for Excellence in Computational Sciences and Visualization was recently awarded to graduate students Robert Brugger (M.A. student in Biological Sciences) and Manish Kelkar (PhD candidate in Chemical Engineering). The award, which includes a \$1000 cash prize, was previously sponsored by Silicon Graphics Corporation.

Dr. Latimer reported on several recent CRC sponsored activities. Four training sessions were recently held on topics ranging from UNIX commands to Compiler Optimization and Debugging. Of the twenty eight users in attendance explained Dr. Latimer, there was a “very high correlation between those who attended the sessions and those who became users.”

The CRC is also in the midst of its colloquia series reported Dr. Latimer. The spring 2007 CRC Special Interdisciplinary Program on Scientific Computing, co-sponsored by the Center for Applied Mathematics and Interdisciplinary Center for the Study of Biocomplexity, began April 16, 2007 with a series of four speakers and will conclude

May 15, 2007, with the CRC Workshop on Scientific Computing and a keynote address given by Johannes Westerink.

Dr. Latimer gave a brief update on the CRC survey sent out in February 2007. Of the 200 users surveyed, the CRC has received 61 responses as of March 15, 2007. The results so far indicate a general sense of satisfaction with the CRC. Complete survey results are available on the CRC website <http://crc.nd.edu/>

Dr. Latimer concluded his report stating “The CRC continues to build bridges of trust and confidence” which can be evidenced by the actions of those like Prof. Edward Maginn, who entrusted the CRC to purchase and operate a significant sized HPC cluster out of one of his grants. Mr. Wishon suggested inviting Prof. Maginn to a future UCAT meeting to discuss his thoughts and rationale on the issue.

Student Topics – Brian Burchett

The chair asked Brian Burchett to give a brief update on the computer cluster renovation project. Burchett distributed a handout detailing the new plans for the renovated cluster. He anticipates the project will be completed by the end of May 2007; however work will not begin on the 2nd floor until finals are completed. In the meantime, work is underway on developing a training program for students, as well as a coordinated program for checking out laptop computers. Burchett won’t consider the project “finished” however, until focus groups are conducted next year to evaluate the changes.

Electronic Research Project Update — Terri Hall

A technology transfer business process review meeting is scheduled to document and discuss current and desired procedures for Notre Dame.

In addition, a number of faculty meetings with representatives from the RSPA (who manage the financial side of awards) and the Office of Research have taken place to discuss award management. Topics included outlining what financial information is needed from a PI perspective, to monitor awards so this data will provide input on the implementation of the InfoEd Post Award module.

Copies of Terri Hall’s handout can be found at: <https://oit.nd.edu/ucats/reportspresentations.shtml>

Support for Mac O/S – Bob Stevenson

Prof. Stevenson addressed the members on the “on-going issue” regarding the problems facing Mac users and integration within the current University institutional file systems, as well as lack of home directories and roaming profiles. Dr. Latimer commented that we live in a Windows dominated world, and while Apple does a decent job at integration, it is difficult to ensure that Apple will work well in a Windows dominated world. Dr. Latimer added that next Friday the Advanced Computing Committee will be meeting to address some of these issues.

UCAT focus for upcoming academic year?

Mr. Wishon expressed a strong desire for this committee to guide and advise him on strategies to better support faculty, staff and students. For example, support for Linux has shifted from the OIT to the CRC, due to committee input. Mr. Wishon added that it is really up to the committee to decide if the level of support offered is sufficient and if not, then to indicate what is expected from the OIT. Dr. Latimer referred to strategic principles as “the degree to which the University has the capacity to support multiple operating systems and applications.” To what degree and at what cost? An increase in support means a decrease somewhere else. The question then becomes one of priorities.

Prof. Bob Stevenson asked how the priorities are set. “It seems the faculty have very little voice in the decisions.” Professor Olaf Wiest said the strategic target is clear – research enterprise wide is becoming more important. Then ask 1) what are the strategic consequences for OIT; and 2) what are processes put into place to respond? Dr. Latimer – research will grow, but recognize growth includes space, staff, resources, etc. We know what our current resource pool is, but what do we need to do to keep it up?

Mr. Wishon remarks – that then begs the question “what is the process necessary to find out?” UCAT is a policy body and asks if this group will take a significant role in making those decisions.

Gordon Wishon - From an OIT perspective, what one or two things can the OIT improve upon?

Discussion ensued on the role of the UCAT in establishing priorities of the OIT, and in the creation of a comprehensive computing strategy for the campus. Profs Stevenson and Wiest addressed issues relating to the growth of research on campus, and the concomitant need to adjust priorities, as well as the need to clear up confusion among the faculty regarding the role of the CRC. Prof Easley asserted the focus needed to be broader than research, and that there needs to be a way for faculty to have a voice in setting priorities. Mr. Wishon agreed that the UCAT should have a more active role in the discussion of priorities, and suggested that the OIT staff work with faculty over the summer to define a structure and process for this to occur. In addition, the current work of the colleges to articulate computing and computing support requirements in response to a request from the Provost will be integrated into a comprehensive campus strategy to be offered for review in the upcoming academic year.

