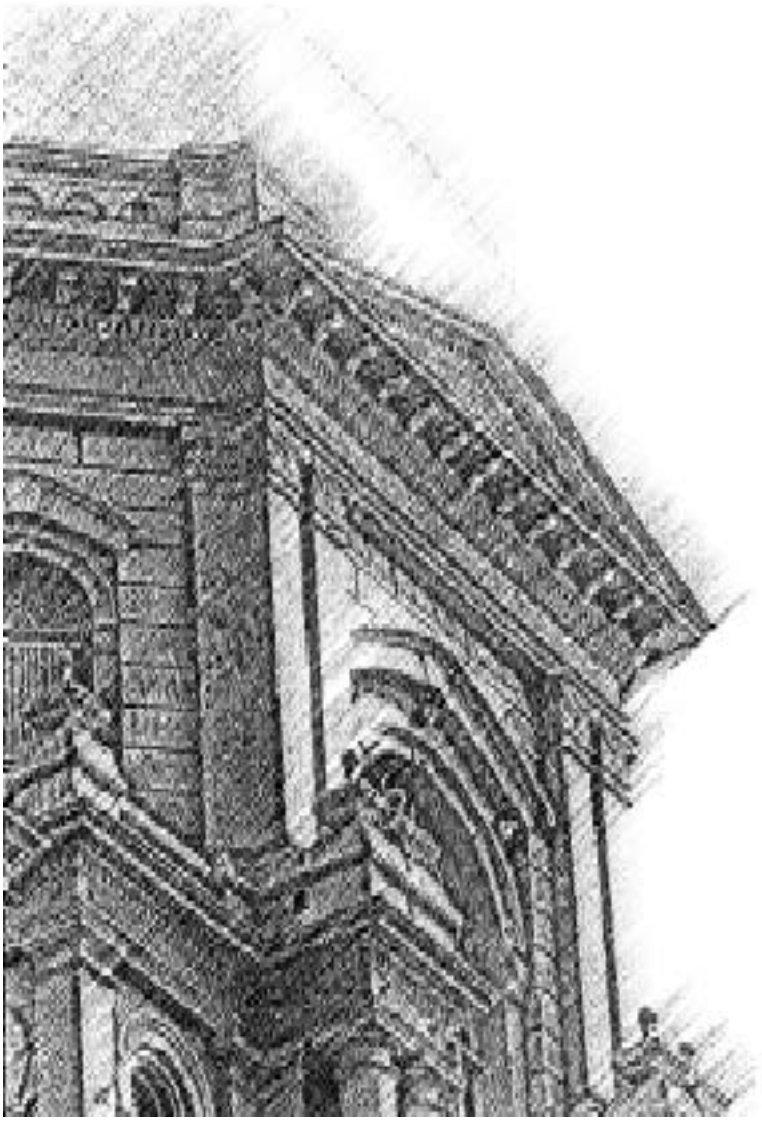
Notre Dame Report



SEPTEMBER 28, 2007

NUMBER 1

Faculty Notes

Honors

Ani Aprahamian., professor of physics, was elected to chair the scientific council of Laboratory GANIL(Grand Acceleratoeur National D'ions Lourdes) in Caen, France. (2007–09).

William G. Dwyer, the Hank Professor of Mathematics, was awarded the degree of doctor, *honoris causa,* by the Univ. of Warsaw at a ceremony held in Warsaw, Poland, on July 31.

Rev. Virgil Elizondo, C.S.C., was presented the John Courtney Murray Award at the Catholic Theological Society meeting in Los Angeles. This is the highest award given by the CTSA. He also was given the Esperanza Spirit Award for Exemplary Ministerial Service at "The National Hispanic Prayer Breakfast" in Washington, D.C.

Michael Lykoudis, professor and dean of the School of Architecture, was invited to be a member of the selection committee for the Colorado State American Institute of Architects annual design awards.

Donald E. Sporleder, professor of architecture emeritus, was elected president of the Roseland Park and Recreation Board.

Michael Wiescher, the Freimann Professor of Physics, received the 2007 *Humboldt-Forschungspreis* (Humboldt Research Award).

Activities

Heidi Ardizzone, assistant professor of American Studies and concurrent assistant professor of history, presented an invited talk, "Hiding in the Light: Tracing the Journey of Belle da Costa Greene," at the Pierpont Morgan Library in New York in June; and a shorter version of this paper, "Rumors of Race: Ambiguity and Knowing in the Case of Belle da Costa Greene," with a panel on "Biography History and Identity" that she organized and chaired for the American Historical Association annual meeting in January.

David Bartels, professional specialist in the Radiation Laboratory, presented "Effect of Hydration on Reactions of H and OH Radicals" at the American Chemical Society national meeting, Boston, Aug. 19–23.

Gerard Baumbach, professional specialist in the Institute for Church Life and concurrent professor of theology, presented "New Catechetical Leaders: Where Are They?" at the "Annual Conference and Exposition of the National Conference for Catechetical Leadership," Columbus, Ohio, on April 25; participated in and presented an overview of the Echo program at the ACTA colloquium on "Passing on the Faith to Whom? Responding to American Catholicism's Adult Education Crisis" held at the Catholic Theological Union in Chicago, July 31–Aug. 2; and presented "Affirming Our Catholic Identity" at the "Sesquicentennial Jubilee Eucharistic Congress of the Diocese of Fort Wayne-South Bend" at the Univ. of Notre Dame on Aug. 18.

Paul F. Bradshaw, director of the London Program, presented a lecture on "The Anglican Eucharist" at the Institut für Liturgiewissenschaft, Katholisch-Theologische Fakultät, Univ. of Vienna, Austria, on June 5 and presented "The Reception of Communion in Early Christianity" at a workshop at the Oxford Patristic Conference, Aug. 6–11.

Philippe Collon, professor of physics, presented "Measurement of the 36Cl Production Cross Section in X-Wind Irradiation Models" at the "JINA Frontiers 2007 Workshop," Univ. of Notre Dame, Aug. 19–21.

Alan Dowty, professor emeritus of political science, presented "The Fourth Stage of the Arab-Israel Conflict," a departmental seminar, for the Conflict Research, Management and Resolution Program, Hebrew Univ., Jerusalem, on May 30; "Israel-Palestinian Relations: A Turning Point?" at the Leonard David Institute for International Relations and the Dept. of International Relations, Hebrew Univ., on June 6; and "Background and Current Events in Israel" for "Project Kesher," International Jewish Women's Organization, Zhitomir, Ukraine, on June 16.

Ed Edmonds, associate dean for library and information technology in the Kresge Law Library, presented "Baseball Salary Arbitration—A Twenty-Year Analysis" at the "Sports Law Scholarship and Teaching Colloquium" at Marquette Univ. Law School, Milwaukee, on Sept. 27.

Georges Enderle, the Ryan Professor of International Business Ethics and Fellow of the Kellogg and Nanovic Institutes, participated in the panel discussion on "Human Rights in China" at the annual meeting of the Society for Business Ethics on Aug. 2 in Philadelphia.

Morten Eskildsen, assistant professor of physics, presented "Vortices and the Fate of the Fundamental Length Scales in Superconductors," a colloquium, at Iowa State Univ./Ames Laboratory, on Feb. 15; "Vortex Studies in $CeCoIn_5$," an invited talk, at the "2007 Conference on Strongly Correlated Electron Systems" in Houston, on May 17; "Vortex Sudies in $CeCoIn_5$," a seminar, at the Materials Science Division, Argonne National Laboratory, on May 29; "Vortex Studies in Ce $CoIn_5$," an invited talk, and the poster "Pauli Paramagnetic Effect on Vortices in Superconducting $TmNi_2 B_2 C$" at the "SINQ User Meeting" held as a special session at the "Fourth European Conference on Neutron Scattering," Lund, Sweden, on June 26; "Vortex Studies in Superconducting $CeCoIn_5$," a colloquium, at the Univ. of Wisconsin–Milwaukee, on July 12; and "Vortex Studies in Superconducting $CeCoIn_5$," a seminar, at the NIST Center for Neutron Research, Gaithersburg, Md., on Aug. 13.

James M. Frabutt, associate professional specialist in the ACE Leadership Program and concurrent associate professor of psychology, participated in a panel presentation, "Project Safe Neighborhoods: Reducing Gun Violence Through Drug Market Intervention and Gang Member Reentry Strategies," for the "National Institute of Justice Annual Conference," Washington, D.C., in July.

Malcolm Fraser, professor of biological sciences, presented "Developing the piggy-Bac Transposon System for Transgenic

Engineering Applications in Eukaryotic Species" at the "International Congress of Insect Biotech and Industry" in Daegu, South Korea, Aug. 17–25.

Umesh Garg, professor of physics, presented "Exotic Quantal Rotation in Nuclei: An experimental Report," an invited seminar, at the Yukawa Institute for Theoretical Physics, Kyoto Univ., Japan, on July 20.

Alexander Hahn, professor of mathematics and director of the Kaneb Center for Teaching and Learning, was invited to consult with representatives of the Univ. of Vienna concerning the establishment of a center for teaching and learning there, June 11–12.

J. Christopher Howk, professor of physics, presented the invited talk "Gas Phase Physics and the Evolution of Galaxies" to the Dept. of Physics and Astronomy, Univ. of Louisville, on Sept. 7.

Prashant V. Kamat, professor of chemistry and biochemistry, senior scientist in the Radiation Laboratory, and concurrent professor of chemical and biomolecular engineering, presented the invited paper "Semiconductor Quantum Dot-SWINT Architectures for Solar Energy Conversion" at the American Chemical Society national meeting, Boston, Aug. 19–23.

Jay A. Laverne, professional specialist in the Radiation Laboratory, presented "Effects of Track Structure in Radiation Chemistry" at the International Congress of Radiation Research, July 8–12 in San Francisco.

David Lodge, professor of biological sciences, presented "The Need for Risk Assessments in Invasive Species Prevention Programs" to the "Risk Assessment Training Workshop for the Mississippi River Basin Panel on Aquatic Nuisance Species" in Kansas City, Mo., Aug. 20–24.

Ralph McInery, professor of philosophy, presented "Common Sense and Philosophy" at the "Faith and Reason Conference at the Univ. of St. Francis in Fort Wayne on July 25; and "God and Nature" at the Institute of Advanced Physics conference at Notre Dame on July 27.

Anthony N. Michel, the Freimann Professor of Engineering Emeritus and he McCloskey Dean of Engineering Emeritus, cochaired the technical session "Stability of hybrid Systems" and presented "Converse Stability Theorems for Discontinuous Dynamical Systems: Improved Results" at the "2007 European Control Conference" in Kos, Greece, on July 3.

