

Notre Dame Report

Faculty Notes

- 193 Honors
- 193 Activities
- 195 Publications

Administrators' Notes

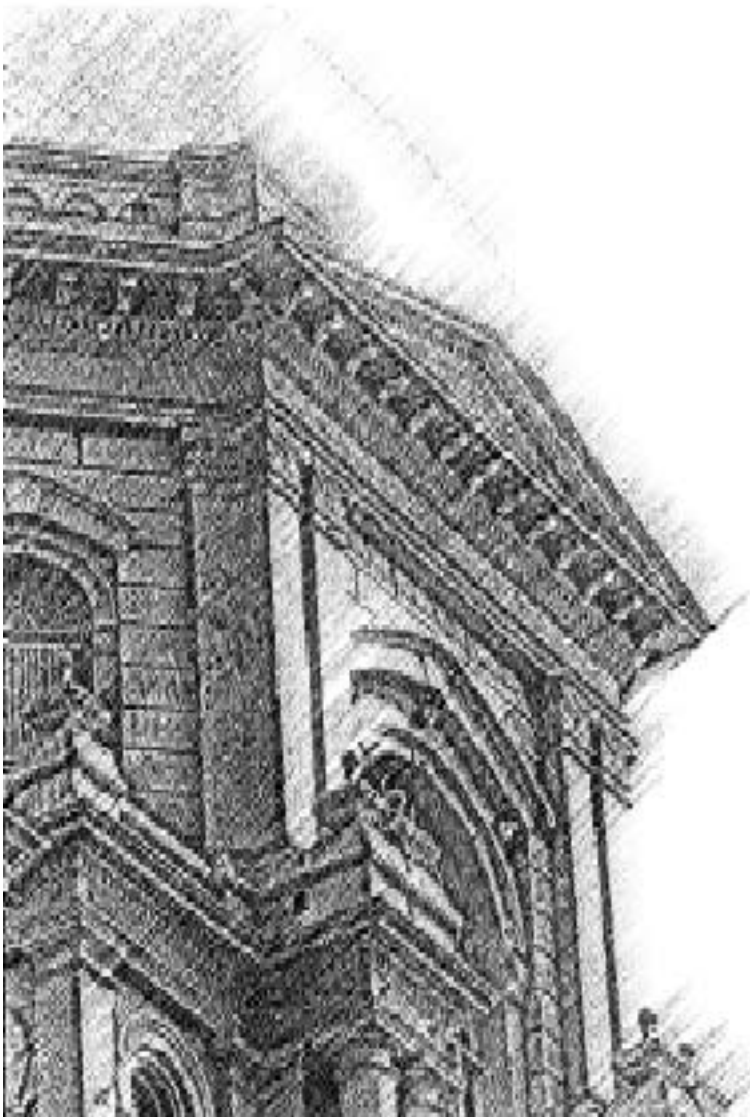
- 197 Publications

Documentation

- 198 Minutes of the 311th Graduate
Council Meeting—September 26,
2007

Research

- 203 November 2007



JANUARY 18, 2008

NUMBER 5

Faculty Notes

Honors

J. Douglas Archer, librarian, has been named chair of the American Library Association's Intellectual Freedom Committee for a one-year term beginning July 2008.

Rev. David C. Burrell, C.S.C., the Hesburgh Professor Emeritus of Theology and Philosophy, was awarded the Aquinas Medal by the American Catholic Philosophical Association.

Leonid Faybusovich, professor of mathematics, has been appointed to serve on the editorial board of the *Open Operations Research Journal*.

Agustín Fuentes, associate professor of anthropology and fellow of the Center for Social Concerns and the Institute for Latino Studies, was named an associate editor for *American Anthropologist*, the flagship journal of the American Anthropological Association.

Rev. Gustavo Gutiérrez, O.P., the John Cardinal O'Hara Chair in Theology, was awarded the 2008 Sophia Award for his significant contributions to ministry through his writings and insights.

Hannelore Weber, associate professional specialist in German, received the 2007 Indiana Collegiate German Teacher of the Year Award from the American Association of Teachers of German, Indiana, and was elected president of the Indiana Chapter of the American Association of Teachers of German.

Activities

Ani Aprahamian, professor of physics, presented "Introduction to Nuclear Astrophysics I, II, III," invited talks, at the RIA Summer School, Michigan State Univ., East Lansing, Aug. 11–15, 2007; "Nuclear Structure Aspects in Nuclear Astrophysics," a seminar, for the Physics Dept., Univ. of Maryland, College Park, on Oct. 17; and "Nuclear Masses and What They Imply for Neutron-Rich Nuclei," an invited talk, at

the "Fourth International Conference on Fission and Properties of Neutron-Rich Nuclei," Sanibel Island, Fla., on Nov. 16.

J. Douglas Archer, librarian, presented "Law for Indiana Librarians: Meeting Rooms, Exhibits and Literature Distribution" and copresented "Law for Indiana Librarians: External and Internal Challenges" with E. Huffman at the Indiana Library Federation annual conference, Indianapolis, on Nov. 14, 2007, where he also participated as a panelist in the "You Put What on MySpace?! Changing Views of Privacy and Confidentiality" session with D. Caldwell-Stone, and C. Charles on Nov. 15.

Matthew Ashley, associate professor of theology, presented "Telling the Universe Story/ies: Some Hermeneutical Reflections" for the "Epic of Creation" series sponsored by the Zygon Center for Religion and Science, on Oct. 22, 2007.

David E. Aune, professor of theology, presented two papers at the annual meeting of the Society of Biblical Literature in San Diego, Nov. 16–20, 2007: "Major Issues in Writing a Commentary on the Testament of Solomon" at the "Pseudepigrapha Group," and "Critique of Lynn Huber, *Like a Bride Adorned: Reading Metaphor in John's Apocalypse*" at the "Rhetoric and the New Testament" group.

Joseph Bauer, professor of law, was an invited commentator at the American Antitrust Institute Symposium on "The Future of Private Antitrust Enforcement," Washington D.C., on Dec. 10, 2007.

Joseph Blenkinsopp, the O'Brien Professor Emeritus of Old Testament Studies, presented "James Barr on Biblical Chronology" at the annual meeting of the Society of Biblical Literature, San Diego, on Nov. 19, 2007.

Paul Bradshaw, professor of theology, presented "Jewish Influence on Early Christian Liturgy: A Reappraisal" at the "Symposium Vindobonense 2007: Liturgies in East and West" at the Univ. of Vienna, Austria, on Nov. 18, 2007.

Joan F. Brennecke, professor of chemical and biomolecular engineering, presented "Influence of Water on Diffusion in Ionic Liquids: Pulsed Field Gradient NMR Study" with A.R. Menjoge, **JaNeille K. Dixon** (postdoctoral research associate in chemical and biomolecular engineering), **Edward J. Maginn** (professor of chemical and biomolecular engineering), and S. Vasenkov at the AIChE annual meeting in Salt Lake City, Utah, in November.

Philippe Collon, professor of physics, presented "MANTIS, in Gas-Filled Mode—AMS for Nuclear Astrophysics at Notre Dame" at the 2007 annual meeting of the Division of Nuclear Physics of NSF, Newport News, Va., Oct. 10–13, 2007; "Measurement of ^{36}Cl Production Cross Section in X-Wind Irradiation Models, AMS for Astrophysics," an invited talk, at the "Ninth Torino Workshop on Evolution and Nucleosynthesis in AGB Stars" and "Second Perugia Workshop in Nuclear Astrophysics," Perugia, Italy, Oct. 22–26; and "Accelerator Mass Spectrometry: From Archeology to Nuclear Astrophysics," a seminar, at the Physics Dept. of the Univ. of Richmond, Va., on Nov. 9.

Rev. Brian E. Daley, S.J., the Huisiking Professor of Theology, presented "Filioque" as a Church-Dividing Issue?" at the Orthodox-Catholic Dialogue for North America, Loyola Marymount Univ. in Los Angeles, Oct. 25–27, 2007; served as chaplain for the annual conference of Luce Theological Fellows in Pittsburgh, Nov. 2–4; and presented "Just the Ideas, Please: Philosophy, History, and Language about God in Priestly Formation" on Nov. 9 to the "Priestly Formation Group" of the American Catholic Philosophical Association, in its annual meeting in Milwaukee.

Antonio Delgado, assistant professor of physics, presented "Dynamical μ Term in Gauge Mediation," a seminar, at the Univ. of Chicago-Enrico Fermi Institute, on Oct. 19, 2007; "Blackboard, White Chalk and Unparticles," a seminar, and "The Physics Behind LHC," a colloquium, at the Univ. of Wisconsin, Milwaukee, on Oct. 26; and "Dynamical μ Term in Gauge Mediation," a seminar, at Michigan State Univ., East Lansing, on Nov. 13.

Julia Douthwaite, professor of French and assistant provost of international studies, presented “Experimentation in the Revolutionary Age” at the annual meeting of the Modern Language Association in Chicago on Dec. 27, 2007; and an invited lecture, “*C’est pour quand la révolution?* Why Gender Studies is a Crucial yet Unwelcome Component of 18th-Century Studies in France,” at the Univ. of Illinois Chicago on Nov. 30.

Rev. Michael P. Driscoll, the Tisch Family Professor of Theology, presented “Benedict XVI and the Latin Mass” at Chico State Univ. of California on Dec. 6, 2007; and “Music as Mystagogy: Catechizing Through the Sacred Arts” at the St. Thomas Aquinas Newman Center, Chico, Calif., on Dec. 8.

Keith J. Egan, adjunct professor of theology, lectured on “Mother Teresa’s Dark Night,” at the symposium on “The Dark Letters of Mother Teresa,” Lumen Christi Institute, Univ. of Chicago, on Nov. 14, 2007; conducted a workshop on “John of the Cross’ Symphony of Love” at the Cornerstone Center, Phoenix, Nov. 30–Dec. 2; and lectured on “Edith Stein’s Legacy” in the “Fall Lecture Series,” the Cornerstone, Center, Phoenix, on Dec. 3.