The chair thanked the members for their dedication and commitment of time and service to UCAT. Much has been accomplished over the course of the academic year and Mr. Wishon is very appreciative of the UCAT members and their efforts.

Adjournment: Mr. Gordon Wishon adjourned the meeting at 10:35 am.

Research

Awards and Proposal Summary

09/01/2007 to 09/30/2007

Awards Received

Category	No.	Amount
Research	33	\$9,961,649
Instructional Programs	4	\$485,845
Total:	37	\$10,447,494

Proposals Submitted

Category	No.	Amount
Research	80	\$25,908,917
Total:	80	\$25,908,917

September 2007 Cumulative summary

Awards Received

Category	07.01.2005 - 09.30.2005		07.01.2006 - 09.30.2006		07.01.2007 - 09.30.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	104	\$22,253,813	139	\$24,533,365	103	\$35,820,142
Facilities and Equipment						
Instructional Programs			4	\$591,775	4	\$485,845
Other Programs						
Service Programs						
Total:	104	\$22,253,813	143	\$25,125,140	107	\$36,305,987

Proposals Submitted

Category	07.01.2005 - 09.30.2005		07.01.2006 - 09.30.2006		07.01.2007 - 09.30.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	181	\$41,384,904	193	\$49,766,100	191	\$78,491,433
Facilities and Equipment						
Instructional Programs			10	\$366,336	7	\$910,498
Other Programs	1	\$5,000				
Service Programs						
Total:	182	\$41,389,904	203	\$50,132,436	198	\$79,401,931

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 Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Powers, Joseph M. Paolucci, Samuel (Center or Institute)	Advanced Multi-Scale Computational Methods for Hypersonic Propulsion	National Aeronautics and Space Administration	\$120,000	36
Tomar, Vikas	Microstructural Engineering of SiC-Si3N4 Nanocomposites Using a Combination of Classical Molecular Dynamics and Cohesive Finite Element Methods.	National Science Foundation	\$37,500	24
Wagner, Diane R. Roeder, Ryan K. Ovaert, Timothy C. Schmid, Steven R. Niebur, Glen L.	Orthopaedic Implant Design and Manufacturing for Traumatic Injuries	Department of Army	\$1,681,000	36
Department or Office:	Alliance for Catholic Education			
Nuzzi, Ronald J. (Center or Institute) Frabutt, James M.	Renewing Leadership Mission Among ACE Leadership Candidates	Private Foundation	\$25,000	12
Department or Office:	Biological Sciences			
Ferdig, Michael T. (Center or Institute)	High-resolution Hybridization-based Genotyping in Plasmodium Falciparum	National Institutes of Health	\$222,500	11
Hinchcliffe, Edward H. (Center or Institute)	Mechanisms of Centrosome Reproduction in Animal Cells	National Institutes of Health	\$250,547	12
Department or Office:	Chemical and Biomolecular Engineering			
Bohn, Paul W.	Three Dimensional Molecular Imaging for Lignocellulosic Materials	Department of Energy	\$500,000	24

Awards received during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
McGinn, Paul J. (Center or Institute)	Combinatorial Screening of Proton Conductors for Intermediate Temperature Fuel Cells.	Corporate Funding	\$50,000	12
Schneider, William F.	Towards Realistic Models of Heterogenous Catalysis: Simulations of Redox Catalysis from First Principles	Department of Energy	\$134,000	12
Wolf, Eduardo E. Mukasyan, Alexander S.	GOAL: Novel Impregnated Layer Combustion Synthesis for Catalysts Preparation: Hydrogen Production from Methanol.	National Science Foundation	\$299,999	36
Department or Office:	Chemistry and Biochemistry			
DuBois, Jennifer	Cloning Expression and Characterization of Chlorite Dismutase from Dechloromonas Aromatic ...	Environmental Protection Agency	\$29,242	36
Mobashery, Shahriar (Center or Institute) Chang, Mayland	Intervention of Disease by Selective Gelatinase Inhibitors	National Institutes of Health	\$372,417	11
Sevov, Slavi C.	Nanorods of Silicon and Germanium with Well-Defined Shapes and Sizes	Department of Energy	\$118,465	12
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	\$20,326	12

Awards received during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Civil Engineering and Geological Sciences				
Kareem, Ahsan Madey, Gregory R. Kijewski-Correa, Tracy L.	VORTEX-Winds: A Virtual Organization for Reducing the Toll of EXTreme Winds on Society	National Science Foundation	\$140,000	36
Kareem, Ahsan Kijewski-Correa, Tracy L.	Performance Evaluation of Tall Buildings Under Winds: From Predictive Methods to Laboratory and Full-Scale Measurements	National Science Foundation	\$110,000	36
Westerink, Joannes J.	Collaborative Research: NSF PetaApps Storm Surge Modeling on Petascale Computers.	National Science Foundation	\$400,000	12
Westerink, Joannes J.	Development of a Gulf of Mexico Storm Surge Model from Texas to Florida.	Corporate Funding	\$102,600	12
Department or Office: Computer Science & Engineering				
Flynn, Patrick Stevenson, Robert L. Bowyer, Kevin W. Chen, Danny Z	Instrumentation for Multidimensional Imaging and Applications	National Science Foundation	\$400,000	84
Department or Office: Electrical Engineering				
Haenggi, Martin	Geometric Analysis of Large Wireless Networks: Interference, Outage, and Delay.	National Science Foundation	\$200,000	36
Jena, Debdeep (Center or Institute) Kuno, Masaru K.	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	\$29,107	36