Juan Migliore, professor of mathematics, gave the invited talk "The Weak Lefschetz Property, Almost Complete Intersections and Monomial Ideals" at the "KUMUNU 2007" conference at the Univ. of Nebraska on Sept. 9.

Marvin J. Miller, professor of chemistry and biochemistry, presented the invited seminar "Modular Enhancement of Nature's Diversity (MEND): Nitroso Diels-Alder Reactions in Syntheses and for the Facile Derivitization and Functionalization of Complex Diene-Containing Natural Products" on July 25 at the "National Products, Gordon Conference" in Tilton, N.J.

Joseph O'Tousa, professor of biological sciences, presented "Genetic Approaches to Identify Molecular Components in *Drosophila* Photoreceptor Cell Death Pathways" at the Association for Research in Vision and Ophthalmology summer research conference in Monterey, Calif., Aug. 23–25.

Catherine Perry, associate professor of French and Francophone studies and Fellow of the Nanovic Institute and the Kroc Institute, presented "*L'Iran actuel face à la Perse imaginée par Montesquieu dans le roman de Chahdortt Djavann, Comment peut-on être français*" at the annual conference of the Conseil International d'Études Francophones, in Cayenne, French Guiana, July 1–8.

Jean Porter, professor of theology, presented "Reasoned Faith and Faithful Reason: Thomas Aquinas as Theologian and Philosopher," a combined lecture for the Aquinas Chair in Philosophy and the Aquinas Chair in Catholic Theology, St. Mary's College, on April 11; and "The Legislator and the Orator: Towards a Natural Law Jurisprudence for our Times," the Thompson Christian Philosophy Lecture, Dayton Univ., Ohio, on March 29.

Joseph M. Powers, associate professor of aerospace and mechanical engineering, presented "Verification and Validation of Premixed Laminar Flames" at the 9th "US National Congress on Computational Mechanics," San Francisco, July 22–26. Powers also presented "On the Coupling Between Length and Time Scales in Reactive Flows" (coauthored with **Samuel Paolucci**, professor of aerospace and mechanical engineering, and **Ashraf Al-Khateeb**, graduate student in engineering), "The Thermodynamics of Slow Invariant Manifolds for Reactive Systems" (coauthored with Samuel Paolucci), and "On the Computation of Approximate Slow Invariant Manifolds" (coauthored with Samuel Paolucci) and was a session chair at the "International Workshop on Model Reduction in Reacting Flow," Rome, Italy, Sept. 3–5. He has accepted an invitation to join the Dept. of Energy Computational Science Graduate Fellowship Selection Committee for 2008 and participate in the selection of the 2008 DOE CSGF awards; and participated in an August 2007 Dept. of Energy Proposal Review Panel.

Gabriel S. Reynolds, assistant professor of theology, presented "A New Approach to the Qur'an" at the American Embassy, Beirut, Lebanon, on June 21; was interviewed for *al-Safir newspaper*, Beirut (in Arabic) on June 28; and, on May 4, was a guest on a one-hour interview program on Lebanon, al-Hurra International Television (in Arabic).

Deborah L. Rotman, director of undergraduate studies in anthropology, presented, with S. Brighton, and T. O'Keeffe, "The Irish Diaspora in America: Building an Inter-Institutional Collaboration" at the Reyniers Archaeological Laboratory, Notre Dame, June 21; organized "First Rites: Innovative Undergraduate Research in Anthropology" with **Agustin Feuntes**, associate professor of anthropology and Fellow of the Center for Social Concerns and Institute for Latino Studies, for the annual meeting of the American Anthropological Association, San Jose, Calif., Nov. 15–19, 2006; and presented the invited paper "Fighting Irish: Old World Identities, New World Landscapes" with **Mark Hauser**, visiting assistant professor of anthropology, at the Midwest Historical Archaeology meeting, Muncie, on Nov. 4, 2006.

Donald E. Sporleder, professor of architecture emeritus, was an invited participant and speaker at the Riverside Trail Grand Opening, July 19; and was an invited participant in the "2007 BAC Leadership

Conference" of the International Union of Bricklayers and Allied Craftsworkers, Aug. 5–8, at the Univ. of Notre Dame, where he presented "Masonry Highlights at Notre Dame" with a guided walking tour of the campus on Aug. 6.

John W. Stamper, professor and associate dean, School of Architecture, presented "The Capitoline Temples of Rome and Its Colonies: Cosa and Pompeii" at the symposium "Cities and Gods: Interdisciplinary Perspectives" held at St. John's College, Univ. of Durham, England, July 6–7.

Eugene Ulrich , the O'Brien Professor of Theology, presented "The Impact of the Dead Sea Scrolls on Our Bible" at the San Diego Natural History Museum's Distinguished Lecture Series at the exhibition of the Dead Sea Scrolls; two presentations of "The Impact of the Dead Sea Scrolls on Our Bible," San Diego, July 30; "The Text and Canon of the Hebrew Bible" at Point Loma Nazarene Univ., San Diego, July 29; "The Impact of the Dead Sea Scrolls on Our Bible," the Hesburgh Lecture, to the Notre Dame Club in Orange County, Calif., on June 14; "The Impact of the Dead Sea Scrolls on Our Bible," the Union Station Distinguished Lecture Series at the exhibition of the Dead Sea Scrolls, Kansas City, Mo., May 8; and "The Impact of the Dead Sea Scrolls on Our Bible," the Hesburgh Lecture, to the Notre Dame Club and Knights of Columbus in Hilton Head, S.C., on April 16.

James VanderKam, professor of theology, presented "What's in an Ending? Ending Poorly or Ending Well" and "Intramural Calendar Conflicts" at "Dead Sea Scrolls: New Perspectives" at the second New York Univ.-Univ. of Notre Dame Joint Program: "Jewish and Christian Scholars on Judaism and Christianity in Antiquity," New York Univ., May 29–30; "The Manuscript Tradition of Jubilees" at Enoch and the Mosaic Torah: The Evidence of Jubilees, The Fourth Enoch Seminar," Camaldoli, Italy, July 9; "Canon" and "Festival of Weeks" at the Associated Mennonite Biblical Seminary, Elkhart, Ind., on July 19; and "Exegesis of Pentateuchal Legislation in Jubilees and Related Texts Found at Qumran" at the "International Workshop on the Study of the Pentateuch with Special Emphasis on the Textual Transmission History in the Hellenistic and Roman Periods," Tokyo, Aug. 30.

Michael Wiescher, the Freimann Professor of Physics, was a member of the advisory board for "The FRANZ Neutron Source" held in Frankfurt, Germany, May 21–23; the organizing committee for "Nuclear Physics Data Compilation for Nucleosynthesis Modeling" held in Trento, Italy, May 29–June 1; the organizing committee for the second JINA Conference "Frontier 2007" held in Notre Dame, Aug. 19–21; the international advisory committee for the Carpathian summer school "Exotic Nuclei and Nuclear/Particle Astrophysics" held in Sinaia, Romania, Aug. 20–31; the organizing committee for the workshop on "Nuclear Astrophysics at the National Ignition Facility" held in Livermore, Calif., Aug. 27–30; the international advisory committee for the fourth "International Conference on Fission and Properties of Neutron Rich Nuclei" to be held in Sanibel Island, Fla, Nov. 11–17; the international advisory committee for the "XXXI Symposium on Nuclear Physics" to be held in Cocoyoc, Morelos, Mexico, in January 2008; and the international advisory committee for the 10th "Symposium on Nuclei in the Cosmos" to be held on Mackinac Island, Mich., July 27–Aug. 1, 2008. He presented the following invited seminars and talks: "Deep Science with Small Accelerators" for the National Science Foundation, Washington, D.C., in November 2006; "Nucleosynthesis in Thermonuclear and Pycnonuclear Burning Environments" at the Univ. of Illinois, Urbana-Champaign, in April; "Nuclear Physics in Stars" for the PIXE-PAN Program at the Univ. of Notre Dame, in June; "Status and Goals in Nuclear Physics at Notre Dame" for the National Science Foundation, Washington, D.C., in June; "Stellar Nuclear Astrophysics" at the "DNP Town-Meeting on Nuclear Structure and Nuclear Astrophysics" in Chicago, Jan. 19; "Nucleosynthesis in Thermonuclear and Pycnonuclear Burning Environments" at a NUSTAR collaboration meeting, GSI, Darmstadt, Germany, March 19–23; "Nucleosynthesis, The Origin of Elements" at the "International Symposium on Nuclear Data for Industry and Applications, ND2700," Nice, France, in April; "The Role and Impact of University Laboratories on Nuclear Physics" at the NSAC long-range planning meeting, Galveston, Tex., in April; "The Role of Franz Käppeler for the Field of Nuclear Astrophysics" at a workshop on experimental opportunities for nuclear astrophysics at the Frankfurt neutron source of the Stern-Gerlach-Zentrum—The FRANZ Neutron Source, Frankfurt, Germany, May 21–23; "Diversity in JINA" and "The Social Network of a Physics Frontier Center—JINA" at the PFC directors meeting, National Science Foundation, Washington, D.C., June 28; and "News and Challenges on Reaction Rates for Charged Particles Z>8" at "Nuclear Astrophysics: Beyond the First 50 Years" in Pasadena, Calif., on July 25.

Oliver F. Williams, C.S.C., director of the Center for Ethics and Religious Values in Business and Fellow of the Kroc Institute, presented "Strengthening Public Governance: What Difference Can Business Make?" at the "World Economic Forum on Africa," Cape Town, South Africa, on June 14; presented "Peace Through Commerce: Responsible Corporate Citizenship and the Ideals of the UN Global Compact" at the conference on ethical leadership in and through business, the Univ. of Western Cape, Cape Town, on June 26; was an invited participant at the "Global Compact Leaders' Summit," Palais des Nations, United Nations Office in Geneva, Switzerland, July 3–10; and presented "The Relationship Between Social Responsibility and Economic Success: The Need for a New Normative Theory'" at the annual meeting of the Business Ethics Network of Africa, Addis Ababa, Ethiopia, Aug. 1–3.

Publications

J. Douglas Archer, librarian, contributed "Information Tips and Sources: Scriptures/ Sacred Books for Peace and Conflict Studies, Part 1" to *The Peace Chronicle: The Newsletter of the Peace and Justice Studies Association* (summer 2007): 26–27.

Heidi Ardizzone, assistant professor of American Studies and concurrent assistant professor of history, published *An Illuminated Life: Belle da Costa Greene's Journey from Prejudice to Privilege* (W.W. Norton & Co., 2007).