Umesh Garg, professor of physics, presented “GMR and K_1 ,” an invited talk, at the “ECT Workshop on Exotic Modes of Excitation From Nuclear Structure to Astrophysics,” Trento, Italy, Oct. 8–12, 2007; and “TPC Applications to Compressional-Mode Giant Resonances” at the TPC Workshop, National Superconducting Cyclotron Laboratory, East Lansing, Mich., Dec. 6–7.

Holly Goodson, associate professor of chemistry and biochemistry, presented the invited talk “Biological Insights from Computational Modeling of Microtubule Dynamic Instability” at the American Society for Cell Biology meeting in Washington, D.C., on Dec. 3, 2007.

Rev. Gustavo Gutiérrez, O.P., the John Cardinal O’Hara Chair in Theology, presented “*El Seguimiento de Jesús y La Opción Preferencial de los Pobres* (The Following of Jesus and the Option for the Poor)” at the Encuentro Latinoamericano del Movimiento Internacional de Intelectuales Católicos (MIIC) de Pax Romana—Montevideo, Buenos Aires, Oct. 17–23,

2007; “Archbishop Romero: A Witness of Faith” at the MacMillan Center, Yale, on Nov. 8; and delivered the keynote address “Poverty and God-Talk” at the Washington Theological Union, Washington, D.C., on Nov. 17.

Mary Catherine Hilkert, O.P., professor of theology, presented a response to the plenary address “At the Frontiers of the Holy Preaching: A Response to Daniel Cadrin” at the Dominican Leadership Conference annual meeting, Louisville, Ky., on Oct. 14, 2007.

Bei Hu, professor of mathematics, presented the talk “PDE Tumor Models” at the “Conference on Integrating Differential Equations with Mathematical Biology,” Ohio State Univ., Columbus, on Nov 17, 2007.

Maxwell E. Johnson, professor of theology, presented the invited lecture “Baptism and Chrismation in Third- and Fourth-Century Egypt” at the international theological conference of the Russian Orthodox Church “Orthodox Teaching on the Sacraments of the Church” at the Danilovsky Monastery and Conference Center, Moscow, Nov. 13–16, 2007; and was an invited panelist (the only non-Orthodox participant) at the Moscow Spiritual Academy, Trinity Sergiev Monastery, Sergiev Posad, Russia, on Nov. 17.

Prashant V. Kamat, professor of chemistry and biochemistry, senior scientist in the Radiation Lab and concurrent professor of chemical and biomolecular engineering, presented a chemistry department colloquium titled “Nanostucture Architecture for Light Energy Conversion” at the Univ. of Toronto, Canada, on Nov. 16, 2007.

Jay A. LaVerne, professional specialist in the Radiation Laboratory, presented “H Atom Production in the Radiolysis of Water” written with **Simon M. Pimblott**, visiting scholar in the Radiation Laboratory, and chaired a session at the “ASR-2007 International Symposium on Radiation Chemistry,” Tokai, Japan, Nov. 6–9, 2007.

Edward J. Maginn, professor of chemical and biomolecular engineering, presented “Development and Use of Atomistic Simulation Methods to Understand Structure-Property Relationships for Ionic Liquids” for the Dept. of Chemical

Engineering colloquium, Rice Univ., on Oct. 18, 2007. He also presented the following at the AIChE annual meeting in Salt Lake City, Utah, in November: “Computing the Melting Point of Ionic Liquids from Atomistic Simulations” with **Saivenkataraman Jayaraman** (postdoctoral research associate in chemical and biomolecular engineering); “Continuous Fractional Component Monte Carlo: The General Biased Slow-Growth Method for Phase Equilibrium Simulations” with W. Shi; and “Ionic Liquids as Absorption Media for Mixed Gas Capture” with **Jessica L. Anderson** (doctoral research associate in chemical and biomolecular engineering), **JaNeille K. Dixon** (postdoctoral research associate in chemical and biomolecular engineering), W. Shi, K.E. Wilbanks, and **Joan F. Brennecke** (professor of chemical and biomolecular engineering) at the AIChE annual meeting in Salt Lake City, Utah, in November.

Shahriar Mobashery, professor of chemistry and biochemistry, presented the invited lecture “Antibiotic Resistance in the Methicillin-Resistant *Staphylococcus aureus*” at the Pasteur Institute, Paris, on Dec. 4, 2007.

Gabriel S. Reynolds, assistant professor of Islamic studies and theology, presented “Reading the Quran in Light of a Jewish-Christian-Islamic Tradition” on Nov. 4, 2007 at Henry Luce III Theology Fellows conference in Pittsburgh; and “The Male is Unlike the Female: On the Quranic Narrative of Mary’s Birth” on Nov. 19 at a meeting of the Middle East Studies Association in Montreal.

Karen Richman, director of Migration and Border Studies in the Institute for Latino Studies, presented “The Somatics of Syncretism in Haitian Religion: Tying Body and Soul” with T. Rey at a meeting of the American Anthropological Association, Washington, D.C., on Dec. 1, 2007; was a discussant on “The Role of the Catholic Churches in the Chicago Immigrant Mobilization” by S. Davis, J. Martinez, and S. Warner, at a meeting of the Chicago Area Group for the Study of Religious Communities, Loyola Univ., Chicago, on Nov. 24; and was a guest lecturer at the Graduate School of Univ. of Guadalajara Program in International Economic Relations, Oct. 25–26.

Deborah L. Rotman, director of undergraduate studies in anthropology, organized “First Rites: Innovative Undergraduate Research in Anthropology” and “Emerging Scholars: Innovative Graduate Student Research in Anthropology” with **Agustín Fuentes**, associate professor of anthropology and Fellow of the Center for Social Concerns and the Institute for Latino Studies, presented at the annual meeting of the American Anthropological Association, Washington, D.C., Nov. 28–Dec. 2; and presented the invited paper “Engaged Archaeologies: Pedagogies for Student Participation in Historical Archaeological Research” with M. Nassaney, and “Nineteenth-Century Immigration to South Bend, Indiana: Historical Archaeology of the Irish Diaspora in the Midwest,” an invited paper, in the symposium “Filling the Black Hole: Current Research in Indiana” at the Midwest Historical Archaeology conference, Chicago, Nov. 2–4.

Anthony S. Serianni, professor of chemistry and biochemistry, presented the invited talk “Oxygen Lone Pairs and Functional J-Couplings on Structural Glycobiology” at the National Institutes of Health, Bethesda, Md., on Dec. 7, 2007.

Thomas L. Shaffer, the Short Professor Emeritus of Law, made presentations at Little Flower Catholic Church, the Robinson Community Learning Center, and the Forever Learning Institute on estate planning and healthcare issues; and made three presentations in the legal ethics program “Legal Ethics in Indiana: Critical Issues on the Agenda” on Nov. 7, 2007 in South Bend.

Donald E. Sporleder, professor of architecture emeritus, chaired the winter meeting of the Trails Advisory Board, Indiana Department of Natural Resources, in Indianapolis on Dec. 6, 2007; and was appointed a member of the Plan Advisory Committee for the updating of the Indiana State Comprehensive Outdoor Recreation Plan, SCORP, 2011–15.

Julia Adeney Thomas, associate professor of history, presented “Photography and Postwar Japan’s Fugitive Reality” to the Visual Studies Group at Carleton Univ., Ottawa, Canada, on Nov. 15, 2007.

Eugene C. Ulrich, the O’Brien Professor of Theology, presented “Isaiah for

the Hellenistic World: The Old Greek Translator of Isaiah” at the Dead Sea Scrolls symposium sponsored by the Canadian Bible Society and Trinity Western Univ. in Langley, British Columbia, on Oct. 12, 2007.

James C. Vanderkam, the O’Brien Professor of Theology, presented “The Community of the Dead Sea Scrolls and the Earliest Christian Church” at the San Diego Museum of Natural History, Nov. 5, 2007; “In Those Days” in the Qumran Section at the annual meeting of the Society of Biblical Literature, San Diego, Nov. 18; and “Literary Questions between Ezra, Nehemiah, and 1 Esdras,” in the “First Esdras Consultation” at the annual meeting of the Society of Biblical Literature, San Diego, Nov. 19.

Oliver F. Williams, C.S.C., director of the Center for Ethics and Religious Values in Business, and Fellow of the Kroc Institute, chaired and presented “Sustainability in African Business” at the conference on “Increasing Business Between Africa and India,” Univ. of Cape Town, on Sept. 21, 2007; facilitated and presented a colloquium for the South Africa Business School Association on “Principles for Responsible Business Education and the United Nations Global Compact,” Univ. of Cape Town, on Oct. 22; was an invited participant at a seminar on “The State of the Nation of South Africa” in the Western Cape, Catholic Parliamentary Office, on Oct. 24; presented “Escaping the Poverty Trap in Africa” to the faculty of the Univ. of Kwa-Zulu Natal, the Unilever Ethics Center, Pietermaritzburg, South Africa, on Oct. 29; presented “Restoring Public Trust in Business: The Crucial Role of Corporate Governance” to the Pietermaritzburg Chamber of Business and the South Africa Institute of International Affairs on Oct. 30; presented “The UN Millennium Village Project: A Hand Up Not A Hand Out” at St. Augustine College, Johannesburg, on Nov. 6, and gave the commencement address at St. Augustine College on Nov. 9.

Samir Younés, the Rooney Director of Rome Studies, presented “Proposal for the Waterfront of Pantelleria, Sicily” at the Council for European Urbanism conference in Lisbon, Portugal on Dec. 7, 2007.

Randall C. Zachman, associate professor of theology, presented “Calvin’s Commentary

on Genesis” in the session “John Calvin and the Bible” at the Society of Biblical Literature conference in San Diego, on Nov. 19, 2007.

Publications

Ani Aprahamian, professor of physics, published “Measurement of Conversion Electrons with the $^{208}\text{Pb}(p,n)^{208}\text{Bi}$ Reaction and Derivation of the Shell Model Proton Neutron Hole Interaction from the Properties of ^{208}Bi ” with K.H. Maier et al., *Phys. Rev. C* 76 (2007): 064304 (24 pages).