Awards received during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Laneman, J. N.	Software-Defined Radio Technologies for Justice Justice and Public Safety Communications	National Institute of	\$200,000	28
Porod, Wolfgang Hahn, Alexander J. (Center or Institute)	Notre Dame RET Site in Engineering	National Science Foundation	\$499,998	36
Snider, Gregory L. (Center or Institute)	Directed Assembly of Epitaxial Semiconductor Nanostructures	University of Virginia	\$50,000	107
Snider, Gregory L. (Center or Institute)	Interfacing CMOS and Self-Assembled Nanostructures	National Science Foundation	\$300,000	36
Department or Office: English				
Staud, John J. (Center or Institute)	Daniels Fund	Private Foundation	\$60,000	12
Department or Office: Physics				
Janko, Boldizsar (Center or Institute)	Nanoscale Hybrid Material	Argonne National Laboratory	\$57,976	12
LoSecco, John M. Hildreth, Michael D. Jessop, Colin P.	Research in CP Violation in the B Meson Sector	Department of Energy	\$110,000	24
Wayne, Mitchell R. Karmgard, Daniel J.	Quarknet	National Science Foundation	\$1,065,000	60
Wiescher, Michael C (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$2,000,000	60

Awards received during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Political Science				
Zuckert, Michael P.	Freedom of Religion...Endowment for the Tocqueville Program in Religion and American Public Life	National Endowment for the Humanities	\$333,000	55
Department or Office: Psychology				
Eberhard, Kathleen M.	Effective Human-Robot Interaction Under Time Pressure Through Robust Natural Language Dialogue.	Indiana University Bloomington	\$12,652	61
Department or Office: William J. Hank Family Chair				
Dwyer, William G.	Theoretical Side of Persistent Homology	Stanford University	\$30,320	12
<u>Awards for Instructional Programs</u>				
Department or Office: Educational Talent Search				
Outlaw, Warren G. Coleman, Myrtie M. Vann-Hamilton, Joy J.	Talent Search	Department of Education	\$413,692	36
Department or Office: Kellogg Institute for International Studies				
Schierling, Sharon K. (Center or Institute) Beatty, Edward N.	Mobility, Society and Governance in North America	Department of Education	\$57,699	24
Department or Office: Theology				
Cavadini, John C. (Center or Institute)	Vision Youth Ministry Partnership	Corporate Funding	\$10,000	12
Department or Office: Upward Bound				
Coates, Alyssia J.	Summer Food Service Program	Indiana Department of Education	\$4,454	3

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Dunn, Patrick F.	Feasibility Study of Plasma-Actuated Assisted Compression.	Shell Development Company	\$20,000	9
Corke, Thomas C.				
Thomas, Flint O.				
Ibrahim, Abdelmaged H.				
Nelson, Robert C. Corke, Thomas C.	"Smart Wind Turbine Blades" The Technological Enabler for Future Wind Turbine Control Strategies.	National Science Foundation	\$532,434	36
Renaud, John E.	GOALI: Hybrid Cellular Automata for Topology and Topography Synthesis in Augomotive Structural Design.	National Science Foundation	\$274,095	36
Roeder, Ryan K.	Biological Materials Science Symposium	National Science Foundation	\$5,000	6
Sen, Mihir	Synchronization of Self-sustained Thermostatic Oscillations in a Large-scale, Complex System.	National Science Foundation	\$513,265	36
Department or Office:	American Studies			
Schmuhl, Robert P.	"Easter 1916 and America: The Irish Rebellion and the "Exiled Children".	Woodrow Wilson International Center for Scholars	\$75,000	9
Schmuhl, Robert P.	Easter 1916 and America : The Irish Rebellion and the "Exiled Children".	J.S. Guggenheim Memorial Foundation	\$40,000	10