Gerard Baumbach, professional specialist in the Institute for Church Life and concurrent professor of theology, published *Christ's Love and God's Law* (St. Anthony Messenger Press, May 2007); *Love and Respect in*

Family (St. Anthony Messenger Press, July 2007); and *Responding to God's Love in Prayer* (St. Anthony Messenger Press, September 2007).

Howard Blackstead, professor of physics, published "Implications for the Origin of the Pseudogap: Microwave Spectroscopy of $PrBa_2 Cu_4 O_8$" with J.D. Dow, M. Osada, and M. Kakihana, *Physical Review B* 76 (2007): 024522 (8 pages); and "Antiferromagnetism and Superconductivity: Magnetic Order in $YSr_2 Cu_{2.1} Ru_{0.9} O_{7.9}$ " with W.B. Yelon, M. Kornecki, M.P. Smylie, Q. Cai, J. Lamsal, V.P.S. Awana, S. Balamurugan, and E. Takayama-Muromachi, *Physical Review B* 76 (2007): 094507, 6 pages.

Paul F. Bradshaw, director of the London Program, published "*Alle origini del culto cristiano: Fonti e metodi per lo studio della liturgia dei primi secoli," Monumenta Studia Instrumenta Liturgica* 46 (Vatican City: Libreria Editrice Vaticana, 2007); "The Changing Face of Early Liturgy," *Music and Liturgy* 33, 1–2 (2007): 23–26 and 6–7; and edited, with **John Melloh**, professional specialist in theology, *Foundations in Ritual Studies: A Reader for Students of Christian Worship* (London: SPCK/Grand Rapids: Baker Academic, 2007).

Roger K. Bretthauer. retired 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.

Philippe Collon, professor of physics, published "A New AMS Setup for Nuclear Astrophysics Experiments" with D. Robertson; **Christopher Schmitt**, graduate assistant in physics; D. Henderson; B. Shumard; **Larry O. Lamm**, research professor of physics; **Edward Stech**, assistant professional specialist in physics; et al., *Nucl. Instr. and Meth. B* 259, 669–72 (2007).

Michael J. Crowe, the Cavanaugh Professor Emeritus in the Program of Liberal Studies, published *Mechanics from Aristotle to Einstein* (Santa Fe, N.Mex.: Green Lion Press, 2007): xxii + 332 pages.

Julia Douthwaite, professor of Romance languages and literatures, assistant provost for International Studies, and Fellow in the Nanovic Institute, published "The *Dix-huitiémiste* as Detective," in *Etre dix-huitiémiste II*, ed. C. Blum (Ferney, Switzerland: Centre international d'étude du XVIIIe siècle, 2007): 115–26.

James M. Frabutt, associate professional specialist in the ACE Leadership Program and concurrent associate professor of psychology, published "How to Avoid Stumbling While 'Walking the Talk': Supporting the Promise of Authentic Partnerships" with T.L. Shelton, *Journal of Higher Education Outreach and Engagement* 11, No. 2 (2006): 139–53.

Agustin Feuntes, associate professor of anthropology and Fellow of the Center for Social Concerns and Institute for Latino Studies, published, with **Deborah L. Rotman**, director of undergraduate studies in anthropology, "Undergraduate Research in Anthropology: Students and the Creation of Anthropological Knowledge," *Anthropology News* 47, No. 8 (2006): 17–18.

Joachim Görres, research professor of physics, published "The 19F(α,p γ)22Ne Reaction and the Abundance of Fluorine in Asymptotic Giant Branch (AGB) Stars" with C. Ugalde; A. Couture; **Edward Stech**, assistant professional specialist in physics; and **Michael Wiescher**, the Freimann Professor of Physics, *Revista. Mexicana de Fisica* 52 (2006): 46–49;

Charles Kulpa, professor of biological sciences, published "Biodegradability of Imidazolium and Pyridinium Ionic Liquids by an Activated Sludge Microbial Community," *Biodegradation* 18 (2007): 481–93.

Ralph McInerny, professor of philosophy, published "Divine Creation in Ancient and Early Medieval Thought" in *Essays, Presented to Robert Crouse* (Leiden/Boston: Brill, 2007): 295–308; *Some Catholic Writers* (South Bend: St. Augustine's Press, 2007): 154 pages; and "The Ancient Quarrel Between Philosophy and Poetry" in *Contemplata Aliis Tradere*, O.H Beltran, H.J Delbosco, J.F Franck, and J.P. Roldan, eds. (Buenos Aires: Editorial Dunken, 2007): 53–61.

Dan Meisel, professor of chemistry and biochemistry, published "Effect of Silica-Supported Silver Nanoparticles on the Dihydrogen Yields from Irradiated Aqueous Solutions" with T. Zidki, H. Cohen, and D. Meyerstein, *J. Phys. Chem. C* 111, No. 28 (2007): 10461–6; and coauthored the invited paper "Kinetics of Size Dependent Redox Exchange Reaction of Au and Pt Nanoparticles with Ag(CN)2-," presented by coauthor Z. Zhang at the American Chemical Society national meeting, Boston, Aug. 19–23.

Anthony N. Michel, the Freimann Professor of Engineering Emeritus and he McCloskey Dean of Engineering Emeritus, published "Unifying Theory for Stability of Continuous, Discontinuous and Discrete-time Dynamical Systems" with L. Hou, *Nonlinear Analysis: Hybrid Systems* 1, No. 2 (2007): 154–72; *Algebra and Analysis for Engineers and Scientists* (Boston, Birkhäuser: 2007); and "Converse Stability Theorems for Discontinuous Dynamical Systems: Improved Results, *Proceedings of the 2007 European Control Conference* (2007): 99–104.

Peter R. Moody Jr., professor of political science, published *Conservative Thought in Contemporary China* (Lanham, Lexington Books, 2007), 231 pages; "Genro Rule in China and Japan: A Comparative Perspective," *Journal of Chinese Political Science* 12, No. 1 (April): 29–48; and "The Kuomintang and the Communist Party of China: Some Recent Relations," *China in the Twenty-First Century: Challenges and Opportunities,* ed. S. Hua and S. Guo (New York: Palgrave, 2007): 213–35.

Simon M. Pimblott, visiting scholar in the Radiation Laboratory and concurrent research professor of physics, published "Production of Low-Energy Electrons by Ionizing Radiation" with **Jay A. LaVerne**, professional specialist in the Radiation Laboratory and concurrent research professor of physics, in *Radiation Physics and Chemistry* 76 (2007): 1244–7.

Adrian J. Reimers, adjunct assistant professor of philosophy, published the essay "*La antropología personalista de Karol Wojtyla*" in J.F. Sellés. ed., *Propuestas antropológicas del siglo XX (II)* (Pamplona: EUNSA, 2007): 309–28.

Gabriel S. Reynolds, assistant professor of theology, published "The Qur'anic Sarah as Prototype of Mary," *The Bible in Arab Christianity,* D. Thomas, ed. (Leiden: Brill,

2007): 193–206; "Redeeming the Adam of the Qur'an," *Arabische Christen—Christen in Arabien,* ed. D. Kreikenbom et al. (Frankfurt: Lang, 2006): 71–3; and a review, "Yehuda Nevo and Judith Koren, *Crossroads to Islam*," *Journal of the American Oriental Society* 125 (2006): 9–13.

Deborah L. Rotman, director of undergraduate studies in anthropology, published "Public Displays and Private Tasks: Historical Archaeology of Landscape Utilization and Gender Relations in Indianapolis," *Midcontinental Journal of Archaeology* 32, No. 1 (2007): 89–116; and "Phase II Testing: The Hovde Residence (12Cn191), an Urban Farmstead in Mulberry, Indiana," *Purdue University Archaeological Research Publication* 05-01 (2006).

Slavi C. Sevov, professor of chemistry and biochemistry, published "Studies of the Mechanism of a Single-Crystal-to-Single-Crystal Reversible Dehydration of a Copper Carboxylate Framework" in *Chemistry of Materials* 19 (reprinted 2007): 4506–13.

Felicia A. Smith. librarian-in-residence, Hesburgh Library, published "Martindale's *The Reference Desk*" in *Reference Reviews* 21, No. 5 (summer).

Wanpeng Tan, science faculty member, published "The 15O(α,γ)19Ne Breakout Reaction and Impact on X-Ray Bursts" with **Jacob L. Fisker**, science staff member; **Joachim Görres**, research professor of physics; **Manoel J. Couder**, postdoctoral research associate in physics; and **Michael Wiescher**, the Freimann Professor of Physics, *Physical Review Letters* 98 (2007): 242503.

Eugene Ulrich, the O'Brien Professor of Theology, published "A Revised Edition of the 1QpaleoLev-Num^{a,} and 1QpaleoLev$^{b?}$ Fragments," *Revue de Qumrân* 22, No. 3 (2006): 341–47; and "What the Dead Sea Scrolls Have Taught Us about the Canon," *The Bible Today* 45, No. 3 (2007)148–54.

James VanderKam, professor of theology, published "The Pharisees and the Dead Sea Scrolls," in *In Quest of the Historical Pharisees* ,ed. J. Neusner and B. Chilton (Waco, Tex: Baylor Univ. Press, 2007): 225–36; "The Book of Parables within the Enoch Tradition," in *Enoch and the Messiah Son of Man: Revisiting the Book of Parables,* ed. G. Boccaccini (Grand Rapids: Eerdmans, 2007): 81–99; "The End of the Matter? Jubilees 50: 6–13 and the Unity of the Book" in *Heavenly Tablets: Interpretation, Identity and Tradition in Ancient Judaism*, ed. L. LiDonnici and A. Lieber (J*ournal for the Study of Judaism Supplements* 119; Leiden: Brill, 2007): 267–84; and "Dead Sea Scrolls: How They Changed My Life," *Biblical Archaeology Review* 33, No. 5 (2007): 63–66.

Michael Wiescher, the Freimann Professor of Physics, published "US Looks to New Rare-Isotope Science Facility" with K. Kemper and B. Sherrill, *CERN Courier* 47 (2007); "Measurement of the Neutron Capture Cross Section of the s-Only Isotope 204Pb from 1 eV to 440 keV" with C. Domingo-Pardo et al., *Physical Review C* 75 (2007): 015806; "The 139La(n,γ) Cross Section: Key for the Onset of the S-Process" with R. Terlizzi, et al., *Physical Review C* 75 (2007): 035807; "Astrophysical Nuclear Reactions and the Break-Out from the Hot CNO Cycles" with **George Berg**, visiting professor of physics; **Manoel J. Couder**, postdoctoral research associate in physics; **Jacob L. Fisker**, science staff member; Y. Fujita; **Joachim Görres**, research professor of physics; M.N. Harakeh; K. Hatanaka; A. Matic; **Wanpeng Tan**, science faculty member; and A.M. van den Berg, *Progress in Particle and Nuclear Physics* 59 (2007): 51.