J. Douglas Archer, librarian, contributed “The Purge that Wasn’t” to *Focus on Indiana Libraries* 61, No. 11 (2007): 10.

Matthew Ashley, associate professor of theology, edited, introduced, and provided a study guide for J.B. Metz, *Faith in History and Society: Towards a Practical Fundamental Theology*, new translation (New York: Crossroad Press, 2007).

David E. Aune, professor of theology, published “The Spirit is Willing, but the Flesh is Weak (Mark 14:38b and Matt. 26:41b)” in *Reading Religions in the Ancient World: Essays Presented to Robert McQueen Grant on his 90th Birthday*, edited by Aune and **Robin Darling Young**, associate professor of theology (Leiden: Brill, 2007):125–39.

David Bartels, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, published “Albumin-Bound Quercetin Repairs Vitamin E Oxidized by Apolipoprotein Radicals in Native HDL3 and LDL” with P. Filipe, L.K. Patterson, **Gordon L. Hug**, (associate professional specialist in the Radiation Laboratory); J.P. Freitas; and **Jean-Claude Mazière, René Santus, Patrice Morlière** (staff members in the Radiation Laboratory) in *Biochemistry* 46, No. 49 (2007): 14305–15.

Joseph Bauer, professor of law, published “Antitrust Implications of Aftermarkets,” *Antitrust Bulletin* 52 (2007): 31–51; and “Addressing the Incoherency of the Preemption Provision of the Copyright Act of 1976,” *Vanderbilt J. of Entertainment & Technology L.* 10 (December). He and J. Lopatka and W. Page published *Annual Supplements to Vol. I of Kintner’s Federal Antitrust Law Treatise* (October): 72 pages; *Annual Supplements to Vol. II of Kintner’s Federal Antitrust Law Treatise* (October): 204 pages; *Annual Supplements to Vol. III*

of *Kintner's Federal Antitrust Law Treatise* (October): 98 pages; *Annual Supplements to Vol. IV of Kintner's Federal Antitrust Law Treatise* (October): 94 pages; *Annual Supplements to Vol. V of Kintner's Federal Antitrust Law Treatise* (October): 44 pages; *Annual Supplements to Vol. VI of Kintner's Federal Antitrust Law Treatise* (October): 108 pages; *Annual Supplements to Vol. VII of Kintner's Federal Antitrust Law Treatise* (October): 56 pages; *Annual Supplements to Vol. VIII of Kintner's Federal Antitrust Law Treatise* (October): 44 pages; *Annual Supplements to Vol. IX of Kintner's Federal Antitrust Law Treatise* (October): 78 pages; *Annual Supplements to Vol. X of Kintner's Federal Antitrust Law Treatise* (October): 109 pages; and *Annual Supplements to Vol. XI of Kintner's Federal Antitrust Law Treatise* (October): 110 pages.

Joseph Blenkinsopp, the O'Brien Professor Emeritus of Old Testament Studies, published "The Development of Jewish Sectarianism from Nehemiah to the Hasidim" in O Lipschits et al., ed., *Judah and the Judeans in the Fourth Century B.C.E.* (Winona Lake, Ind.: Eisenbrauns, 2007): 385–404; and "Post-Mortem Existence in the Old Testament" in M. Labahn and M. Lang, ed., *Lebendige Hoffnung - Ewiger Tod?* (Leipzig, 2007): 33–51.

Kevin J. Christiano, associate professor of sociology, contributed "Assessing Modernities: From 'Pre-' to 'Post-' to 'Ultra-'" to J.A. Beckford and N.J. Demerath III (eds.), *The Sage Handbook of the Sociology of Religion* (London and Thousand Oaks, Calif.: Sage Publications, 2007): 39–56.

Philippe Collon, assistant professor of physics, published "Technological Development for Half-life Measurement of ^{146}Sm Nuclide" with **Christopher Schmitt**, staff member in physics, **Xia Dong Tang**, assistant professor of physics, et al., *Journal of Nuclear and Radiochemical Sciences*. 8, No. 2 (2007): 109–12.

Lawrence S. Cunningham, the O'Brien Professor of Theology, published "Religion Book Notes," *Commonweal* cxxxiv (Sept. 28): 30–35; and "The Man Who Became Benedict," *Notre Dame Magazine* (Autumn): 40–44.

Keith J. Egan, adjunct professor of theology, reviewed *The Heirs of St. Teresa of Avila in Spiritus* 7 (Fall): 231–3; and published a column on "Mother Teresa's Journey into Darkness" for the Catholic News Service, in November.

Agustín Fuentes, associate professor of anthropology and fellow of the Center for Social Concerns and the Institute for Latino Studies, published "Morphology and Somatometric Growth of Long-Tailed Macaques (*Macaca fascicularis fascicularis*)" with M.A. Schillacci et al., *Singapore Biological Journal of the Linnean Society* 92, No. 4 (2007): 675–94; "A Qualitative Assessment of Macaque Tourist Sites in Padangtegal, Bali, Indonesia, and the Upper Rock Nature Reserve, Gibraltar" with E. Shaw and J. Cortes, *International Journal of Primatology* 28 (2007): 1143–58; "Pediculosis in *Macaca sylvanus* of Gibraltar" with L.C. Douglas et al., *Veterinary Parasitology* 145 (2007): 116–19; the book chapter "Monkey and Human Interconnections: the Wild, the Captive, and the In-Between" in R. Cassidy and M. Mullin eds. *Where the Wild Things are Now: Domestication Reconsidered* (Berg Publishers, Oxford, UK: 2007): 123–45; and "Innovative Undergraduate Research: The Importance of the Novitiate in Anthropology," with **Deborah L. Rotman**, director of undergraduate studies in anthropology, in *Anthropology News* 48, No. 8 (2007): 20.

Umesh Garg, professor of physics, published "From Chiral Vibration to Static Chirality in ^{135}Nd " with S. Mukhopadhyay, **Daniel Almeded** (research associate in physics), **Stefan G. Frauendorf** (professor of physics), Tao Li (graduate research assistant in physics), et al., *Phys. Rev. Lett.* 99 (2007): 172501; "High-Spin Structure and Band Termination in ^{103}Cd " with A. Chakraborty, Krishichayan, **Somsundar Mukhopadhyay** (research visitor in physics), S. Ray, S.N. Chintalapudi, S.S. Ghugre, N.S. Pattabiraman, A.K. Sinha, S. Sarkar, S. Zhu, and M. Saha Sarkar, *Phys. Rev. C* 76 (2007): 044327; and "Direct Neutron Decay of the Isoscalar Giant Dipole Resonance" with M. Hunyadi et al., *Physics of Atomic Nuclei* 70, No. 8 (2007): 1407–14.

Bei Hu, professor of mathematics, published "Bifurcation for a Free Boundary Problem Modeling Tumor Growth by

Stokes Equation" with A. Friedman, *SIAM Journal on Mathematical Analysis* 39, No. 1 (2007): 174–94; "On the Rate of Convergence of the Binomial Tree Scheme for American Options" with J. Liang, L. Jiang, and B. Bian, *Numerische Mathematik* 107, No. 2 (2007): 333–52; "Uniform Convergence for approximate Traveling Waves in Linear Reaction-Hyperbolic Systems" with A. Friedman, *Indiana University Mathematics Journal* 56, No. 5 (2007): 2133–58; and "Uniform Convergence for Approximate Traveling Waves in Linear Reaction-Diffusion-Hyperbolic Systems" with A. Friedman, *Archive for Rational Mechanics and Analysis* 186, No. 2 (2007): 251–74.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, published "Benzophenone-Phenylthioacetic Acid Tetraalkylammonium Salts as Effective Initiators of Free-Radical Photopolymerization of Vinyl Monomers, Mechanistic Studies" with J. Bartoszewicz et al., *Macromolecules* 40, No. 24 (2007): 8642–8.

Thomas Jemielity, professor emeritus, Nanovic Institute, published "'Dirty, Lousy Writing': The New TV Season" for farce.cynicmag.com. 9, No. 10 (November) at farce.cynicmag.com/default.asp?articleid=1983&issueid=58.

David C. Leege, emeritus professor of political science, published "From Event to Theory: A Summary Analysis" in D.E. Campbell ed. *A Matter of Faith: Religion in the 2004 Presidential Election* (Brookings Institution Press:2007): 259–4; and, with K.D. Wald, "Meaning, Cultural Symbols, and Campaign Strategies" in W.R. Neuman et al. eds. *The Affect Effect: Dynamics of Emotion in Political Thinking and Behavior* (Univ. of Chicago Press 2007): 291–315.

Edward J. Maginn, professor of chemical and biomolecular engineering, published "Computing the Melting Point and Thermodynamic Stability of the Orthorhombic and Monoclinic Polymorphs of the Ionic Liquid 1-n-Butyl-3-methylimidazolium Chloride" with **Saivenkataraman Jayaraman**, graduate research assistant in chemical and biomolecular engineering, *Journal of Chemical Physics* 127 (2007): 214504.

Rev. John P. Meier, the Warren Foundation Professor of Catholic Theology, published "Did the Historical Jesus Prohibit All Oaths? (Part I)," *Journal for the Study of the Historical Jesus* 5 (2007): 175–204.

Juan Migliore, professor of mathematics, published "Minimal Homogeneous Liaison and Licci Ideals" with C. Huneke, U. Nagel, and B. Ulrich in *Algebra, Geometry and their Interactions, Contemporary Math.* 448 (2007).

Nathan D. Mitchell, professional specialist in theology, published "Summorum Pontificum," *Worship* 81, No. 6 (November): 549–65; and "Silencing Language," *ibid.*, No. 5 (September): 448–60.

Bruce C. Noll, research associate professor of chemistry and biochemistry, republished "Synthesis of Urea Picket Porphyrins and Their Use in the Elucidation of the Role Buried Solvent Plays in the Selectivity and Stoichiometry of Anion Binding Receptors" with coauthors **W. Robert Scheidt**, professor of chemistry and biochemistry, et al., *Journal of Organic Chemistry* 72 (2007): 9081–87.