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Biological Sciences				
Duffield, Giles E.	Role of Inhibitor of DNA Binding Genes in the Suprachiasmatic Nucleus Circadian Clock.	Whitehall Foundation, Inc.	\$225,000	36
Hager, Kristin M.	Secreted Virulence Factors in Toxoplasma Gondii	National Institutes of Health	\$262,500	19
Hellmann, Jessica J. Lobo, Neil F.	Predicting the Impacts of Climate Change on Animal Distributions: the Importance	Department of Energy	\$386,069	24
Hellmann, Jessica J.	Climate-driven Range Shifts: An Experiment Examining the Possible Breakdown of Interactions Between Specialist Insects and Their Host Plants.	Indiana Academy of Science	\$2,750	12
Kulpa, Charles F.	Genes Controlling Blood Cell Development in Drosophila.	National Institutes of Health	\$556,301	12
Lamberti, Gary A.	Ecology and Food Web Structure in Ponds on the West Copper River Delta, Alaska	Loyola University, Chicago	\$10,000	7
Li, Lei	Characterization of Dominant Night Blindness Mutations in Zebrafish.	National Institutes of Health	\$300,000	12

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Lodge, David M. Jensen, Richard A.	Forecasting Spread and Bioeconomic Impacts of Aquatic Invasive Species from Multiple Pathways to Improve Management and Policy in the Great Lakes.	National Oceanic & Atmospheric Administration	\$4,949,120	60
Pollard, Morris	Transmission and Prevention of Hereditary tumors in Hybrid Rats	Elsa U. Pardee Foundation	\$69,203	24
Severson, David W.	Midgut Bacteria in Aedes Aegypti and Vector Competence	National Institutes of Health	\$120,960	12
Department or Office:	Chemical and Biomolecular Engineering			
Brennecke, Joan F. Stadtherr, Mark A.	Using Ionic Liquids in the Development of New Gas Separations Methodologies.	National Institute of Advanced Industrial Science and Techno	\$75,010	24
Wolf, Eduardo E.	Fabrication of a Catalytic Nanodiode.	National Science Foundation	\$50,175	12
Department or Office:	Chemistry and Biochemistry			
Corcelli, Steven A.	Biological Water at DNA Interfaces.	Arnold & Mabel Beckman Foundation	\$299,455	36
Lieberman, Marya Porod, Wolfgang	REU: Nano-Bio Engineering at the University of Notre Dame.	National Science Foundation	\$327,937	36

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Mobashery, Shahriar	Elucidation of Molecular Processes in Antibiotic Resistance of Methicillin-Resistant Staphylococcus Aureus.	Pew Latin American Fellows Program	\$95,000	36
Taylor, Richard E.	Synthesis and Biosynthesis of Pyran and Spiroketal Structural Units.	National Institutes of Health	\$375,000	12
Department or Office:	Civil Engineering and Geological Sciences			
Kurama, Yahya C.	Reinforced Concrete Bearing Walls Subjected to Elevated Temperatures.	National Science Foundation	\$116,715	30
Neal, Clive R.	Analogue Field Studies for Robotic Sampling of Lunar Regolith Stratigraphy: Achieving Exploration and Science Objectives.	National Aeronautics and Space Administration	\$517,081	48
Sakimoto, Susan E.	Transportation Demand Model Development for Elkhart County.	Elkhart County	\$35,147	12
Silliman, Stephen E.	Empowerment of Rural Populations to Monitor and Maintain the Quality of Groundwater Resources: Case Study in Rural Benin, West Africa	PepsiCo Foundation	\$84,886	18

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Talley, Jeffrey W. Bauer, Peter H. Haenggi, Martin Laneman, J. N. Lemmon, Michael D. Kijewski-Correa, Tracy L. Antsaklis, Panos J.	Networked Sensing in Built and Natural Environments: Full Scale Metropolitan Deployment.	CRANE - Naval Surface Warfare Center	\$2,200,537	12
Westerink, Joannes J.	Development of a Gulf of Mexico Storm Surge Model from Texas to Florida.	Arcadis U.S., Inc.	\$102,606	12
Department or Office:	Classics, The			
Amar, Joseph P.	Ephrem the Syrian: An Intellectual and Cultural Biography	Earhart Foundation	\$35,000	5
Department or Office:	Computer Science & Engineering			
Poellabauer, Christian Striegel, Aaron	REU-Site: Experimental Research on Wireless Networking.	National Science Foundation	\$312,750	36
Department or Office:	Economics and Econometrics			
Jensen, Richard A.	Does Higher Family Incomes Produce Better Child Health? Evidence from the 1993 Expansion of the Earned Income Tax Credit.	Russell Sage Foundation	\$131,481	24

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Electrical Engineering				
Collins, Oliver M.	A Practical Approach Multi-User Channels with Unknown Fading	National Science Foundation	\$466,321	36
Fay, Patrick J.	Low-Noise Amplifiers for Long-Range Communications	Vega Wave Systems, Inc.	\$57,944	12
Fay, Patrick J.	High-Efficiency Solid-State Power Amplifiers for Long-Range X- band Telecommunications.	Vega Wave Systems, Inc.	\$28,936	6
Jena, Debdeep	High -Speed GaN HEMTs by Phonon Engineering.	Raytheon Company	\$50,001	12
Department or Office: English				
Bays, Terri L.	OCWC Project Manager	Massachusetts Institute of Technology	\$42,880	12
Vanden Bossche, Chris R.	Reform Acts: The Franchise, Agency, and the Novel, 1832-1867.	American Council Learned Society	\$60,000	11
Department or Office: German and Russian Languages and Literatures				
Gillespie, Alyssa W.	Dangerous Verses: Alexander Pushkin and the Ethics of Inspiration	J.S. Guggenheim Memorial Foundation	\$40,000	12