Administrators' Notes

Honors

Alan S. Bigger, director of Building Services, was inducted president of APPA (formerly the Association of Physical Plant Administrators), an association representing more than 1,500 learning institutions encompassing over 4,700 individuals throughout the United States and internationally.

Activities

Miguel A. Franco, staff psychologist in the University Counseling Center, presented "Safe Environment Training" (Spanish version) for videotaping, on Aug. 17. This presentation will be viewed by all Spanish-speaking educators in the South Bend and Fort Wayne Catholic diocese schools.

Wendy Settle, staff psychologist for the University Counseling Center and concurrent assistant professor of psychology, presented a program on stress management to the Fulbright Scholars Foreign Language Teaching Assistant Program participants, Univ. of Notre Dame, on Aug. 8.

Publications

Alan S. Bigger, director of Building Services, published "Travel Kit for Life!" with L.B. Bigger, *Executive Housekeeping Today* 24, No. 8 (2007): 6–7.

Jacob L. Fisker, science staff member, published "The 15O(α,γ)19Ne Reaction Rate and the Stability of Thermonuclear Burning on Accreting Neutron Stars" with **Wanpeng Tan**, science faculty member; **Joachim Görres**, research professor of physics; **Michael Wiescher**, the Freimann Professor of Physics; and R.L. Cooper, *Astro. J.* 665 (2007): 637.

Dirk M. Guldi, Radiation Laboratory staff member, published Single-Wall Carbon Nanotubes Bearing Covalently Linked Phthalocyanines—Photoinduced Electron Transfer" with B. Ballesteros, G. de la Torre, C. Ehli, G.M. Rahman, F. Agullo-Rueda, and T. Torres, *J. Am. Chem. Soc.* 129, No. 16 (2007): 5061–8; and "Tuning Electron Transfer Through Translational Motion in Molecular Shuttles" with A. Mateo-Alonso, C. Ehli, G.M. Rahman, G. Fioravanti, M. Marcaccio, F. Paolucci, and M. Prato, *Angew. Chem. Int. Ed.* 46 (2007): 3521–5.

Gordon L. Hug, instrumentation coordinator in the Radiation Laboratory, published "Stabilization of Sulfide Radical Cations through Complexation with the Peptide Bond: Mechanisms Relevant to Oxidation of Proteins Containing Multiple Methionine Residues" with K. Bobrowski, D. Pogocki, B. Marciniak, and C. Schöneich, *J. Phys. Chem. B* 111, No. 32 (2007): 9608–20; "Sulfur Radical Cation-Peptide Bond Complex in the One-Electron Oxidation of S-Methylglutathione" with K. Bobrowski, D. Pogocki, B. Marciniak, and C. Schöneich in the *J. Am. Chem. Soc.* 129, No. 29 (2007): 9236–45; and Modification of Photochemical Pathways of Sensitized Oxidation of Phenylthioacetic Acid.: Effects of Solvent and Tetrabutylammoinium Salt" with P. Filipiak et al., *Journal of Photochemistry and Photbiology A: Chem.* 191 (2007): 167–75.

Michael W. Hull, graduate research assistant in chemistry and biochemistry, and **Slavi C. Sevov**, professor of chemistry and biochemistry, published "Addition of Alkenes to Deltahedral Zintl Clusters by Reaction with Alkynes: Synthesis and Structure of $[Fc\text{-}CH{=}CH\text{-}Ge_9\text{-}Ch{=}Ch\text{-}Fe]^{2-}$, an Organo-Zintl-Organometallic Anion" in *Angewandte Chemie International Edition* 46: 6695–8 (reprint 2007.

Anusorn Kongkanand, research associate in chemical and biomolecular engineering, published "Electron Storage in Single Wall Carbon Nanotubes: Fermi Level Equilibration in Semiconductor-SWCNT Suspensions" with **Prashant V. Kamat**, professor of chemistry and biochemistry and concurrent professor of chemical engineering, *ACSNano* 1, No. 1 (2007): 13–21.

Annalia Palumbo. graduate research assistant in physics, published "Astrophysical S Factor for α Capture on 112Sn in the p-Process Energy Range" with N. Özkan; G. Efe; R.T. Güray; **Joachim Görres**, research professor of physics; H.Y. Lee; **Larry O. Lamm**, research professor of physics; **Wolfgang Rapp**, research associate in physics; **Edward Stech**, assistant professional specialist in physics; **Michael Wiescher**, the Freimann Professor of Physics; Gy. Gyürky; Zs. Fülöp; and E. Somorjai, *Physical Review C* 75 (2007): 02580.

Ethan Uberseder, graduate assistant in physics, published "New Measurements of the 19F(n,γ)20F Cross Section and Their Implications for the Stellar Reaction Rate" with M. Heil; F. Käppeler; **Joachim Görres**, research professor of physics; and **Michael Wiescher**, the Freimann Professor of Physics, *Physical Review C* 75 (2007): 035801.

Xinyi Wang, postdoctoral research associate in chemistry and biochemistry, published "A Manganese Carboxylate with Geometrically Frustrated Magnetic Layers of Novel Topology" with **Slavi C. Sevov,** professor of chemistry and biochemistry, in *Chemistry of Materials* 19 (2007): 3763–66.

Documentation

2007–08 Publication Schedule for *Notre Dame Report* Vol. 37

Notre Dame Report will be published on the Web (http://provost.nd.edu/academic-resources-and-information/NDreport/index.shtml) according to the following schedule:

No. 1
Deadline: Wednesday, September 12
Publication Date: Friday, September 28

No. 2
Deadline: Wednesday, October 10
Publication Date: Friday, October 26

No. 3
Deadline: Wednesday, November 14
Publication Date: Friday, November 23

No. 4 listing of faculty and offices)
Deadline: Wednesday, November 14
Publication Date: Friday, December 7

No. 5
Deadline: Wednesday, January 2, 2008
Publication Date: Friday, January 18

No. 6
Deadline: Wednesday, February 13
Publication Date: Friday, February 22

No. 7
Deadline: Wednesday, March 19
Publication Date: Friday, March 28

No. 8
Deadline: Wednesday, April 9
Publication Date: Friday, April 25

No. 9
Deadline: Wednesday, May 14
Publication Date: Friday, May 30

No. 10
Deadline: Wednesday, July 16
Publication Date: Friday, August 1

Notre Dame Report Submission Information

Faculty (all classes: teaching research faculty, special professional faculty, and librarians and special research faculty) and administrators may submit information to be printed in *Notre Dame Report* via e-mail to ndreport@nd.edu. Receipt of information will be acknowledged as soon as edited for placement in an upcoming issue. Please be sure to indicate ND faculty or administrators' names with an asterisk after each one and *list their correct titles.*

FACULTY AND ADMINISTRATORS' NOTES:

Appointments include only those University appointments such as deans, department heads, heads of committees, and administrative professionals. This does not include appointments to faculty positions.

Honors is composed of non-University appointments in one's field and outright honors. It does not include fellowships, grants, etc. Any grants not published in the RESEARCH section of the report will be noted in *Activities*. Information required for each honor submitted includes: name, rank or title, department, honor, name of organization bestowing honor, city, state, and date (if applicable).

Activities must be of a professional and public nature (such as invited lectures and papers read) and should be related to one's work at the University. Lectures given on campus are only acceptable if they are of a special nature and/or if they are presented to a broader audience than the Notre Dame community. Merely attending a meeting does not qualify for inclusion. Information required for each activity submitted includes name, rank or title, department, title of presentation, title of conference or institution, city, state, and date. No activities are printed ahead of the date, only after the fact. Activities may not be reported if over six months out of date.

Publications of books, articles in journals, proceedings, or books, as well as reviews, are published in *Notre Dame Report*. Information required for a publication in a book or journal includes name, rank or title, department (for all Notre Dame authors), title of article, name of journal (volume number, issue number, date) or name of book (author, place of publication, publisher, date), and page numbers. Information required for a published or edited book includes name, rank or title, department (for all Notre Dame authors), book title, place of publication, publisher, date, and total number of pages. Publications may not be reported if over six months past publication date.

DOCUMENTATION:

Meeting minutes from the Graduate Council, Academic Council, University Committee on Libraries, Committee on Research and Sponsored Programs, Faculty Board on Athletics, and University Committee on Women Faculty and Students are printed, without editing, in *Notre Dame Report*. These minutes should be sent in electronic form (in rtf or Word format) to ndreport@nd.edu.

Academic Council University of Notre Dame

Meeting of April 19, 2007

Members Present: Rev. John I. Jenkins, C.S.C., Thomas G. Burish, Dennis Jacobs, Jean Ann Linney, Chris Maziar, Steven Buechler, Brian Claassen, Rev. Austin Collins, C.S.C., James Collins, Tom Cosimano, Mary Rose D'Angelo, Ken DeBoer, Stephen Fallon, Umesh Garg, Nasir Ghiaseddin, Graham Hammill, Chris Harris, Tara Johnson, Kelly Jordan, Tom Lamontagne, Michael Lykoudis, Joseph Marino, Stephen Molvarec, Patrick Murren, Robert Nelson, Patricia O'Hara, Hugh Page, Maura Ryan, Valerie Sayers, Susan Guise Sheridan, Richard Taylor, Scott Van Jacob, Jennifer Warlick, Bill Westfall

Members Absent: Panos Antsaklis, Neil Delaney, Nicole Garnett

Members Excused: John Affleck-Graves, Rev. Mark Poorman, C.S.C., Don Pope-Davis, Seth Brown, Mike Etzel, Michael Jenuwine, Colin Jessop, James McAdams, Jim Merz, Ram Ramanan, Mark Roche, Scott Van Jacob, Carolyn Woo, Jennifer Younger

Observers Present: Kevin Barry, Mary Hendriksen, Harold Pace, Dan Saracino, Greg Sterling, Don Wycliff

Observers Absent:

Observers Excused: Capt. Mike Neller, Brandon Roach

Guests: Thomas Kelly, Dept. Chair, Physical Education

After calling the meeting to order at 3:05 p.m., the Rev. John Jenkins, C.S.C., offered a prayer for the victims of the shootings at Virginia Tech.

1. **Approval of the minutes of the meeting of January 24, 2006:** Members approved the minutes of the meeting of January 24, 2006, without change.