Thomas J. Prügl, the Tisch Family Associate Professor of Theology, published "Zwischen Kontinuität und Innovation: die Theologie im 14. und 15. Jahrhundert" in *What is 'Theology' in the Middle Ages? Religious Cultures of Europe (11th–15th Centuries) as reflected in their Self-Understanding*, ed. M. Olszewski (Münster: Aschendorff 2007): 247–51; "Medieval Biblical 'Principia' as Reflections on the Nature of Theology," *ibid.*: 253–75; and a review of S. Sudmann, *Das Basler Konzil. Synodale Praxis zwischen Routine und Revolution* in *sehpunkte* 7, No. 9 (2007): sehpunkte.de/2007/09/9397.html.

Gabriel S. Reynolds, assistant professor of Islamic studies and theology, edited and introduced *The Qur'an in Its Historical Context* (London: Routledge, 2008); and published a review of Y. Nevo and J. Koren, *Crossroads to Islam* in the *Journal of the American Oriental Society* 125 (2006): 9–13.

Karen Richman, director of Migration and Border Studies in the Institute for Latino Studies, published "Simplemente Maria: Naming Workers, Placing People and the Production of Hospitality" in *Review of International American Studies: Special*

Volume on The Significance of Modernity in the Americas 2, No. 2 (2007): 38–49; "Peasants, Migrants and the Discovery of the Authentic Africa" in *Journal of Religion in Africa* 37, No. 3 (2007): 1–27; and the chapter "Chante Pwen sou Kasèt" in *Mozayik*, R. Savain and D. Woodson, eds. (Infinity Press, 2007): 89–102.

Deborah L. Rotman, director of undergraduate studies in anthropology, published "Mr. and Mrs. Potato Head" and Critical Analyses of Gender," *Strategies in Teaching Anthropology*, Fifth Edition, ed. P. Rice and D. McCurdy (Englewood, N.J.: Prentice Hall, 2007); "Current Research: The Irish Diaspora in the Midwest," *SHA Newsletter* 40, No. 3 (2007): 70–71; "Analyses of Glass from New Harmony: A Preliminary Assessment and Avenues for Future Research," ms. on file with the Dept. of Historical Archaeology, Indiana State Museum, Indianapolis; and, with L. Plis and L. Long, "Oral History and Archival Research: A Summary Report for the Summer 2007 Field Season in Clifden and Dublin, Ireland," ms. on file with the Dept. of Anthropology, Univ. of Notre Dame.

W. Robert Scheidt, the Warren Professor of Chemistry and Biochemistry, published "N,N'-Bis(2-acetylphenyl)ethanediamide" and "N,N'-Bis(2-acetylphenyl)ethanediamide, a second polymorph" with G.A. Brewer, J.P. Jasinski, and R.J. Butcher, reprinted online in *Acta Crystallographica Section E* (2007): 04887–04889.

Thomas L. Shaffer, the Short Professor Emeritus of Law, published "Trust in Democracy: Anabaptists, Italian Americans, and Solidarity," *Journal of Law and Religion* 21 (2006): 413–425; "Roman Catholic Lawyers in the United States of America," *ibid.*: 305–13; "Anabaptist Law Schools"

in R.F. Cochran Jr., ed. *Faith and the Law* (New York Univ. Press, 2008): 65–76; and, with R.F. Cochran Jr., "'Technical' Defenses: Ethics, Morals, and the Lawyer as Friend," *Clinical Law Review* 14 (2007): 337–53.

J. Kerry Thomas, the Nieuwland Professor Emeritus, published "Fundamental Aspects of the Radiolysis of Solid Polymers, Cross-Linking and Degradation" in *Nuclear Instruments and Methods in Physics Research B* 265 (2007): 1–7.

Julia Adeney Thomas, associate professor of history, published a review of B.L. Walker, *The Lost Wolves of Japan* in *ISIS* 98, No. 3 (2007).

Eugene C. Ulrich, the O'Brien Professor of Theology, published "A Qualitative Assessment of the Textual Profile of 4QSam^a," in *Flores Florentino: Dead Sea Scrolls and Other Early Jewish Studies in Honour of Florentino García Martínez*, ed. A. Hilhorst, É. Puech, and E. Tigchelaar, in *Supplements to the Journal for the Study of Judaism* 122 (Leiden: Brill, 2007): 147–61; "Light from 1QIsa^a on the Translation Technique of the Old Greek Translator of Isaiah" in *Scripture in Transition, Essays on Septuagint, Hebrew Bible, and Dead Sea Scrolls in Honour of Raija Sollamo*, ed. A. Voitila and J. Jokiranta (Leiden: Brill, 2007): 193–204; and, with Martin Abegg et al., *Dead Sea Scrolls Biblical Manuscripts: an electronic, grammatically tagged and searchable version of the entire corpus of biblical Qumran manuscripts in Accordance*, from OakTree Software.

James C. Vanderkam, the O'Brien Professor of Theology, published "Mapping Second Temple Judaism" in *The Early Enoch Literature, Journal for the Study of Judaism Supplements* 121 (2007): 1–20.

Administrators' Notes

Publications

Jay Caponigro, director of the Robinson Community Learning Center, cowrote the chapter titled "Talk it Out! Walk it Out! Wait it Out! Take Ten: An Intercultural

Approach to Creating Safer Schools" in *Perspectives on Violence and Violent Death*, R.G. Stevenson and G.R. Cox (Death, Value and Meaning Series) (Baywood Publishing Company, 2007).

Documentation

Minutes of the 311TH Graduate Council Meeting

University of Notre Dame

September 26, 2007

Members present: Peter Holland (chair), Robert Bernhard, Joseph Marino, James Merz, Mark Roche, Carolyn Woo, Panos Antsaklis, Philip Bess, Laura Carlson, Crislyn D'Souza-Schorey, Peter Garnavich, Angelina Lay, Juan Migliore, Darcia Narvaez, Kathleen Pyne, John Renaud, Scott Van Jacob, Jennifer Younger, Tam Chantem, Rebecca McCumbers

Graduate School representatives present: Terry Akai, Barbara Turpin

Guests present: Thomas Burish, Provost; Don Pope-Davis, Vice President and Associate Provost; Brandon Roach, Executive Assistant to the Provost; Kathryn Lam, Special Assistant to the Associate Provosts

Members absent: Peter Burns, Sandra Gustafson, Christine Maziar, Patricia O'Hara, John Welle, Bill Westfall

Reporter: Mary Hendriksen

Prof. Pope-Davis, now Vice President and Associate Provost but formerly Dean of the Graduate School, opened the meeting at 3:35 p.m. After Prof. Roche offered a prayer, Prof. Pope-Davis turned the meeting over to Prof. Holland, who was appointed acting dean of the Graduate School in August of 2007.

1. Election of search committee for the Dean of the Graduate School:

With the first order of business the election of the search committee for the new dean of the Graduate School, Prof. Holland invited Prof. Burish, Provost of the University, to outline the role of the search committee and the qualifications of its members.

Prof. Burish observed first that Council members are present today at an historic occasion. On August 1, 2007, Notre Dame's Graduate School was split into two

divisions: the Graduate School, with oversight of graduate studies, and the Office of Research, with oversight of the research enterprise of the University. For the many years that the divisions were together as one entity, they were within the portfolio of one person: the University's Vice President for Research and Dean of the Graduate School. Now that they operate as distinct entities, the members of the search committee will be responsible for selecting the first dean of the Graduate School, the person who will be the chief architect of the effort now underway to take graduate studies to the next level.

Prof. Burish said that the position of "Dean of the Graduate School" does not yet exist in the *Academic Articles*, which the Academic Council is in the process of revising; thus, he suggested that the procedures specified in the *Articles* for selection of college deans be used in this instance, albeit adapted to the particulars of this search. That procedure would call for the Graduate Council to elect five members of the University's tenured faculty to a search committee. Only elected members of the Council would be eligible to vote; observers and faculty present today representing an elected member may not vote. The Provost chairs the search committee and, "in order to ensure that [it represents] a broad range of views and perspectives," has the prerogative of appointing to it up to two additional members of the faculty. The Council elects one student to the search committee as well. After its work is completed, the search committee gives its recommendation for the dean to the provost. He, in turn, makes a recommendation to the president, who has ultimate decision-making authority for the position. [See Article II, Sec. 4]

As for the qualifications of the new dean, Prof. Burish reiterated that the new dean must, of course, embrace the effort now underway to take graduate studies at Notre Dame to a higher level. The Graduate

School dean does not oversee faculty directly; thus, he or she must be ambitious for the Graduate School but able to work collaboratively with others. His or her collaborators will be other deans, the University's faculty, and the directors of graduate studies. A key collaborator will be Prof. Robert Bernhard, who began at Notre Dame this summer as vice president for research.

Also, Prof. Burish noted, the new dean must put his or her own agenda, including research, to the side. Again, the ambitions of this person must be for the Graduate School itself. While it is not impossible for the dean to engage in research, it cannot be his or her primary endeavor. Rather, the dean's primary role is to advance graduate studies at Notre Dame.

Finally, Prof. Burish emphasized that the new dean must give wholehearted support to the three-part vision President Jenkins has articulated so clearly for the University: that Notre Dame be recognized as a preeminent research university, while maintaining both its distinctive Catholic character and its unsurpassed commitment to undergraduate education. Candidates for dean need not be Catholic, but they must embrace and advance Notre Dame's Catholic mission.

As for the qualifications of members of the search committee, Prof. Burish explained that they should represent the breadth of thinking and intellectual approaches of Notre Dame's graduate programs. An ideal composition of the membership would be at least one person from engineering, the sciences, the social sciences, and the arts and humanities. (For purposes of the search committee, Prof. Burish noted, he is combining architecture with engineering.) While these general areas should be represented in the committee's membership, search committee members must put their own disciplines aside and focus on the candidates. Prof. Burish reminded Council members that the primary role of the search committee is to *recruit* the best candidates for the position, not merely to evaluate a slate of candidates who themselves demonstrate an interest in the position. Most likely, he said, the University will hire a consultant to help with the search process; still, there must be exciting, stellar people present in the pool. Identifying those

people is the job of the search committee, a job they fulfill by “selling” Notre Dame to potential candidates.