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: History				
Coleman, Jon T.	Here Lies Hugh Glass: Grizzly Bears, Mountain Men, and the Nature of the American West.	American Council Learned Society	\$59,500	12
Martin, Alexander	Enlightened Absolutism and Urban Modernity in Moscow, 1763-1881.	J.S. Guggenheim Memorial Foundation	\$40,000	10
Noble, Thomas F.	Enhancing Byzantine Studies at Notre Dame.	Gladys KriebelDelmas Foundation	\$100,000	6
Van Engen, John H.	The Spirit of the Twelfth Century: Reading, Reason, and a Revolt In a World of Custom	Spencer Foundation	\$40,000	11
Van Engen, John H.	The Spirit of the Twelfth-Century Europe: Reason and Revolt, Reading and Romance, in a World of Custom.	The New York Public Library	\$60,000	11
Department or Office: Institute for Latino Studies				
Richman, Karen E.	Latinno Immigrants in South Bend: An Applied Research Project.	Memorial Hospital of South Bend	\$7,122	12
Department or Office: Law School				
Brinig, Margaret	The Implications of Changing Family Formation Patterns for Children and Adults.	University of Virginia	\$135,452	60

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Mathematics				
Alber, Mark S. Jiang, Yi Xu, Zhiliang	LTB: Integrating Multiscale Modeling and in Vivo Experiments for Studying Blood Clot Development.	National Science Foundation	\$878,610	36
Cholak, Peter A.	Topics in Computability Theory	National Science Foundation	\$100,106	36
Connolly, Francis X. Gekhtman, Michael Wong, Pit-Mann	REU SITE: Notre Dame Research Experience for Undergraduates	National Science Foundation	\$343,516	36
Gursky, Matthew J.	Variational Problems and Nonlinear Equations from Geometry.	National Science Foundation	\$179,480	36
Himonas, Alex A. Misiolek, Gerard K.	Analysis and Geometry of Partial Differential Equations	National Science Foundation	\$413,611	36
Hind, Richard K.	Collaborative Research: Illinois-Indiana Symplectic Geometry Conference.	National Science Foundation	\$17,118	12
Hu, Bei	Nonlinear Partial Differential Equations and Free Boundary Problems.	National Science Foundation	\$81,512	36
Ledrappier, Francois M.	Ergodic Theory	National Science Foundation	\$368,808	24

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Migliore, Juan C.	Collaborative Research: Hilbert Functions and Betti Numbers	National Science Foundation	\$260,500	36
Stolz, Stephan A.	FRG: Collaborative Research: How the Algebraic Topology of Closed Manifolds Relates to Strings and 2D Quantum Theory.	National Science Foundation	\$250,103	36
Williams, Edward B.	PostDoctoral Research Fellow	National Science Foundation	\$1,125	12
Department or Office:	Music			
Haimo, Ethan T.	Haydn's Debt to Cimaraosa	American Council Learned Society	\$60,000	11
Department or Office:	Philosophy			
Bays, Timothy J.	Reflections on Skolem's Paradox.	John Templeton Foundation	\$98,418	15
David, Marian A.	One Skeptical Argument	American Philosophical Society	\$40,000	11
David, Marian A.	One Skeptical Argument	American Council Learned Society	\$40,000	11

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Physics				
Bennett, David P.	The High-Amplification Microlensing Event OGLE-2007-BLG-224: A Substellar Lens in the Galactic Disk or a Low-Mass Star in the Halo?	Space Telescope Science Institute	\$25,575	12
Ruggiero, Steven T. Tanner, Carol E.	The Creation of Macroscopic Torque From an Atomic Beam.	National Science Foundation	\$431,128	36
Sapirstein, Jonathan R.	Weak and Electromagnetic Radiative Corrections in Atomic Physics	National Science Foundation	\$139,616	36
Tanner, Carol E.	Absolute Optical Frequency Measurements in Silver: An Optical Clock for the 21st Century.	National Science Foundation	\$564,155	36
Wiescher, Michael C. Garg, Umesh Arahamian, Ani Collon, Philippe A. Tang, Xiao-Dong	Nuclear Structure and Nuclear Astrophysics.	National Science Foundation	\$6,435,338	36
Department or Office: Political Science				
Hagopian, Frances	Reorganizing Political Representation in Latin America: Parties, Program, and Patronage in Argentina, Brazil, Chile, and Mexico.	J.S. Guggenheim Memorial Foundation	\$40,000	10