2. **Name change for the "Department of Physical Education" to the "Department of Physical Education and Wellness Instruction":** Fr. Jenkins introduced the first item on the agenda: a proposal to change the name of the Department of Physical Education to the Department of Physical Education and Wellness Instruction. He noted that the Executive Committee has voted in favor of the proposed change.

There was some discussion from members regarding the necessity of the word "instruction" in the department's name. Dr.Kelly, chair of the Department of Physical Education, explained that while this was a question considered within the department, members felt it important that neither they nor other sectors of the University think that they are the campus "Department of Wellness." Rather, the department engages in wellness instruction and helps to construct a framework for students so that they can make choices for a healthy lifestyle.

Fr. Jenkins called for a vote on the proposal to change the name of the Department of Physical Education to the Department of Physical Education and Wellness Instruction. Members approved the change unanimously.

3. **Report from the Working Group on the Revisions of the Academic Articles:** Fr. Jenkins explained that last October, Provost Tom Burish appointed a working group to review and update the Academic Articles. Members of the working group are: Prof Linney from the Provost's Office, Prof. Ryan from the Academic Council, Prof. Charles Barber from the Faculty Senate, and Carol Kaesebier and Jill Bodensteiner from the General Counsel's Office.

Profs. Linney and Ryan then described the process used by the working group and some of its recommendations. First, Prof. Ryan explained, general comments on necessary changes were solicited from the campus community. In some cases, specific comments and concerns were asked of particular groups—library faculty, for example, on issues pertaining to the library. The working group tried to incorporate the concerns of these specific groups as they proceeded carefully through the Articles. Throughout, their task was to identify their own concerns, any inconsistent provisions, and areas in which the Articles no longer reflect current practice at the University. In addition, working group members recommended some new procedures and practices. They sent drafts of a revised Academic Articles to the Faculty Senate, the Faculty Affairs Committee of this body, and all college deans, with the request that the deans solicit feedback from their faculty in whatever ways they deemed appropriate. All comments on the proposed changes and any additional revisions are to be returned to the working group by September 30 of the 2007-08 academic year. The working group will then incorporate those suggestions and concerns into a new draft, with a goal of presenting a next revision to the executive committee of the Academic Council in October. Then, a revised document can be presented to the Council in November and December. Ultimate approval must come from the Board of Trustees.

Prof. Linney explained that the current draft of the revised Academic Articles contains numerous small changes. Many of them are part of a packet of changes that came from the General Counsel's office—collected by Ms. Kaesebier and Ms. Bodensteiner working through the Articles line by line and identifying provisions that were inconsistent or difficult to interpret. One example, Prof. Linney pointed out, is the definition of the term "faculty." Any Council member reading the Articles might note that, throughout, there are references to "the faculty;" yet, it is often not clear whether the reference is to teaching-and-research faculty alone or to all members of the regular faculty—and thus meant to include library, special professional, and research faculty. The task of committee members in this area and many others was to "clean up" the language of the Articles.

Prof. Linney went on to highlight some of the more substantive changes proposed by the working group:

- Definition of the term "special professional faculty" to include a designation as either clinical faculty or teaching faculty, as appropriate;
- Recommendations for timetables for some actions, particularly those related to faculty appeals and grievances;
- Elimination of some titles within the library faculty and modification of certain expectations for library faculty; also, recognition of the law library as a distinct entity that operates in collaboration with the Hesburgh Library but follows some slightly different procedures;
- Re-classification of certain administrative titles;
- For each type of faculty, clarification of the procedures for appointment, reappointment, and promotion;
- Clarification of the appointment process for endowed chairs.

Also, Prof. Linney noted, there has been serious concern on campus about the appeals process for non-reappointment. The Provost has asked the committee to undertake a benchmarking study of other universities and to make a recommendation for revisions needed to clarify the appeals process. With the current timeline of presenting changes to the Academic Council in the fall of 2007, she expects that proposed new procedures can be incorporated into the next revision of the Articles.

Finally, Prof. Linney said, the changes proposed by the committee will be

posted on the Provost's Web site for the entire University community to review. Comments can be submitted to the college deans or to any member of the working group.

Fr. Jenkins thanked the committee members for their painstaking and difficult work.

4. **Recommendation to eliminate the One-of-a-Kind (OAK) doctoral degree program.** Prof. Garg, liaison from the Academic Council to the Graduate Council, explained that the One-of-a-Kind (OAK) program was created several years ago to allow faculty in non-Ph.D.-granting departments to act as advisors and mentors to Ph.D. students and to direct 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 Ph.D. by working with a particular Notre Dame faculty member in a department that does not have a Ph.D. program—for example, Romance Languages and Literatures. Since 1996, only one student has been admitted to the OAK program, and that student eventually left the University without earning a Ph.D. Thus, by an overwhelming majority, the Graduate Council voted to abolish the program.

Seeing no comment or discussion, Fr. Jenkins called for a vote on the proposal to eliminate the OAK program. Members voted their unanimous approval.

5. **Committee reports:**

(a) *Undergraduate Affairs Committee:* Prof. Sayers reported that throughout the year, committee members worked on one of two subcommittees—either a subcommittee focused on grade validity or another on faculty-to-student relationships. Members of the first subcommittee decided that the problem of grade validity needed further study and began by investigating whether there had been an increase in the number of late drops at Notre Dame. The hypothesis suggested by a few members was that, increasingly, students who are performing poorly in a course drop it late in the term rather than continuing on and receiving a poor grade. If true, this would tend to remove the lower part of the grade distribution and result in an apparent increase in students' grade point average. The Registrar prepared a detailed report on the phenomenon over the past two years. Due to the transition to the Banner system, however, subcommittee members were unable to retrieve data prior to the Year 2000. Thus, a long-term trend cannot be confirmed. Prof. Sayers noted that the subcommittee decided not to survey faculty on what pressures they experience when assigning grades to students. She added that Prof. Stuart Greene has been meeting with the dean of undergraduate studies in the College of Arts and Letters as well as with each department to share data on the trend of rising average grades and to discuss potential ways to curb it. At this time, the subcommittee has no specific proposal to submit to the full Academic Council.

As for the subcommittee on faculty-to-undergraduate student relations, Prof. Sayers said, its members have been focused on the idea of mentorship. They feel that it has tremendous implications for students' sense of personal and intellectual connectedness in the University and for the University's goal of increasing the number of students who are considering graduate school or applying for postgraduate fellowships. Subcommittee members' first step was to design a survey asking faculty and students whether they have had the opportunity to mentor or to be mentored, and, if so, how that relationship arose. Given the end of the year crunch in Institutional Research, subcommittee members were not able to administer the survey this spring but plan to do so in the fall. In the meantime, they are gathering more informal data on mentorship from students by way of focus groups.

Prof. O'Hara asked what the data on late drops revealed.

Prof. Jacobs answered that there is a large difference in the drop rates in the fall and the spring, with the rates being higher in the fall term. If one compares, say, fall 2005 to fall 2006, there was a five percent increase in the drop rate over one year; however, whether that increase is significant is not clear. It is necessary to analyze the long-term data to confirm whether it is a trend.

Prof. Maziar asked Prof. Jacobs whether the subcommittee was able to develop data that show what the average course load is for students before the drop deadline and then after it. She pointed out that there is a difference in students over-enrolling in courses—commonly called "shopping" courses—and students dropping courses in which they are not doing well.

Prof. Jacobs answered that the report does not reveal that level of detail. In answer to a question from Prof. Garg, he added that the subcommittee may not be able to retrieve data easily from the pre-Banner system. With Banner, though, this kind of information will be easy to track in future years.

Dr. Pace confirmed that identifying the date of course drops is the piece of information that did not carry over from one system to the other.

There being no further business, Fr. Jenkins adjourned the meeting at 3:35 p.m.

Research

Awards and Proposal Summary

07/01/2007 to 07/31/2007

Awards Received

Category	No.	Amount
Research	25	$18,582,670
Total:	**25**	**$18,582,670**

Proposals Submitted

Category	No.	Amount
Research	72	$31,415,521
Instructional Programs	2	$524,998
Total:	**74**	**$31,940,519**

July 2007 Cumulative summary

Awards Received

	07.01.2005 - 07.31.2005		07.01.2006 - 07.31.2006		07.01.2007 - 07.31.2007	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	33	$9,031,981	49	$5,764,163	25	$18,582,670
Facilities and Equipment						
Instructional Programs						
Other Programs						
Service Programs						
Total:	**33**	**$9,031,981**	**49**	**$5,764,163**	**25**	**$18,582,670**

Proposals Submitted

	07.01.2005 - 07.31.2005		07.01.2006 - 07.31.2006		07.01.2007 - 07.31.2007	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	45	$16,841,876	60	$18,654,947	72	$31,415,521
Facilities and Equipment						
Instructional Programs			1	$20,000	2	$524,998
Other Programs						
Service Programs						
Total:	**45**	**$16,841,876**	**61**	**$18,674,947**	**74**	**$31,940,519**

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 Jul-01-2007 to Jul-31-2007

Investigator(s)	Title	Sponsor	Dollars	Months
Awards for Research				
Department or Office: Aerospace and Mechanical Engineering				
Renaud, John E. (Center or Institute) Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	$11,000	36
Department or Office: Biological Sciences				
Adams, John H.(Center or Institute)	Immunological Characterization of the P.vivax DBP	National Institutes of Health	$585,453	48
Collins, Frank H. Madey, Gregory R. (Computer Science and Engineering) (Center or Institute)	Malaria Monitoring and Control Consortium *(Also reported under Computer Science and Engineering)*	Private Foundation	$15,025,550	60
Feder, Jeffrey L. Besansky, Nora J. Lodge, David M. Lamberti, Gary A. Fuentes, Agustin	IGERT: Global Linkage of Biology, Environment, and Society (GLOBES)	National Science Foundation	$644,503	59
Ferdig, Michael T. (Center or Institute)	Copy Number Variation in Malaria Parasites	Southwest Research Institute	$113,418	11
Department or Office: Chemical and Biomolecular Engineering				
Mukasyan, Alexander S.	Fundamental Mechanisms of Reactive Materials Response Under Extreme Mechanical Stimulation	Purdue University	$195,900	20
Zhu, Yingxi E.	Water-Immersed Polymer Interfaces and the Role of their Materials Properties on Biolubrication	Department of Energy	$95,859	48
Zhu, Yingxi E. (Center or Institute)	Investigating the Dynamics of Confined Colloidal Thin Films by a Novel Confocal Micron-Gap Rheometer	National Science Foundation	$207,605	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Chemistry and Biochemistry				
Castellino, Francis J. (Center or Institute)	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	$355,568	36
Department or Office: Civil Engineering and Geological Sciences				
Burns, Peter C.	Topological Structural Relationships, Properties, and Nano-structures	Department of Energy	$135,000	36
Burns, Peter C.	Impact of Uranyl Alteration Phases of Spent Fuel on Mobility of Np in Yucca Mountain	Department of Energy	$160,000	24
Neal, Clive R.	The Geochemical Evolution of the Moon& Stars: A Crystal Stratigraphy Approach	National Aeronautics and Space Administration	$64,000	24
Department or Office: Computer Science and Engineering				
Chawla, Nitesh V.Thain, Douglas L.	CSR-AES: Troubleshooting Large Scale Computing Grids with Machine Learning Techniques	National Science Foundation	$29,999	12
Collins, Frank H. Madey, Gregory R. (Center or Institute)	Malaria Monitoring and Control Consortium *(Also reported under Biological Sciences)*	Private Foundation	$15,025,550	60
Uhran, John J.	On Engineering Education: The Role of the First Year	National Science Foundation	$17,875	15
Department or Office: Electrical Engineering				
Fay, Patrick J. (Center or Institute)	Advanced Sensors for Millimeter-Wave Detection and Imaging	National Science Foundation	$25,000	24
Fay, Patrick J. (Center or Institute)	Advanced Sensors for Millimeter-Wave Detection and Imaging	National Science Foundation	$129,000	24
Seabaugh, Alan C.	Low Subthreshold-Swing Tunnel Transistors	National Institute Standards & Technology	$30,610	36
Department or Office: Mathematics				