Prof. Holland then explained the procedures to be used at today’s meeting for election of the search committee. [See Appendix A] The two-stage process they set forth is based on the Academic Council’s procedures for electing its executive committee. It is intended to produce a diverse committee with a wide representation of disciplines. Prof. Holland suggested that, as a safeguard, the Council elect two alternates to the committee. Then, if one or more faculty members elected to the committee cannot serve, the Council need not reconvene. He said that Brandon Roach, executive assistant to the Provost, will act as voting supervisor.

Members reviewed both the procedures for election of the search committee and a packet containing short profiles of the 18 faculty members nominated in advance of the meeting. Then, in multiple stages, the Council elected one student, five faculty members, and two alternates to the search committee for the dean of the Graduate School:

Student:

Michael Lundin (Chemical Engineering),
GSU president for the 2006–07
academic year

Faculty members:

Laura Carlson (Psychology)
Marya Lieberman (Chemistry and
Biochemistry)
James McAdams (Political Science)
John Renaud (Aerospace and Mechanical
Engineering)
Julia Douthwaite (Romance Languages
and Literatures).

Alternates:

Brad Gregory (History)
Sunny Boyd (Biological Sciences)

[Editor’s note: Prof. Burish later appointed Profs. Brad Gregory (History) and Sharon Hu (Computer Science and Engineering) to the search committee.]

2. Approval of the minutes of the Graduate Council meeting of April 11, 2007:

Prof. Holland called for approval of the minutes of the Graduate Council meeting of April 11, 2007. They were approved unanimously, with no amendments.

3. Election of the executive committee of the Graduate Council:

Prof. Holland presented a proposal for an executive committee for the Graduate Council. [Appendix B] He explained that, while the Council has operated with an executive committee for the last two years, the composition of the committee set forth in this proposal reflects the new administrative structure of the Graduate School.

After Prof. Holland identified Prof. Antsaklis as the Graduate Council’s liaison to the Academic Council, members elected the following three faculty members and one student to the executive committee: Laura Carlson (Psychology), Joseph Marino (Dean of the College of Science), John Renaud (Aerospace and Mechanical Engineering), and Tam Chantem (Computer Science and Engineering; co-vice president of the GSU).

4. Bulletin revisions remanded at the April 2007 meeting:

At the last meeting of the Graduate Council, two subcommittees proposed several revisions to the Graduate School’s *Bulletin*. While Council members approved several revisions outright, two of the revisions were approved in principle but remanded for further clarification. The revised versions of these provisions were presented on September 26th for a vote.

(a) Registration and Courses/Grades

Occasionally, a student takes an “incomplete” for a course grade and then has one semester to complete the work for that course. Currently, an incomplete grade for a course in which the work is never completed is factored into a student’s grade point average as if it were an *F*, but an *I* rather than an *F* remains on the transcript. The *Bulletin* revision committee recommended that while exceptions can always be made for special circumstances, as a matter of policy, an *F* should appear on a student’s transcript in such instances rather than an *I*.

At the meeting of September 26, Dr. Turpin proposed new language for the provision in question. After Prof. Narvaez proposed an amendment clarifying the time faculty are given to submit a grade change, members gave their unanimous approval to the following provision:

The University temporarily computes this grade as the equivalent of an F in calculating the G.P.A. When the student fulfills the above requirements, the I is replaced by the new grade. Faculty will be given 30 days from the last day of classes of the following semester to turn in the grade change form to the Graduate School. Should the student not complete the course work as required, the I will convert to an F on the transcript.

(b) Requirements for the Doctor of Philosophy Degree/Candidacy Examination

Also at the April 2007 meeting, the oral examination subcommittee headed by Prof. Garg proposed including language in the *Bulletin* clarifying the consequences of a student failing to gain approval of his or her dissertation topic and passing the candidacy examination within eight semesters of enrollment. While Dr. Turpin stated then that the eight-semester time frame involves *funding* and not student *status* and that in some instances—for example, sickness, other disability, loss of research data—she can give a student an extension of the deadline, this provision was remanded as well for more precise crafting of the language.

Dr. Turpin explained at the meeting of September 26th that inserting the word “normally” into the provision would provide her with the necessary flexibility to respond to a variety of extenuating circumstances. Council members then approved the following provision:

Normally, the candidacy examination is passed, and the dissertation topic approved, by no later than the student’s eighth semester of enrollment. Failure to meet this deadline may lead to discontinuation of Graduate School funding.

(c) Items for information:

Dr. Turpin also discussed three attachments distributed in advance of the meeting:

Outside chair instructions

Form for Reporting Results of Oral
Candidacy Exams and Dissertation
Defenses

Graduate School Policies and Procedures
Concerning Candidacy And Defense
Exams

Prof. Antsaklis suggested that the Graduate School post these forms on its Web site and inform chairs how to access them. He further suggested that posting the reporting form in PDF format will allow chairs to complete it electronically.

5. Certificate programs:

[At the Graduate Council meeting of April 11, 2007, members were informed that, during the summer months, the Graduate School would investigate the general area of certificate programs both at Notre Dame and at peer institutions.]

Prof. Holland began the discussion by explaining that at least two certificate programs currently exist at the University, with a proposal for a new certificate program waiting in the wings having gained approval by the College Council of Arts and Letters in the spring of 2007; yet no formal mechanism exists at the University for dealing with certificate programs. Moreover, it appears that no body has addressed the question of whether Notre Dame *should* award certificates to students. Thus, he posed the questions: Is it appropriate for certificate programs to exist at Notre Dame? If so, under whose aegis should they operate?

Dr. Turpin explained that the attachment distributed to members in advance of the meeting collected information from a Web sampling of several institutions belonging to the Association of American Universities. The table indicates whether each institution offers certificate programs and, if so, their target audience, approving unit, and administrative unit. As the table demonstrates, Dr. Turpin said, there are many certificate programs in existence at peer institutions. Generally, they fall into one of two categories: *professional* certificates, as in a specific area of expertise of information technology, or *academic* certificates, as in medieval studies or gender studies.

Complementing her Web survey, Dr. Turpin said, is an article in a newsletter published by the Council of Graduate Schools. It reports on survey findings that, nationwide, nearly 20,000 graduate certificates were awarded in the 2003-2004 academic year, with the most prevalent fields of study education (52%), the health sciences (10%), and the social sciences (8%). [See http://www.cgsnet.org/portals/0/pdf/comm_2005_12.pdf] The survey also reports: "More graduate certificates are awarded by Master's-Focused institutions than either Research I or Doctorate-Granting institutions. The large number of education certificates is the main reason for this difference; nearly 70% of certificates awarded by Master's-Focused institutions are in education."

Prof. Roche spoke in favor of recognizing certificate programs at Notre Dame. In addition to the fact that several of Notre Dame's peers award a variety of certificates, he said, there is value to these programs in terms of their breadth and interdisciplinarity. They are an aid in developing not only academics but also intellectuals who have some curiosity about broader questions. He added that certificates help students with placement by demonstrating the ability of a potential faculty member to teach a range of courses. Finally, Prof. Roche noted, certificate programs give faculty members not in PhD-granting departments an opportunity to engage with graduate students.

Prof. Roche then advocated that the Graduate Council develop criteria for any new certificate programs at the University and have responsibility for approving them. As for existing programs, he believed that they should be required to conform to the same standards and to undergo rigorous evaluation, with the proviso that students currently in the process of earning any certificates be grandfathered in for a certain number of years.

Prof. Woo said that she supported certificate programs in general but questioned the distinction made at times between "graduate" and "undergraduate" certificates. This nomenclature adds a layer of credentialing that is not appropriate. The value of certificate programs is their usefulness in offering a compact curriculum that then provides students with a way of demonstrating their efforts to broaden mastery of a subject

area or skill. She noted that the question before the Council should not be what the *University* gains from granting certificates but what our *students* gain from earning them.

Prof. Merz said that his experience with certificates is with the engineering department at a state institution. In many cases, it was neither graduate students nor undergraduate students who earned the certificates offered but engineers working in industry who wanted to gain a certain expertise, for example, in computational aeronautics. Certificates of this type are often a means of generating revenue for a department or college, and he believes that they should be overseen by a college council rather than by the Graduate Council.

Ms. McCumbers advocated developing different criteria for the two kinds of certificates discussed. She said that the value of certificates lies in making students more marketable and providing them with an opportunity for professional development. She emphasized that professional development is a pressing concern for graduate students. The various teaching certificates offered by the Kaneb Center are examples of how graduate students can develop marketable skills.

Prof. Pyne, the former director of the University's program in gender studies, said that she was part of the research team that developed the proposal for the gender studies certificate approved last March by the College Council of Arts and Letters. She noted that most of the certificate programs in gender studies are offered by institutions with *programs* in this field rather than departments. For example, Emory has a women's studies department and thus offers a PhD rather than a certificate in gender studies; Princeton, on the other hand, with a program in women's studies, is developing a certificate in gender studies, as is Yale. She emphasized to Council members that certificates are "absolutely the wave of the future" in gender studies.

As for certificates in general, Prof. Pyne said that certificates in an academic area are not meant to stand alone. Because they are awarded in conjunction with a masters or PhD degree, they demonstrate a concentration in an area of interest. Prof. Pyne added that in her own experience with graduate

students at Notre Dame, certificates are a great help to students on the job market. Finally, as Prof. Roche noted, they are invaluable in that they allow faculty not in PhD-granting departments to have a graduate student community and to conduct research at a high level.

Prof. Holland thanked Council members for their comments and said that the Graduate School will develop a proposal for certificate programs based on the discussion.

Prof. Holland noted that a copy of the Graduate School's *QuickFacts* brochure was at each member's place, along with a report on last year's graduate student survey. It is essential that the Council consider the survey results. He plans to do so at the next meeting.

There being no further business, Prof. Holland adjourned the meeting at 5:10 p.m.