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Hui, Tin-bor V.	China's Rise in Comparative-Historical Perspective: Rethinking Unification and War.	American Council Learned Society	\$30,000	11
Hui, Tin-bor V.	China's Rise in Comparative-Historical Perspective: Rethinking Unification and War.	U.S. Institute of Peace	\$50,000	13
Javeline, Debra	Political Responses to Violence: Citizen Participation after Beslan.	A.W. Mellon Foundation	\$190,284	36
Reydams, Luc H.	International Prosecutors from Nuremberg to the Hague.	U.S. Institute of Peace	\$39,795	16
Department or Office:	Program of Liberal Studies			
Mongrain, Kevin J.	Doxological Discourse: A Christian Secularist: Hans Urs Von Balthasar's Political Theology.	American Council Learned Society	\$30,000	11
Polzonetti, Pierpaolo	Italian Opera in the Age of the American Revolution.	American Council Learned Society	\$30,000	11
Polzonetti, Pierpaolo	Italian Opera in the Age of the American Revolution	J.S. Guggenheim Memorial Foundation	\$40,000	8

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Stapleford, Thomas A.	Home & Market: Women, Economics, and the Study of Consumption, 1910-1960.	Radcliffe Institute for Advanced Study	\$0	9
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten Proposal to Memorial Hospital-Community Health Advisory Group (CHAG)	Memorial Hospital of South Bend	\$40,000	0
Caponigro, Jerome V.	RCLC After School Program	City of South Bend	\$6,500	7
Department or Office:	Romance Languages and Literatures			
Juarez, Encarnacion	Women and Disability in Early Modern Spain: Aging Women, Prostitutes, and Saints.	American Council Learned Society	\$40,000	9
Department or Office:	Sociology			
Cardenas, Gilberto	Midwest Latino Arts Documentary Heritage Project	National Historical Publications and Records Administration	\$200,000	24
Department or Office:	Theology			
Herdt, Jennifer A.	Christian Formation in the Wake of Bildung	A.W. Mellon Foundation	\$154,986	36

Awards and Proposal Summary

Centers and Institutes Report

09/01/2007 to 09/30/2007

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Center for Flow Physics and Control	1	\$120,000
Center for Global Health and Infectious Diseases	1	\$222,500
Center for Zebrafish Research	1	\$250,547
Institute for Church Life	1	\$10,000
Institute for Theoretical Sciences	1	\$57,976
Kellogg Institute for International Studies	1	\$57,699
ND Energy Center	1	\$50,000
Nano Science and Technology Center	4	\$879,105
Nuclear Structure Laboratory	1	\$2,000,000
Walther Cancer Research Center	2	\$392,743
Total:	16	\$4,125,570

Proposals Submitted

Department or Office	No.	Amount
Center for Aquatic Conservation	1	\$4,949,120
Center for Astrophysics	1	\$25,575
Center for Flow Physics and Control	3	\$826,529
Center for Global Health and Infectious Diseases	2	\$383,460
Center for Zebrafish Research	1	\$300,000
Institute for Latino Studies	2	\$207,122
Interdisciplinary Center for the Study of Biocomplexity	1	\$878,610
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Kellogg Institute for International Studies	3	\$120,000
Kroc Institute for International Peace Studies	2	\$230,079
Lobund Laboratory	1	\$69,203
Medieval Institute	1	\$100,000
ND Energy Center	1	\$75,010
Nano Science and Technology Center	3	\$414,817
Nuclear Structure Laboratory	1	\$6,435,338
Robinson Community Learning Center	1	\$6,500
Total:	25	\$15,064,243

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 09/30/2007

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Center for Applied Mathematics	1	\$120,000
Center for Astrophysics	2	\$228,000
Center for Children and Families	1	\$1,640,117
Center for Flow Physics and Control	4	\$335,379
Center for Global Health and Infectious Diseases	6	\$16,037,893
Center for Microfluidics and Medical Diagnostics	2	\$219,605
Center for Transgene Research	1	\$355,568
Center for Zebrafish Research	1	\$250,547
Environmental Research Center	1	\$169,998
Freimann Life Science Center	1	\$100,000
Gigot Center	1	\$14,700
Institute for Church Life	1	\$10,000
Institute for Theoretical Sciences	1	\$57,976
Interdisciplinary Center for the Study of Biocomplexity	1	\$346,252
Joint Institute for Nuclear Astrophysics	1	\$86,250
Kellogg Institute for International Studies	2	\$167,625
ND Energy Center	1	\$50,000
Nano Science and Technology Center	7	\$1,047,845
Nuclear Structure Laboratory	3	\$2,091,250
Robinson Community Learning Center	1	\$40,000
Walther Cancer Research Center	4	\$973,552
Total:	45	\$24,427,557

Proposals Submitted

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Biological Sciences	1	\$45,883
Center for Aquatic Conservation	2	\$5,152,545
Center for Astrophysics	1	\$25,575
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	12	\$2,821,453
Center for Global Health and Infectious Diseases	6	\$2,675,034
Center for Microfluidics and Medical Diagnostics	2	\$721,789

Awards and Proposal Summary**Centers and Institutes Report****07/01/2007 to 09/30/2007**