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

Investigator(s)	Title	Sponsor	Dollars	Months
Stolz, Stephan A.	Field Theories and Elliptic Cohomology	National Science Foundation	$187,999	36
Department or Office: Philosophy				
Brading, Katherine A.	Structuralist Approaches to Physics	National Science Foundation	$75,957	14
Department or Office: Physics				
Aprahamian, Ani	Intergovernmental Personnel Act (IPA)Assignment	National Science Foundation	$189,349	12
Lamm, Larry O. (Center or Institute) Stech, Edward J.	PIXE Analysis of Copper Samples	Department of Army	$5,000	3
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin (Center or Institute) Afanasjevs, Anatolijs	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	$180,000	36
Department or Office: Political Science				
O'Donnell, Guillermo A.(Center or Institute)	Residential Fellowship at Oxford	University of Oxford	$109,926	10
Department or Office: Psychology				
Merluzzi, Thomas V.	Weighing Domains of Quality of Life	Corporate Funding	$5,599	24
Department or Office: Robinson Community Learning Center				
Tomas Morgan, Peter L.	Youth Justice Project	Private Foundation	$2,500	1

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

Investigator(s)	Title	Sponsor	Dollars	Months
Proposals for Research				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C. Nelson, Robert C.	Plasma Aerodynamic Control Effectors for Improved Wind Turbine Performance	Corporate Funding	$20,250	6
Corke, Thomas C. Thomas, Flint O. Nelson, Robert C. Dunn, Patrick F. Jumper, Eric J. Morris, Scott C.	Wind Tunnel for Airbourne Platform Laser and Flight Control Research	Department of the Air Force	$56,286	12
Corke, Thomas C. Matlis, Eric H.	Plasma Bumps for Cross-Flow Turbulent Transition Prediction and Control.	National Aeronautics and Space Administration	$544,206	36
Goodwine, John W.	Adaptive Supervisory Resilient Aircraft Control	National Aeronautics and Space Administration	$398,347	36
Renaud, John E. Tomar, Vikas	Collaborative Research: Petascale Computing Paradigms for Robust Optimal Design.	Virginia Polytechnic Institute and State University	$319,868	36
Tomar, Vikas	CAREER: Integrated Research and Education in Computationally Evaluating Hierarchical Fracture Mechanisms in Trabecular Bone with an Account of the ...	National Science Foundation	$552,827	60
Tomar, Vikas	Nanoscale Grain Boundary Reinforcement Based Design and Analyses of SIC-Si3N4 Nanocomposites.	National Aeronautics and Space Administration	$513,249	36
Department or Office:	Anthropology			
Schurr, Mark R.	RUI-Reinvestigation of the Colonial Period Maya @ Tipu Collection Using DNA and Fluoride Analysis.	National Science Foundation	$9,690	36
Department or Office:	Biological Sciences			
Chaloner, Dominic T. Lamberti, Gary A.	Pollutant Transport by Introduced Pacific Salmon in the Great Lakes: Implications for Watershed Management and Water Quality.	Private Foundation	$203,425	24
D'Souza-Schorey, Crislyn	Molecular Mechanisms of Cell Invasion	National Institutes of Health	$225,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Duman, John G.	Feasibility of Unfrozen Subzero Storage of Mammalian Tissues with Insect Antifreeze	National Institutes of Health	$30,000	6
Ferdig, Michael T.	High-resolution Hybridization-based Genotyping in Plasmodium Falciparum.	National Institutes of Health	$222,500	12
Hager, Kristin M.	Secreted Virulence Factors in Toxoplasma Gondii	American Heart Association	$132,000	24
Hinchcliffe, Edward H.	Mechanisms of Centrosome Reproduction in Animal Cells.	National Institutes of Health	$264,240	12
Johnson, Alan L.	Cellular Determinants of Granulosa Cell Differentiation in Avian Follicles	National Science Foundation	$550,902	36
Ramalho-Ortigao, Jose Marcelo McDowell, Mary A.	P. Papatasi Midgut Molecules: Gene Function and Assessing TBV Candidates	National Institutes of Health	$331,500	12
Romero-Severson, Jeanne Madey, Gregory R.	Alteration of Fitness Landscapes Thru Interspecific Hybridization & Epidemic Exotic Disease: Japanese Heartnut, American Butternut & Butternut Canker	National Science Foundation	$1,605,574	36
Suckow, Mark A.	Development of an ECM-Based Cancer Vaccine	Corporate Funding	$100,001	4
Vaughan, Kevin T.	A Novel Role for Alternative Splicing of Neuronal Dynein Transcripts	American Heart Association	$132,000	24
Department or Office:	Chemical and Biomolecular Engineering			
Bohn, Paul W.	Center for Advanced Materials for Water Purification with Systems.	University of Illinois-Urbana-Champaign	$6,200	15
Chang, Hsueh-Chia	Dielectrophoresis of Nano-Colloids: Designing a Microfluidic Platform for High-Throughput Massively Parallel Biomolecular Screening	National Science Foundation	$291,956	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
McGinn, Paul J.	Combinatorial Screening of Proton Conductors for Intermediate Temperature Fuel Cells.	Corporate Funding	$50,000	12
Zhu, Yingxi E.	CAREER: Molecular Design of Tunable Biomimetic Hydorgel Thin Films	National Science Foundation	$429,833	60
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	Physical Basis for T Cell Receptor Binding and Activity	University of California, Riverside	$349,943	12
Castellino, Francis J.	The Role of PC Signaling in Inflammation-associated Colon Cancer in Vivo.	American Heart Association	$52,000	24
Clark, Patricia L.	Influence of Translation on Protein Folding	National Institutes of Health	$280,261	12
Corcelli, Steven A.	CAREER: Computational Spectroscopy of C-D Vibrational Probes in Proteins	National Science Foundation	$590,005	60
Goodson, Holly V. Gupta, Kamlesh K.	Interactions Between EB1, Tubulin, and Microtubules: Implications for EB1Function.	American Heart Association	$55,155	24
Helquist, Paul Wiest, Olaf G.	Automated Design and Experimental Screening of Chiral Catalysts	National Science Foundation	$536,652	36
Helquist, Paul	Computational Design, Virtual Screening and Experimental Validation of Chiral Catalysts.	American Chemical Society	$150,000	36
Lay, Angelina J.	Understanding the Role of Protein C in LPS-induced Endotoxemia.	American Heart Association	$214,500	36
Lay, Angelina J.	Understanding the Role of Protein C in LPS-induced Endotoxemia	American Heart Association	$308,000	48
Peng, Jeffrey W.	Functional Motions in Modular Signaling Proteins	National Institutes of Health	$296,000	12
Smith, Bradley D.	Assembly of Near-IR Fluorescent Nanostructures with Emergent Properties.	National Science Foundation	$474,717	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Taylor, Richard E.	Synthesis and Biosynthesis of Polyketide Pyran Fragments	National Science Foundation	$760,067	48
Taylor, Richard E.	Supplement to "Conformation-Activity Relationships".	National Institutes of Health	$20,326	12
Department or Office:	Civil Engineering and Geological Sciences			
Kareem, Ahsan Kijewski-Correa, Tracy L.	Monitoring of JHC Antenna Mast	John Hancock Center	$5,000	24
Nerenberg, Robert	CAREER: Microbial Fuel Cells for Sustainable BOD and Nitrogen Removal.	National Science Foundation	$400,000	60
Nerenberg, Robert	Improved Centrate Treatment Via Membrane Aeration, Annamox & MBR	Private Foundation	$139,504	24
Westerink, Joannes J.	Collaborative Research: NSF PetaApps Storm Surge Modeling on Petascale Computers.	National Science Foundation	$503,809	48
Department or Office:	Computer Science & Engineering			
Bowyer, Kevin W. Flynn, Patrick J.	CISE Research Resources: Instrumentation for Multidimensional Imaging and Applications.	National Science Foundation	$400,000	12
Bowyer, Kevin W.	Generating Lockmarks for Petascale Simulations	University of South Florida	$173,993	60
Chaudhary, Amitabh	CARREER: Restrained Adversaries in Online Computation.	National Science Foundation	$409,223	60
Chawla, Nitesh V.	CAREER: From Learning to Knowledge Discovery to Action in (Class and Feature) Distribution Varying Scenarios.	National Science Foundation	$505,580	60
Chawla, Nitesh V.	PredatorDetector: Comprehensively and Actively Managing Risk Posited by Sex Offenders.	National Institute of Justice	$275,797	36
Flynn, Patrick J. Bowyer, Kevin W.	Characterizing 3D Face Data, Sensors, and Collection Procedures - Phase 3	Corporate Funding	$90,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Poellabauer, Christian	Agile Sensing and Networking in Tactical Environments	Department of the Air Force	$348,080	36
Department or Office:	Electrical Engineering			
Fay, Patrick J.	Advanced Lift Off Technology for Low Cost III-V Manufacturing.	Corporate Funding	$150,000	24
Porod, Wolfgang Bernstein, Gary H.	Nano-antenna Based Color Infrared Imaging Systems.	Department of the Air Force	$300,000	36
Seabaugh, Alan C. Kosel, Thomas H. Xing, Huili Fay, Patrick J.	Low-Subthreshold-Swing Tunnel Transistor Technology	DARPA	$12,336,708	60
Department or Office:	History			
Murray, Dian H.	Establishment of Endowed Professor of Korean Studies	Private Foundation	$1,500,000	12
Department or Office:	Institute for Latino Studies			
Richman, Karen E.	Mexican Migration, Remittances and Development: From Research to Policy.	Private Foundation	$104,902	24
Department or Office:	Mathematics			
Alber, Mark S. Goodson, Holly V.	Computational and Experimental Study of Microtubule Dynamics and Its Regulation by Binding Proteins.	National Science Foundation	$631,742	36
Department or Office:	Philosophy			
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$40,000	15
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$20,000	15
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$40,000	15
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$20,000	15
Department or Office:	Physics			
Barabasi, Albert-Laszlo	Integrated Antimicrobial Drug Discovery Scheme for Multidrug Resistant Bacteria	University of Pittsburgh	$143,115	12
Eskildsen, Morten R.	Joint ND/Argonne Graduate Student RA (Ruobing Xie)	Argonne National Laboratory	$33,768	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Eskildsen, Morten R.	Joint ND/Argonne Graduate Student RA (Ruobing Xie)	Argonne National Laboratory	$33,768	12
Janko, Boldizsar	Nanoscale Hybrid Material	Argonne National Laboratory	$86,964	5
Sapirstein, Jonathan R.	Weak and Electromagnetic Radiative Corrections in Atomic Physics	National Science Foundation	$139,616	36
Wayne, Mitchell R.	Jadwiga Warchol Salary and Benefits	Fermi National Laboratory	$45,286	6
Wiescher, Michael C.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$86,250	12
Department or Office:	Political Science			
Hui, Tin-bor V.	China's Rise in Comparative Historical Perspective: Rethinking Unification and War.	Fulbright Program	$105,131	10
Javeline, Debra	Political Responses to Violence: Citizen Participation after Beslan	National Science Foundation	$230,815	24
Rosato, Sebastian	Balancing Act: the Power Politics of European Integration.	Private Foundation	$27,458	12
Department or Office:	Preprofessional Studies			
Navari, Rudolph M.	Walther Cancer Research Center at Notre Dame	Walther Cancer Institute	$442,000	
Department or Office:	Psychology			
Crowell, Charles R. Villano, Michael A.	Collaborative Project: Temporal Dynamics of Perception and Action in Facial Expressions.	National Science Foundation	$338,169	36
Gibson, Bradley S.	Collaborative Research: Symbolic Control of Visual Selective Attention	National Science Foundation	$223,863	36
Department or Office:	Radiation Laboratory			
Mozumder, Asokendu	Electron States and Interactions in Condensed Media	Council International Exchange Scholars	$0	10
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten Comic Book, 2nd Edition	Private Foundation	$7,500	8