Appendix A

Procedure for election of the search committee for the Dean of the Graduate School:

Composition:

The search committee for the Dean of the Graduate School is composed of five members of the tenured faculty and one student enrolled in the Graduate School. The Provost chairs the committee. After today's election, he may appoint up to two additional members from the regular faculty to the committee in order to ensure that it represents a broad range of views and perspectives.

Election Procedure:

Note: During each round of voting, the number of votes cast by each Council member will be equivalent to the number of vacancies available. A Council member may not cast more than one vote for a candidate during any given round of voting. There will be no absentee ballots.

(1) Student member:

The first student to receive the vote of a majority of Council members present is elected to the search committee.

(2) Faculty members:

To encourage diversity on many levels, the election of the search committee's five tenured faculty members occurs in two stages. Three members will be elected in the first stage, and two members elected in the second stage.

First stage: Electing the first, second, and third search committee members

A slate of nominees will be presented. Further nominations may be received from Council members present, with the expectation that the nominee will have indicated his/her willingness to serve. Council members may nominate themselves.

Voting: A nominee is elected to the search committee upon receiving the vote of a majority of Council members present.

(To facilitate counting the votes, members should use separate pieces of paper for each name.)

Votes will be conducted in successive rounds until all vacancies are filled.

If, during any round of voting, more nominees receive the vote of a majority of the Council members present than there are vacancies remaining, a run-off of those nominees will occur. During the first stage of voting, any nominee receiving three or fewer votes during any round will be eliminated from the process; however, nominees eliminated during the first stage may stand for election again during the second stage of voting.

Second stage: Electing the fourth and fifth search committee members

We will return to the original slate of nominees (excluding those nominees already elected to the search committee during the first stage). Council members may nominate additional tenured faculty, including themselves, to stand for election. Again, it is assumed that nominees will have expressed a willingness to serve.

As during the first round, the nominees receiving the vote of a majority of Council members present will be elected to the

search committee, with the same provisos applying.

Appendix B

Executive Committee of the Graduate Council

The Graduate Council has an executive committee composed of the dean of the Graduate School, the associate deans, a liaison from the Academic Council (the one member of the group defined in Article IV, Sec. 3 (d)(3) who is on the Academic Council's executive committee), three faculty members elected by and from the Graduate Council (no more than one of whom can be *ex officio*, as defined in Article IV(3)(d)(1)), and one graduate student representative elected by and from the Graduate Council. The dean of the Graduate School serves as chair. Executive committee meetings are called by the chair or when requested by a majority of executive committee members. The functions of the executive committee are to: (1) develop the agenda for Graduate Council meetings; (2) advise the dean of the Graduate School, and (3) recommend the formation of subcommittees that would address areas of concern and report to the dean or to the Council as a whole.

Research

Awards and Proposal Summary

11/01/2007 to 11/30/2007

Awards Received

Category	No.	Amount
Research	21	\$2,745,270
Instructional Programs	1	\$277,500
Service Programs	1	\$6,500
Total:	23	\$3,029,270

Proposals Submitted

Category	No.	Amount
Research	66	\$17,750,978
Instructional Programs	2	\$138,756
Total:	68	\$17,889,734

November 2007 Cumulative summary

Awards Received

Category	07.01.2005 - 11.30.2005		07.01.2006 - 11.30.2006		07.01.2007 - 11.30.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	151	\$26,806,192	192	\$36,611,411	155	\$41,276,749
Facilities and Equipment						
Instructional Programs	1	\$237,796	4	\$591,775	6	\$772,219
Other Programs						
Service Programs					1	\$6,500
Total:	152	\$27,043,988	196	\$37,203,186	162	\$42,055,468

Proposals Submitted

Category	07.01.2005 - 11.30.2005		07.01.2006 - 11.30.2006		07.01.2007 - 11.30.2007	
	No.	Amount	No.	Amount	No.	Amount
Research	373	\$84,084,596	358	\$136,345,342	329	\$118,285,404
Facilities and Equipment						
Instructional Programs	5	\$2,750,613	13	\$1,720,402	10	\$1,148,358
Other Programs	1	\$5,000				
Service Programs						
Total:	379	\$86,840,209	371	\$138,065,744	339	\$119,433,762

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 Nov-01-2007 to Nov-30-2007

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)	Aggressive Inter-turbine Duct Separation Control Using Plasma Actuators.	Corporate Funding	\$369,935	27
Morris, Scott C. (Center or Institute)	Acoustic of Circulation Control	Department of Navy	\$106,000	37
Roeder, Ryan K.	Biological Materials Science Symposium	National Science Foundation	\$3,500	6
Thomas, Flint O. Corke, Thomas C. Dunn, Patrick F. (Center or Institute)	Fuel Cavitation Suppression Technology	Corporate Funding	\$50,000	19
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$13,928	57
Department or Office:	Art, Art History and Design			
Rhodes, Robin F.	Study and Publication of the Greek Stone Architecture at Corinth	National Endowment for the Humanities	\$100,000	36
Department or Office:	Biological Sciences			
Lamberti, Gary A. (Center or Institute) Chaloner, Dominic T.	Impacts of Introduced Pacific Salmon on Ecological Communities of Great Lakes Tributaries	Great Lakes Fishery Trust	\$150,637	24

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Chemical and Biomolecular Engineering				
Bohn, Paul W. McCready, Mark J.	Center for Advanced Materials for Water Purification with Systems	University of Illinois-Urbana-Champaign	\$126,201	26
Department or Office: Civil Engineering and Geological Sciences				
Sakimoto, Susan E.	Transportation Demand Model Development for Elkhart County.	Elkhart County	\$35,147	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				
Chen, Danny Z.	Graph-Based Medical Image Segmentation in 3D and 4D	University of Iowa	\$93,786	34
Chen, Danny Z.	4D Imat Planning Using Graph Algorithms	University of Maryland	\$74,643	12
Department or Office: Electrical Engineering				
Jena, Debdeep Merz, James L. Seabaugh, Alan C. (Center or Institute) Xing, Huili	Laboratory for Engineering of Oxide/Nitride Structures (EONS)	Department of Navy	\$1,146,000	15

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

Investigator(s)	Title	Sponsor	Dollars	Months
Jena, Debdeep (Center or Institute) Kuno, Masaru K.	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	\$20,893	36
Department or Office:	Institute for Latino Studies			
Richman, Karen E. (Center or Institute)	Latino Immigrants in South Bend: An Applied Research Project	Private Foundation	\$5,000	12
Department or Office:	Physics			
Bennett, David P. (Center or Institute)	Gravitational Microlensing Planet Search Observations and Analysis	National Aeronautics and Space Administration	\$55,000	36
Hildreth, Michael D.	A Demonstration of the Electronic and Mechanical Stability of a BPM-Based Energy Spectrometer for the International Linear Collider	University of Oregon	\$59,000	36
Wayne, Mitchell R. Hildreth, Michael D.	Scintillator Based Muon System R & D for a Linear Collider	University of Oregon	\$11,000	36
Department or Office:	Psychology			
Borkowski, John G. (Center or Institute) Maxwell, Scott E. Lefever, Jennifer E.	Preventing Child Maltreatment Through a Technology-Enhanced Parenting Intervention	University of Kansas	\$180,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Frabutt, James M.	A Collaborative Approach to Eliminating Street Drug Markets through Focused Deterrence	University of North Carolina	\$17,000	21
Department or Office: Sociology				
Cardenas, Gilberto (Center or Institute)	Latino Community Organization Directory	Private Foundation	\$25,000	13
<u>Awards for Instructional Programs</u>				
Department or Office: English				
Staud, John J. (Center or Institute)	University of Notre Dame-ACE Program	Corporation for National & Community Service	\$277,500	36
<u>Awards for Service Programs</u>				
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	RCLC After School Program	City of South Bend	\$6,500	7

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

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Cavalieri, David Jumper, Eric J. Gordeyev, Stanislav V. Rennie, Robert M.	Aero-Optics Beacon for Adaptive Optics Phase II	Corporate Funding	\$278,764	24
Goodwine, John W.	Optimal Control of Symmetric Distributed Systems	National Science Foundation	\$205,430	36
Tomar, Vikas Niebur, Glen L.	Establishing the Computational and Experimental Methods for Analyzing Microstructure Dependent Microdamage and Failure of Trabecular Bone.	National Institutes of Health	\$112,500	12
Department or Office:	Anthropology			
Chesson, Meredith S.	Place, Identity and Connectivity in Late Bronze Age Calabria: Household Archaeology at Sant'Aniceto	National Science Foundation	\$76,384	31
Chesson, Meredith S.	Place, Identity, and Connectivity In Bronze Age Calabria: Household Archaeology at Sant' Aniceto	National Geographic Society	\$24,733	18
Department or Office:	Biological Sciences			
Besansky, Nora J.	Functional Genomics of Inversion 2La in Anopheles gambiae	National Institutes of Health	\$441,044	12
Hellmann, Jessica J.	Dissertation Research: Long-Distance Dispersal Limitation of Three Related Herbaceous Plant Species at Their Common Northern Range Limit.	National Science Foundation	\$11,974	12
Hellmann, Jessica J.	Dissertation Research: Climate-driven Range Shifts: An Experiment Examining the Possible Breakdown of Interactions Between Specialist Insects and ...	National Science Foundation	\$7,730	24