Department or Office	No.	Amount
Center for Philosophy of Religion	4	\$120,000
Center for Transgene Research	3	\$574,500
Center for Zebrafish Research	3	\$696,240
Center for the Study of Religion and Society	1	\$25,000
East Asian Languages and Literatures	1	\$1,500,000
Freimann Life Science Center	1	\$100,001
Institute for Church Life	1	\$197,000
Institute for Latino Studies	5	\$342,024
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	2	\$15,221,193
Kellogg Institute for International Studies	3	\$120,000
Kroc Institute for International Peace Studies	2	\$230,079
Lobund Laboratory	1	\$69,203
Medieval Institute	1	\$100,000
ND Energy Center	2	\$125,010
Nano Science and Technology Center	7	\$1,389,815
Nuclear Structure Laboratory	1	\$6,435,338
Radiation Laboratory	1	\$0
Robinson Community Learning Center	4	\$21,500
Walther Cancer Research Center	4	\$767,000
Total:	79	\$40,851,251

Awards received during the period Sep-01-2007 to Sep-30-2007

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: ACE Educational Outreach				
Staud, John J. (Center or Institute)	Daniels Fund	Private Foundation	\$60,000	007227-001
Nuzzi, Ronald J. (Center or Institute)	Renewing Leadership Mission Among ACE Leadership Candidates	Private Foundation	\$25,000	007226-001
Frabutt, James M.				
Department or Office: Center for Flow Physics and Control				
Powers, Joseph M. Paolucci, Samuel (Center or Institute)	Advanced Multi-Scale Computational Methods for Hypersonic Propulsion	National Aeronautics and Space Administration	\$120,000	007003-001
Department or Office: Center for Global Health and Infectious Diseases				
Ferdig, Michael T. (Center or Institute)	High-resolution Hybridization-based Genotyping in Plasmodium Falciparum	National Institutes of Health	\$222,500	007238-001
Department or Office: Center for Zebrafish Research				
Hinchcliffe, Edward H. (Center or Institute)	Mechanisms of Centrosome Reproduction in Animal Cells	National Institutes of Health	\$250,547	006583-001
Department or Office: Institute for Theoretical Sciences				
Janko, Boldizsar (Center or Institute)	Nanoscale Hybrid Material	Argonne National Laboratory	\$57,976	007225-001
Department or Office: ND Energy Center				
McGinn, Paul J. (Center or Institute)	Combinatorial Screening of Proton Conductors for Intermediate Temperature Fuel Cells.	Corporate Funding	\$50,000	007224-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nano Science and Technology Center				
Snider, Gregory L. (Center or Institute)	Directed Assembly of Epitaxial Semiconductor Nanostructures	University of Virginia	\$50,000	007234-001
Snider, Gregory L. (Center or Institute)	Interfacing CMOS and Self-Assembled Nanostructures	National Science Foundation	\$300,000	007213-001
Jena, Debdeep (Center or Institute) Kuno, Masaru K.	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	\$29,107	006843-001
Porod, Wolfgang Hahn, Alexander J. (Center or Institute)	Notre Dame RET Site in Engineering	National Science Foundation	\$499,998	007209-001
Department or Office: Nuclear Structure Laboratory				
Wiescher, Michael C (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$2,000,000	006117-001
Department or Office: Walther Cancer Research Center				
Mobashery, Shahriar (Center or Institute) Chang, Mayland	Intervention of Disease by Selective Gelatinase Inhibitors	National Institutes of Health	\$372,417	007211-001
Taylor, Richard E. (Center or Institute)	Conformation - Activity Relationships	National Institutes of Health	\$20,326	006785-001
<u>Awards for Instructional Programs</u>				
Department or Office: Institute for Church Life				
Cavadini, John C. (Center or Institute)	Vision Youth Ministry Partnership	Corporate Funding	\$10,000	007215-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Kellogg Institute for International Studies				
Schierling, Sharon K. (Center or Institute) Beatty, Edward N.	Mobility, Society and Governance in North America	Department of Education	\$57,699	006933-001

Proposals submitted during the period Sep-01-2007 to Sep-30-2007**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. Jensen, Richard A.	Forecasting Spread and Bioeconomic Impacts of Aquatic Invasive Species from Multiple Pathways to Improve Management and Policy in the Great Lakes.	National Oceanic & Atmospheric Administration	\$4,949,120	08030198
Department or Office:	Center for Astrophysics			
Bennett, David P.	The High-Amplification Microlensing Event OGLE-2007-BLG-224: A Substellar Lens in the Galactic Disk or a Low-Mass Star in the Halo?	Space Telescope Science Institute	\$25,575	08030124
Department or Office:	Center for Flow Physics and Control			
Nelson, Robert C. Corke, Thomas C.	"Smart Wind Turbine Blades" The Technological Enabler for Future Wind Turbine Control Strategies.	National Science Foundation	\$532,434	08030139
Dunn, Patrick F. Corke, Thomas C. Thomas, Flint O. Ibrahim, Abdelmaged H.	Feasibility Study of Plasma-Actuated Assisted Compression.	Corporate Funding	\$20,000	08030127
Renaud, John E.	GOALI: Hybrid Cellular Automata for Topology and Topography Synthesis in Augomotive Structural Design.	National Science Foundation	\$274,095	08030196