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

Investigator(s)	Title	Sponsor	Dollars	Months
Proposals for Instructional Programs				
Department or Office:	Electrical Engineering			
Fay, Patrick J.	NCMR Scholars Supplemental Funding Request	National Science Foundation	$25,000	12
Porod, Wolfgang Hahn, Alexander J.	Notre Dame RET Site in Engineering	National Science Foundation	$499,998	36

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 07/31/2007

Awards Received

Department or Office	No.	Amount
Center for Astrophysics	1	$180,000
Center for Flow Physics and Control	1	$11,000
Center for Global Health and Infectious Diseases	3	$15,724,421
Center for Microfluidics and Medical Diagnostics	1	$207,605
Center for Transgene Research	1	$355,568
Kellogg Institute for International Studies	1	$109,926
Nano Science and Technology Center	2	$154,000
Nuclear Structure Laboratory	1	$5,000
Total:	**11**	**$16,747,520**

Proposals Submitted

Department or Office	No.	Amount
Center for Aquatic Conservation	1	$203,425
Center for Complex Network Research	1	$143,115
Center for Flow Physics and Control	3	$620,742
Center for Global Health and Infectious Diseases	4	$2,291,574
Center for Microfluidics and Medical Diagnostics	2	$721,789
Center for Philosophy of Religion	4	$120,000
Center for Transgene Research	3	$574,500
Center for Zebrafish Research	2	$396,240
East Asian Languages and Literatures	1	$1,500,000
Freimann Life Science Center	1	$100,001
Institute for Latino Studies	1	$104,902
Institute for Theoretical Sciences	1	$86,964
Joint Institute for Nuclear Astrophysics	1	$86,250
ND Energy Center	1	$50,000
Nano Science and Technology Center	4	$974,998
Radiation Laboratory	1	$0
Robinson Community Learning Center	1	$7,500
Walther Cancer Research Center	2	$667,000
Total:	**34**	**$8,649,000**

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 07/31/2007

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ND Energy Center	1	$50,000
Nano Science and Technology Center	4	$974,998
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Walther Cancer Research Center	2	$667,000
Total:	**34**	**$8,649,000**

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Awards for Research				
Department or Office: Center for Astrophysics				
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin (Center or Institute) Afanasjevs, Anatolijs	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	$180,000	004518-001
Department or Office: Center for Flow Physics and Control				
Renaud, John E. (Center or Institute) Tomar, Vikas	Multiscale Design Tool Development for High Performance Nanocomposites	National Science Foundation	$11,000	007047-001
Department or Office: Center for Global Health and Infectious Diseases				
Ferdig, Michael T. (Center or Institute)	Copy Number Variation in Malaria Parasites	Southwest Research Institute	$113,418	007173-001
Collins, Frank H. Madey, Gregory R. (Center or Institute)	Malaria Monitoring and Control Consortium	Private Foundation	$15,025,550	007160-001
Adams, John H. (Center or Institute)	Immunological Characterization of the P.vivax DBP	National Institutes of Health	$585,453	006878-001
Department or Office: Center for Microfluidics and Medical Diagnostics				
Zhu, Yingxi E. (Center or Institute)	Investigating the Dynamics of Confined Colloidal Thin Films by a Novel Confocal Micron-Gap Rheometer	National Science Foundation	$207,605	007163-001
Department or Office: Center for Transgene Research				
Castellino, Francis J. (Center or Institute)	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	$355,568	006530-001
Department or Office: Kellogg Institute for International Studies				
O'Donnell, Guillermo A. (Center or Institute)	Residential Fellowship at Oxford	University of Oxford	$109,926	007161-001
Department or Office: Nano Science and Technology Center				
Fay, Patrick J. (Center or Institute)	Advanced Sensors for Millimeter-Wave Detection and Imaging	National Science Foundation	$129,000	006919-001
Fay, Patrick J. (Center or Institute)	Advanced Sensors for Millimeter-Wave Detection and Imaging	National Science Foundation	$25,000	006919-001

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nuclear Structure Laboratory				
Lamm, Larry O. (Center or Institute) Stech, Edward J.	PIXE Analysis of Copper Samples	Department of Army	$5,000	007174-001

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Proposals for Research				
Department or Office:	Center for Aquatic Conservation			
Chaloner, Dominic T. Lamberti, Gary A.	Pollutant Transport by Introduced Pacific Salmon in the Great Lakes: Implications for Watershed Management and Water Quality	Private Foundation	$203,425	08010046
Department or Office:	Center for Complex Network Research			
Barabasi, Albert-Laszlo	Integrated Antimicrobial Drug Discovery Scheme for Multidrug Resistant Bacteria	University of Pittsburgh	$143,115	08010064
Department or Office:	Center for Flow Physics and Control			
Corke, Thomas C. Matlis, Eric H.	Plasma Bumps for Cross-Flow Turbulent Transition Prediction and Control.	National Aeronautics and Space Administration	$544,206	08010034
Corke, Thomas C. Thomas, Flint O. Nelson, Robert C. Dunn, Patrick F. Jumper, Eric J. Morris, Scott C.	Wind Tunnel for Airbourne Platform Laser and Flight Control Research	Department of the Air Force	$56,286	08010011
Corke, Thomas C. Nelson, Robert C.	Plasma Aerodynamic Control Effectors for Improved Wind Turbine Performance	Corporate Funding	$20,250	08010042
Department or Office:	Center for Global Health and Infectious Diseases			
Ramalho-Ortigao, Jose Marcelo McDowell, Mary A.	P. Papatasi Midgut Molecules: Gene Function and Assessing TBV Candidates	National Institutes of Health	$331,500	08010001
Ferdig, Michael T.	High-resolution Hybridization-based Genotyping in Plasmodium Falciparum.	National Institutes of Health	$222,500	08010031
Romero-Severson, Jeanne Madey, Gregory R.	Alteration of Fitness Landscapes Thru Interspecific Hybridization & Epidemic Exotic Disease: Japanese Heartnut, American Butternut & Butternut Canker	National Science Foundation	$1,605,574	08010012
Hager, Kristin M.	Secreted Virulence Factors in Toxoplasma Gondii	American Heart Association	$132,000	08010025

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Zhu, Yingxi E.	CAREER: Molecular Design of Tunable Biomimetic Hydorgel Thin Films	National Science Foundation	$429,833	08010041
Chang, Hsueh-Chia	Dielectrophoresis of Nano-Colloids: Designing a Microfluidic Platform for High-Throughput Massively Parallel Biomolecular Screening	National Science Foundation	$291,956	08010076
Department or Office:	Center for Philosophy of Religion			
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$40,000	08010019
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$20,000	08010018
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$40,000	08010016
Flint, Thomas P.	Science, Philosophy and Belief	Calvin College	$20,000	08010017
Department or Office:	Center for Transgene Research			
Lay, Angelina J.	Understanding the Role of Protein C in LPS-induced Endotoxemia	American Heart Association	$308,000	08010033
Castellino, Francis J.	The Role of PC Signaling in Inflammation-associated Colon Cancer in Vivo.	American Heart Association	$52,000	08010032
Lay, Angelina J.	Understanding the Role of Protein C in LPS-induced Endotoxemia.	American Heart Association	$214,500	08010030
Department or Office:	Center for Zebrafish Research			
Hinchcliffe, Edward H.	Mechanisms of Centrosome Reproduction in Animal Cells.	National Institutes of Health	$264,240	08010006
Vaughan, Kevin T.	A Novel Role for Alternative Splicing of Neuronal Dynein Transcripts	American Heart Association	$132,000	08010039
Department or Office:	East Asian Languages and Literatures			
Murray, Dian H.	Establishment of Endowed Professor of Korean Studies	Private Foundation	$1,500,000	08010065