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

Investigator(s)	Title	Sponsor	Dollars	Months
Lamberti, Gary A.	Dissertation Research: Modeling the Effects of Invasive Earthworms on Watershed Nitrogen Dynamics.	National Science Foundation	\$9,837	12
Lodge, David M.	Designing and Testing an Invasive Species Early Detection Site Selection Protocol	Nature Conservancy	\$46,629	18
Suckow, Mark A.	Tissue Vaccines and Extracellular Matrices as a Prostate Cancer Vaccine	Corporate Funding	\$421,571	24
Tank, Jennifer L.	DISSERTATION RESEARCH: Transport, Sorption, and Degradation of Cry1Ab Toxin Derived from Genetically Engineered Corn Crop Byproducts in Agricult....	National Science Foundation	\$11,499	12
Vaughan, Kevin T.	Regulation of Cytoplasmic Dynein Targeting	National Institutes of Health	\$375,000	12
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	12
Bohn, Paul W.	Actively Controlled Transport with Molecular Assemblies.	National Science Foundation	\$441,412	36
Chang, Hsueh-Chia	Dielectrophoresis of Nanocolloids: a New Technique for Capturing and Detecting Biomolecules and Bioparticles.	Private Foundation	\$119,198	36
McGinn, Paul J.	Transition Metal Carbide Catalysts for Low Temperature Fuel Cell Applications.	American Chemical Society	\$150,000	36
Department or Office:	Chemistry and Biochemistry			
Bartels, David M.	Reactivity of Aqueous Iron(VI), Iron(V), and Iron(IV) with Peptides: Experimental and Theoretical Studies	Florida Institute of Technology	\$15,000	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Brown, Seth N.	Probing the Articulation Between Electron Transfer and Bond Cleavage Using Early Metal Complexes of Redox-Active Phenoxides.	American Chemical Society	\$150,000	39
Castellino, Francis J.	Blood Coagulation Protein - Metal Ion - Lipid Interactions.	National Institutes of Health	\$411,150	12
Corcelli, Steven A.	Computational Studies of Hydrogen-Bond Dynamics in Methanol Probed by Ultrafast IR Spectroscopy	ACS Petroleum Research Fund	\$50,000	24
Hartland, Gregory V.	Correlated Time-Resolved Spectroscopy and Structural Studies of Single Metal Particles.	National Science Foundation	\$25,000	12
Kuno, Masaru K. Kamat, Prashant V.	Quantum dot/nanowire heteroassemblies for photovoltaic applications	National Science Foundation	\$404,015	36
Lieberman, Marya	Electrochemically Assisted Assembly and Patterning of DNA Nanostructures on Semiconductor Surfaces.	National Science Foundation	\$310,522	36
Miller, Marvin J. Chang, Mayland	Chemistry-Biochemistry-B Interface Training Program at Notre Dame.	National Institutes of Health	\$176,199	12
Ploplis, Victoria A.	The Pathological Consequences of the Plasminogen System	National Institutes of Health	\$329,855	12
Taylor, Richard E.	A Common Pharmacophore for Polyketide Inhibitors of Protein Synthesis.	National Science Foundation	\$2	36
Vakulenko, Sergei	Aminoglycoside Resistance in Enterococci	National Institutes of Health	\$327,713	12
Department or Office:	Civil Engineering and Geological Sciences			
Burns, Peter C.	An Adaptive Coastal Observation Network for Landfalling Hurricanes.	University of Florida	\$512,477	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Burns, Peter C. Soderholm, Lynda Henderson, Kenneth W.	Metal Ion Hydrolysis and Aggregation: Structure and Speciation.	National Science Foundation	\$0	60
Fein, Jeremy B. Burns, Peter C.	Consortium for the Environmental Safety Assessment of Nanotechnology (CESAN): Univ. of Notre Dame portion	University of Minnesota	\$0	60
Department or Office:	Computer Science & Engineering			
Chawla, Nitesh V.	Prospective Health Care: Turning the Next Page.	Corporate Funding	\$200,000	
Department or Office:	Economics and Econometrics			
Hungerman, Daniel M.	The Impact of Early Access to Oral Contraception on the Health of Women and Children.	National Institutes of Health	\$84,750	12
Wozniak, Abigail K.	Social Determinants of Labor Market Disparities by Gender and Race	Private Foundation	\$30,000	12
Department or Office:	Electrical Engineering			
Jena, Debdeep Snider, Gregory L. Merz, James L. Xing, Huili	FRG: Graphene Quantum Heterostructures by Geometry.	National Science Foundation	\$745,913	36
Lent, Craig S.	A Roadmap for Molecular Quantum-dot Cellular Automata.	National Science Foundation	\$377,444	36
Seabaugh, Alan C. Fay, Patrick J. Jena, Debdeep Lent, Craig S. Porod, Wolfgang Kosel, Thomas H. Bernstein, Gary H. Xing, Huili Hu, Xiaobo Niemier, Michael T.	Midwest Academy for Nanoelectronics and Architectures (MANA)	Corporate Funding	\$3,791,312	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Snider, Gregory L.	Spins in quantum Electronic Systems and Technology (SpinQuEST)	University of Virginia	\$490,000	60
Department or Office:	Film, Television, and Theatre			
Becker, Christine A.	2008 American Postdoctoral Fellowship	Private Foundation	\$30,000	12
Department or Office:	Mathematics			
Hind, Richard K.	Problems in Symplectic Geometry and Holomorphic Curves	National Science Foundation	\$111,165	36
Liu, Xiaobo	Universal Equations for Gromov-Witten Invariants.	National Science Foundation	\$162,997	36
Tinaglia, Giuseppe	Constant Mean Curvature Surfaces in Three-manifolds.	National Science Foundation	\$76,813	36
Zhang, Yongtao	High Order Numerical Methods for PDEs on Complex Domains and Their Applications in Computational Biology	National Science Foundation	\$80,575	36
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
Balsara, Dinshaw S. Zhang, Yongtao	MSPA-AST: Self-Adaptive Higher Order Schemes for Astrophysics: Going Beyond Second Order Accuracy	National Science Foundation	\$398,434	36
Balsara, Dinshaw S. Rettig, Terrence W.	Simulating Dust Settling in Turbulent Protostellar Disks	National Science Foundation	\$303,975	36
Bigi, Ikaros I.	Indirect Probes for Dynamics Beyond the Standard Model	National Science Foundation	\$264,648	36
Blackstead, Howard A.	Magnetic Superconductors.	University of Missouri	\$928,996	36
Delgado, Antonio	Novel Electroweak Sectors and its Implication at LHC	Department of Energy	\$503,063	60

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

Investigator(s)	Title	Sponsor	Dollars	Months
Garnavich, Peter M.	Collaborative Research: Host Galaxies of the SDSS-II Supernova Survey	National Science Foundation	\$84,658	36
Howk, Jay C. Lehner, Nicolas	Lyman Limit Systems: Tracing the Galaxy-Intergalactic Medium Connection Over Cosmic Time.	National Science Foundation	\$393,784	36
LaVerne, Jay A.	Hydrogen Production from Surface Water on Plutonia and Irradiated Surrogates.	National Science Foundation	\$0	36
Rettig, Terrence W. Balsara, Dinshaw S.	Gas and Dust Settling in Preplanetary Disks Around Young Stars.	National Science Foundation	\$121,285	36
Wiescher, Michael C. Goerres, Joachim	Background Conditions for Underground Accelerator Facilities.	National Science Foundation	\$430,800	24
Wiescher, Michael C.	Supplemental Request for Joint Institute for Nuclear Astrophysics (JINA).	National Science Foundation	\$75,000	36
Department or Office:	Political Science			
Hagopian, Frances	Creating a Cultural Divide: Political Parties, Religion, and Women's Issues in Latin America.	Private Foundation	\$30,000	12
Singh, Naunihal	Understanding the Dynamics and Outcomes of Military Coup Attempts.	University of Texas	\$74,400	12
Department or Office:	Psychology			
Carlson, Laura A. Eberhard, Kathleen M. Bauer, Peter H.	INT2-Large: Collaborative Research: Evidence-based Embodied Natural Language Processing for Natural Human-Robot Interactions.	National Science Foundation	\$824,348	60
Cummings, E. M. Maxwell, Scott E.	Children and Political Violence in Northern Ireland.	National Institutes of Health	\$667,858	12
Department or Office:	Radiation Laboratory			
Hug, Gordon L.	New Biologically Relevant Sulfur Radical Cation Chemistry	University of Arizona	\$66,739	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten Project Support.	Private Foundation	\$60,000	24
Caponigro, Jerome V.	Take Ten Comic Book II	Private Foundation	\$5,000	12
Kyes, Ellen G.	Take Ten Proposal to the Braitmayer Foundation.	Private Foundation	\$10,000	12
Department or Office:	Romance Languages and Literatures			
Jerez-Farran, Carlos	Luis Cernuda, Federico Garcia Lorca and the Difference Desire Makes	American Council Learned Society	\$40,000	11
Department or Office:	Sociology			
Cardenas, Gilberto	The Changing Face of Metro Chicago: Latino Impact.	Private Foundation	\$240,509	12
Cardenas, Gilberto	Research Assistance: Planning Impacts of Latino Population Growth.	Chicago Metropolitan Agency for Planning	\$25,000	3
<u>Proposals for Instructional Programs</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Roeder, Ryan K. Niebur, Glen L.	Body by Design: A Model University/Community Outreach.	University of California-Berkeley	\$89,746	36
Department or Office:	Chemistry and Biochemistry			
Wiest, Olaf G. Slaughter, John	Chemistry in a Digital Visualization Theatre.	Private Foundation	\$49,010	24

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

11/01/2007 to 11/30/2007

Awards Received

Department or Office	No.	Amount
Alliance for Catholic Education	1	\$277,500
Center for Aquatic Conservation	1	\$150,637
Center for Astrophysics	1	\$55,000
Center for Children and Families	1	\$180,000
Center for Flow Physics and Control	4	\$539,863
Institute for Latino Studies	2	\$30,000
Nano Science and Technology Center	2	\$1,166,893
Robinson Community Learning Center	1	\$6,500
Total:	13	\$2,406,393

Proposals Submitted

Department or Office	No.	Amount
Center for Aquatic Conservation	2	\$56,466
Center for Astrophysics	3	\$599,727
Center for Children and Families	1	\$667,858
Center for Flow Physics and Control	1	\$278,764
Center for Global Health and Infectious Diseases	1	\$441,044
Center for Microfluidics and Medical Diagnostics	1	\$119,198
Center for Transgene Research	2	\$741,005
Center for Zebrafish Research	1	\$375,000
Freimann Life Science Center	1	\$421,571
Institute for Latino Studies	2	\$265,509
Joint Institute for Nuclear Astrophysics	2	\$505,800
Nano Science and Technology Center	5	\$5,715,191
Radiation Laboratory	4	\$485,754
Robinson Community Learning Center	3	\$75,000
Total:	29	\$10,747,887