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Global Health and Infectious Diseases			
Hager, Kristin M.	Secreted Virulence Factors in Toxoplasma Gondii	National Institutes of Health	\$262,500	08030136
Severson, David W.	Midgut Bacteria in Aedes Aegypti and Vector Competence	National Institutes of Health	\$120,960	08030166
Department or Office:	Center for Zebrafish Research			
Li, Lei	Characterization of Dominant Night Blindness Mutations in Zebrafish.	National Institutes of Health	\$300,000	08030154
Department or Office:	Institute for Latino Studies			
Richman, Karen E.	Latinno Immigrants in South Bend: An Applied Research Project.	Corporate Funding	\$7,122	08030137
Cardenas, Gilberto	Midwest Latino Arts Documentary Heritage Project	National Historical Publications and Records Administration	\$200,000	08030190
Department or Office:	Interdisciplinary Center for the Study of Biocomplexity			
Alber, Mark S. Jiang, Yi Xu, Zhiliang	LTB: Integrating Multiscale Modeling and in Vivo Experiments for Studying Blood Clot Development.	National Science Foundation	\$878,610	08030200
Department or Office:	John A. Kaneb Center for Teaching and Learning			
Bays, Terri L.	OCWC Project Manager	Massachusetts Institute of Technology	\$42,880	08030132

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

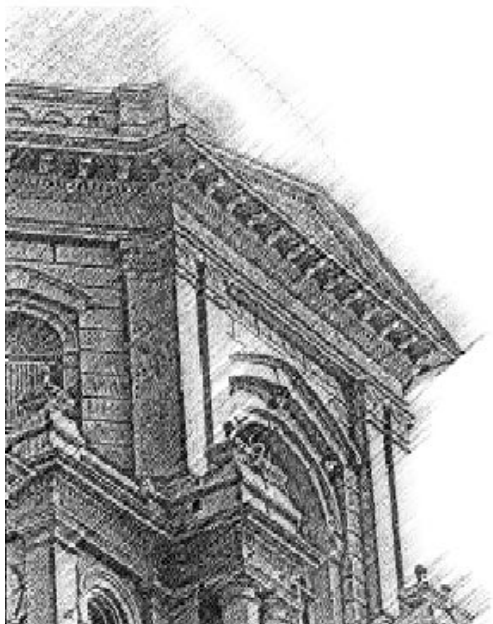
Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office: Kellogg Institute for International Studies				
Schmuhl, Robert P.	Easter 1916 and America : The Irish Rebellion and the "Exiled Children".	Private Foundation	\$40,000	08030141
Hagopian, Frances	Reorganizing Political Representation in Latin America: Parties, Program, and Patronage in Argentina, Brazil, Chile, and Mexico.	Private Foundation	\$40,000	08030158
Juarez, Encarnacion	Women and Disability in Early Modern Spain: Aging Women, Prostitutes, and Saints.	American Council Learned Society	\$40,000	08030195
Department or Office: Kroc Institute for International Peace Studies				
Javeline, Debra	Political Responses to Violence: Citizen Participation after Beslan.	Private Foundation	\$190,284	08030160
Reydams, Luc H.	International Prosecutors from Nuremberg to the Hague.	U.S. Institute of Peace	\$39,795	08030199
Department or Office: Lobund Laboratory				
Pollard, Morris	Transmission and Prevention of Hereditary tumors in Hybrid Rats	Private Foundation	\$69,203	08030171
Department or Office: Medieval Institute				
Noble, Thomas F.	Enhancing Byzantine Studies at Notre Dame.	Private Foundation	\$100,000	08030152

Proposals submitted during the period Sep-01-2007 to Sep-30-2007

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office: ND Energy Center				
Brennecke, Joan F. Stadtherr, Mark A.	Using Ionic Liquids in the Development of New Gas Separations Methodologies.	National Institute of Advanced Industrial Science and Techno	\$75,010	08030133
Department or Office: Nano Science and Technology Center				
Fay, Patrick J.	High-Efficiency Solid-State Power Amplifiers for Long-Range X- band Telecommunications.	Corporate Funding	\$28,936	08030128
Fay, Patrick J.	Low-Noise Amplifiers for Long-Range Communications	Corporate Funding	\$57,944	08030129
Lieberman, Marya Porod, Wolfgang	REU: Nano-Bio Engineering at the University of Notre Dame.	National Science Foundation	\$327,937	08030151
Department or Office: Nuclear Structure Laboratory				
Wiescher, Michael C. Garg, Umesh Aprahamian, Ani Collon, Philippe A. Tang, Xiao-Dong	Nuclear Structure and Nuclear Astrophysics.	National Science Foundation	\$6,435,338	08030174
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V.	RCLC After School Program	City of South Bend	\$6,500	08030188

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