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 11/30/2007

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	3	\$283,000
Center for Children and Families	2	\$1,820,117
Center for Flow Physics and Control	8	\$875,242
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	1	\$100,000
Gigot Center	1	\$14,700
Institute for Church Life	1	\$10,000
Institute for Latino Studies	3	\$225,000
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
ND Energy Center	1	\$50,000
Nano Science and Technology Center	11	\$2,803,392
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:	72	\$19,667,008

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 11/30/2007

Proposals Submitted

Department or Office	No.	Amount
ACE Educational Outreach	2	\$85,000
Biological Sciences	1	\$45,883
Center for Aquatic Conservation	6	\$5,732,139
Center for Astrophysics	5	\$635,022
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	8	\$3,622,676
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	4	\$15,726,993
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	4	\$3,251,289
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	7	\$96,500
Walther Cancer Research Center	4	\$917,000
Total:	127	\$63,709,047

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	Center for Aquatic Conservation			
Lamberti, Gary A. (Center or Institute)	Impacts of Introduced Pacific Salmon on Ecological Communities of Great Lakes Tributaries	Great Lakes Fishery Trust	\$150,637	007262-001
Chaloner, Dominic T.				
Department or Office:	Center for Astrophysics			
Bennett, David P. (Center or Institute)	Gravitational Microlensing Planet Search Observations and Analysis	National Aeronautics and Space Administration	\$55,000	007135-001
Department or Office:	Center for Children and Families			
Borkowski, John G. (Center or Institute)	Preventing Child Maltreatment Through a	University of Kansas	\$180,000	006983-001
Maxwell, Scott E. Lefever, Jennifer E.	Technology-Enhanced Parenting Intervention			
Department or Office:	Center for Flow Physics and Control			
Thomas, Flint O. Corke, Thomas C. Dunn, Patrick F. (Center or Institute)	Fuel Cavitation Suppression Technology	Corporate Funding	\$50,000	007267-001
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Aggressive Inter-turbine Duct Separation Control Using Plasma Actuators.	Corporate Funding	\$369,935	007263-001
Morris, Scott C. (Center or Institute)	Acoustic of Circulation Control	Department of Navy	\$106,000	007069-001
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$13,928	006111-001
Department or Office:	Institute for Latino Studies			
Richman, Karen E. (Center or Institute)	Latino Immigrants in South Bend: An Applied Research Project	The Foundation of St. Joseph Regional Medical Center	\$5,000	007265-001
Cardenas, Gilberto (Center or Institute)	Latino Community Organization Directory	Private Foundation	\$25,000	007264-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nano Science and Technology Center				
Jena, Debdeep Merz, James L. Seabaugh, Alan C. (Center or Institute) Xing, Huiii	Laboratory for Engineering of Oxide/Nitride Structures (EONS)	Department of Navy	\$1,146,000	007260-001
Jena, Debdeep (Center or Institute) Kuno, Masaru K.	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	\$20,893	006843-001

Awards for Instructional Programs

Department or Office: Alliance for Catholic Education				
Staud, John J. (Center or Institute)	University of Notre Dame-ACE Program	Corporation for National & Community Service	\$277,500	006511-001

Awards for Service Programs

Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	RCLC After School Program	City of South Bend	\$6,500	007256-001

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office: Center for Aquatic Conservation				
Lamberti, Gary A.	Dissertation Research: Modeling the Effects of Invasive Earthworms on Watershed Nitrogen Dynamics.	National Science Foundation	\$9,837	08050304
Lodge, David M.	Designing and Testing an Invasive Species Early Detection Site Selection Protocol	Nature Conservancy	\$46,629	08050310
Department or Office: Center for Astrophysics				
Howk, Jay C. Lehner, Nicolas	Lyman Limit Systems: Tracing the Galaxy-Intergalactic Medium Connection Over Cosmic Time.	National Science Foundation	\$393,784	08050295
Garnavich, Peter M.	Collaborative Research: Host Galaxies of the SDSS-II Supernova Survey	National Science Foundation	\$84,658	08050308
Rettig, Terrence W. Balsara, Dinshaw S.	Gas and Dust Settling in Preplanetary Disks Around Young Stars.	National Science Foundation	\$121,285	08050314
Department or Office: Center for Children and Families				
Cummings, E. M. Maxwell, Scott E.	Children and Political Violence in Northern Ireland.	National Institutes of Health	\$667,858	08050285
Department or Office: Center for Flow Physics and Control				
Cavalieri, David Jumper, Eric J. Gordeyev, Stanislav V. Rennie, Robert M.	Aero-Optics Beacon for Adaptive Optics Phase II	Corporate Funding	\$278,764	08050292
Department or Office: Center for Global Health and Infectious Diseases				
Besansky, Nora J.	Functional Genomics of Inversion 2La in Anopheles gambiae	National Institutes of Health	\$441,044	08050298
Department or Office: Center for Microfluidics and Medical Diagnostics				
Chang, Hsueh-Chia	Dielectrophoresis of Nanocolloids: a New Technique for Capturing and Detecting Biomolecules and Bioparticles.	Private Foundation	\$119,198	08050293

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

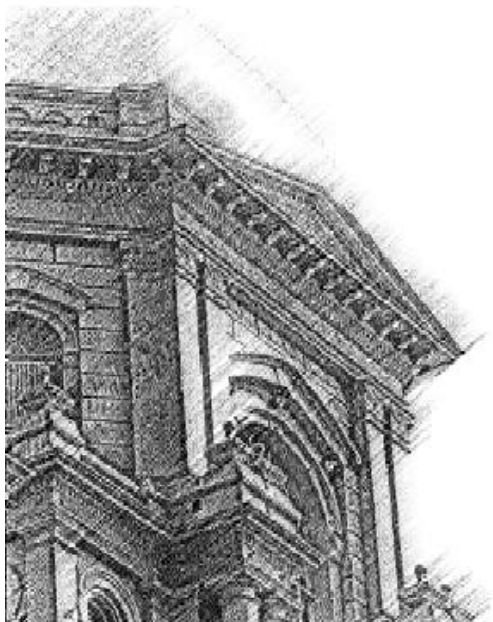
Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Transgene Research			
Ploplis, Victoria A.	The Pathological Consequences of the Plasminogen System	National Institutes of Health	\$329,855	08050282
Castellino, Francis J.	Blood Coagulation Protein - Metal Ion - Lipid Interactions.	National Institutes of Health	\$411,150	08050291
Department or Office:	Center for Zebrafish Research			
Vaughan, Kevin T.	Regulation of Cytoplasmic Dynein Targeting	National Institutes of Health	\$375,000	08050283
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Tissue Vaccines and Extracellular Matrices as a Prostate Cancer Vaccine	Corporate Funding	\$421,571	08050334
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	Research Assistance: Planning Impacts of Latino Population Growth.	Chicago Metropolitan Agency for Planning	\$25,000	08050326
Cardenas, Gilberto	The Changing Face of Metro Chicago: Latino Impact.	Private Foundation	240,509	08050319
Department or Office:	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C.	Supplemental Request for National Science Foundation Joint Institute for Nuclear Astrophysics (JINA).		\$75,000	08050296
Wiescher, Michael C. Goerres, Joachim	Background Conditions for Underground Accelerator Facilities.	National Science Foundation	\$430,800	08050345
Department or Office:	Nano Science and Technology Center			
Jena, Debdeep Snider, Gregory L. Merz, James L. Xing, Huili	FRG: Graphene Quantum Heterostructures by Geometry.	National Science Foundation	\$745,913	08050286
Snider, Gregory L.	Spins in quantum Electronic Systems and Technology (SpinQuEST)	University of Virginia	\$490,000	08050307

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Seabaugh, Alan C. Fay, Patrick J. Jena, Debdeep Lent, Craig S. Porod, Wolfgang Kosel, Thomas H. Bernstein, Gary H. Xing, Huili Hu, Xiaobo Niemier, Michael T.	Midwest Academy for Nanoelectronics and Architectures (MANA)	Corporate Funding	\$3,791,312	08050344
Lent, Craig S.	A Roadmap for Molecular Quantum-dot Cellular Automata.	National Science Foundation	\$377,444	08050341
Lieberman, Marya	Electrochemically Assisted Assembly and Patterning of DNA Nanostructures on Semiconductor Surfaces.	National Science Foundation	\$310,522	08050343
Department or Office:	Radiation Laboratory			
LaVerne, Jay A.	Hydrogen Production from Surface Water on Plutonia and Irradiated Surrogates.	National Science Foundation	\$0	08050280
Hug, Gordon L.	New Biologically Relevant Sulfur Radical Cation Chemistry	University of Arizona	\$66,739	08050327
Bartels, David M.	Reactivity of Aqueous Iron(VI), Iron(V), and Iron(IV) with Peptides: Experimental and Theoretical Studies	Florida Institute of Technology	\$15,000	08050331
Kuno, Masaru K. Kamat, Prashant V.	Quantum dot/nanowire heteroassemblies for photovoltaic applications	National Science Foundation	\$404,015	08050335
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten Comic Book II	Private Foundation	\$5,000	08050279
Kyes, Ellen G.	Take Ten Proposal to the Braitmayer Foundation.	Private Foundation	\$10,000	08050303
Caponigro, Jerome V.	Take Ten Project Support.	Private Foundation	\$60,000	08050342

Notre Dame Report



Volume 37, Number 5

January 18, 2008

Notre Dame Report is an official publication published monthly during the school year by the Office of the Provost at the University of Notre Dame.

Office of the Provost
300 Main Building
provost@nd.edu

For submissions only: ndreport.1@nd.edu

© 2008 by the University of Notre Dame
Notre Dame IN 46556.

All rights reserved.

Submissions to *Notre Dame Report*

Information for reporting activities, honors, or publications should be sent by e-mail to ndreport@nd.edu. Paper submission forms and copies of publications are no longer needed. For deadlines and other submission information, see issue 1 of the report or contact the editor at ndreport.1@nd.edu.