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Development of an ECM-Based Cancer Vaccine	Corporate Funding	$100,001	08010073
Department or Office:	Institute for Latino Studies			
Richman, Karen E.	Mexican Migration, Remittances and Development: From Research to Policy.	Private Foundation	$104,902	08010045
Department or Office:	Institute for Theoretical Sciences			
Janko, Boldizsar	Nanoscale Hybrid Material	Argonne National Laboratory	$86,964	08010058
Department or Office:	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$86,250	08010057
Department or Office:	ND Energy Center			
McGinn, Paul J.	Combinatorial Screening of Proton Conductors for Intermediate Temperature Fuel Cells.	Corporate Funding	$50,000	08010051
Department or Office:	Nano Science and Technology Center			
Fay, Patrick J.	Advanced Lift Off Technology for Low Cost III-V Manufacturing.	Corporate Funding	$150,000	08010074
Porod, Wolfgang Bernstein, Gary H.	Nano-antenna Based Color Infrared Imaging Systems.	Department of the Air Force	$300,000	08010077
Department or Office:	Radiation Laboratory			
Mozumder, Asokendu	Electron States and Interactions in Condensed Media	Council International Exchange Scholars	$0	08010062
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten Comic Book, 2nd Edition	Private Foundation	$7,500	08010003
Department or Office:	Walther Cancer Research Center			
D'Souza-Schorey, Crislyn	Molecular Mechanisms of Cell Invasion	National Institutes of Health	$225,000	08010007
Navari, Rudolph M.	Walther Cancer Research Center at Notre Dame	Walther Cancer Institute	$442,000	08010072

Proposals for Instructional Programs

Department or Office:	Nano Science and Technology Center			
Fay, Patrick J.	NCMR Scholars Supplemental Funding Request	National Science Foundation	$25,000	08010066

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Porod, Wolfgang Hahn, Alexander J.	Notre Dame RET Site in Engineering	National Science Foundation	$499,998	08010010

Awards and Proposal Summary

08/01/2007 to 08/31/2007

Awards Received

Category	No.	Amount
Research	45	$7,275,823
Total:	**45**	**$7,275,823**

Proposals Submitted

Category	No.	Amount
Research	40	$21,234,919
Instructional Programs	5	$385,500

August 2007 Cumulative summary

Awards Received

	07.01.2005 - 08.31.2005		07.01.2006 - 08.31.2006		07.01.2007 - 08.31.2007	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	82	$17,848,113	103	$18,796,307	70	$25,858,493
Facilities and Equipment						
Instructional Programs			2	$559,216		
Other Programs						
Service Programs						
Total:	**82**	**$17,848,113**	**105**	**$19,355,523**	**70**	**$25,858,493**

Proposals Submitted

	07.01.2005 - 08.31.2005		07.01.2006 - 08.31.2006		07.01.2007 - 08.31.2007	
Category	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**
Research	84	$26,031,581	101	$31,076,010	111	$52,616,672
Facilities and Equipment						
Instructional Programs			4	$194,100	7	$910,498
Other Programs	1	$5,000				
Service Programs						
Total:	**85**	**$26,036,581**	**105**	**$31,270,110**	**118**	**$53,527,170**

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

Investigator(s)	Title	Sponsor	Dollars	Months
Awards for Research				
Department or Office: Aerospace and Mechanical Engineering				
Batill, Stephen M.	Infrastructure Upgrade: Enhancements to Undergraduate Solid Mechanics Laboratory Equipment.	Daimler Chrysler	$10,000	10
Corke, Thomas C. Nelson, Robert C. (Center or Institute)	Plasma Aerodynamic Control Effectors for Improved Wind Turbine Performance	Orbital Research, Inc.	$20,250	7
Dunn, Patrick F. Brach, Raymond M. (Center or Institute)	Tobacco-Smoke-Mater Exposure via Indirect Pathways	Phillip Morris	$184,129	24
Ovaert, Timothy C.	Nanoindentation Study H4Z-MC-GJAD	Eli Lilly Company	$60,300	24
Thomas, Flint O. Corke, Thomas C. Wang, Meng	Noise Reduction Concepts for Hybrid Wing/Body Systems Using Dilelectric Barrier Discharge Plasma Actuators.	National Aeronautics and Space Administration	$164,132	12
Department or Office: Biological Sciences				
Boyd, Sunny K. (Center or Institute)	Comutational Models for Neuroendocrine Control of Social Behavior	National Science Foundation	$169,998	48
Ferdig, Michael T. (Center or Institute)	Transcriptional Network Analysis in Malaria Parasites	National Institutes of Health	$40,972	12
Hellmann, Jessica J. McLachlan, Jason S.	Collaborative Research: Interdisciplinary Workshop on Assisted Migration	National Science Foundation	$14,950	17

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

Investigator(s)	Title	Sponsor	Dollars	Months
Hollocher, Hope (Center or Institute) Fuentes, Agustin	The Impact of Population Structure on Pathogen Transmission in Balinese Macaques	National Science Foundation	$50,000	23
Suckow, Mark A. (Center or Institute)	Development of an ECM-Based Cancer Vaccine	Cook Biotech, Inc.	$100,000	19
Department or Office: Chemical and Biomolecular Engineering				
Maginn, Edward J.	GOALI - Atomistic Simulations of the Physical Properties and Phase Behavior of Ionic Liquid/Gas Mixtures	National Science Foundation	$109,321	24
Palmer, Andre F.	Enhanced O2 Delivery to C3A Hepatocytes	National Institutes of Health	$193,715	24
Schneider, William F.	Collaborative Research: Predictive Modeling of Surface Catalysis with Multiple Adsorbate Species	National Science Foundation	$96,273	36
Zhu, Yingxi E. (Center or Institute)	Water-immersed Polymer Interfaces and the Role of Their Interfacial Properties on Biolubrication	National Science Foundation	$12,000	24
Department or Office: Chemistry and Biochemistry				
Clark, Patricia L.	Influence of Translation on Protein Folding	National Institutes of Health	$265,738	12
Goodson, Holly V. (Center or Institute)	Interactions Between CLIP-170 and tubulin	National Institutes of Health	$346,252	12
Henderson, Kenneth W.	Development of s-Block Organometallic Reagents	National Science Foundation	$141,000	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Krchnak, Viktor	Diversity-oriented combinatorial synthesis of bisheterocyclic libraries	National Institutes of Health	$182,063	12
Scheidt, W. Robert	X-Ray and Chemical Studies of Metalloporphyrins	National Institutes of Health	$320,011	12
Department or Office: Civil Engineering and Geological Sciences				
Fein, Jeremy B. Burns, Peter C.	Thermodynamic Properties of Uranly Minerals	Argonne National Laboratory	$75,000	35
Department or Office: College of Engineering				
Dunn, Robert M. (Center or Institute)	SolarShade	National Collegiate Inventors & Innovators Alliance	$14,700	14
Department or Office: Computer Science & Engineering				
Brockman, Jay B. Barabasi, Albert-Laszlo Kogge, Peter M. Chawla, Nitesh V.	Collaborative Research: CRI:IAD: Development of a Research Infrastructure for the Multithreaded Computing Community Using the Cray Eldorado Platform	National Science Foundation	$110,000	60
Flynn, Patrick J. Bowyer, Kevin W.	Characterizing 3D Face Data, Sensors, and Collection Procedures	Unisys Corporation	$90,000	16
Department or Office: Electrical Engineering				
Fuja, Thomas E. Costello, Daniel J. Laneman, J. N.	Coding/Routing Interaction in Mesh Networks	Motorola	$23,400	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Lemmon, Michael D. Hu, Xiaobo	CSR-EHS: Integrating Decentralized Control and Real-Time Scheduling for Network Dynamical Systems.	National Science Foundation	$100,000	36
Merz, James L. Mintairov, Alexander (Center or Institute)	Electrically Driven Quantum Dot Single Photon Sources for Data Encryption	North Atlantic Treaty Organization	$14,740	36
Department or Office: George & Winifred Clark II (Chemistry)				
Miller, Marvin J. Krchnak, Viktor	Novel Derivatization/Function of Natural Products	National Institutes of Health	$319,817	12
Department or Office: Mathematics				
Alber, Mark S.	AMS-SS: Multiscale Stochastic Model of Myxobacteria Dynamics	National Science Foundation	$199,999	36
Faybusovich, Leonid	Algebra and Geometric Aspects of Optimization	National Science Foundation	$139,724	36
Sommese, Andrew J. (Center or Institute) Wampler, Charles W.	Numerical Algebraic Geometry: Computation of Exceptional Parameter Values	National Science Foundation	$120,000	36
Department or Office: Philosophy				
Howard, Don A.	Scientific Philosophy: Its Origins and Development, 1850 to 1950.	National Science Foundation	$90,695	7
Shrader-Frechette, Kristin	Scholars Award: Three Methodological Rules in Risk Management	National Science Foundation	$52,382	24

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Physics				
Bigi, Ikaros I.	Subtle Tests of the Standard Model & Probes for New Physics	National Science Foundation	$22,500	39
Eskildsen, Morten R.	Joint ND/Argonne Graduate Student RA (Ruobing Xie)	Argonne National Laboratory	$30,744	13
Lehner, Nicolas (Center or Institute) Howk, Jay C.	Highly Ionized Plasma in the Milky Way: A Benchmark for Feedback Studies in the Universe.	Space Telescope Science Institute	$48,000	24
Wiescher, Michael C. Garg, Umesh (Center or Institute) Collon, Philippe A.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$86,250	36
Department or Office: Political Science				
Coppedge, Michael J.	Doctoral Dissertation Research in Political Science: Measuring and Explaining Differences in Subnational Democracy in the Argentine Provinces.	National Science Foundation	$11,905	12
Department or Office: Preprofessional Studies				
Navari, Rudolph M. (Center or Institute)	Walther Cancer Research Center at Notre Dame.	Walther Cancer Institute	$138,809	12
Navari, Rudolph M. (Center or Institute)	Walther Cancer Research Center at Notre Dame	Walther Cancer Institute	$442,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Bergeman, Cindy S. Boker, Steven M. Maxwell, Scott E. Ong, Anthony Lubke, Gitta Chow, Sy Miin	Notre Dame Study of Resiliency in Later Life	National Institutes of Health	$583,037	12
Bergeman, Cindy S. Boker, Steven M. Maxwell, Scott E. Ong, Anthony Lubke, Gitta Chow, Sy Miin	Notre Dame Study of Resiliency in Later Life	National Institutes of Health	$307,500	0
Borkowski, John G. (Center or Institute) Maxwell, Scott E.	Neglect in High-Risk Mothers	National Institutes of Health	$1,640,117	12
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	Education for Nonviolent Classrooms: A Take Ten Teacher Manual.	Jessie Ball DuPont Fund	$40,000	12
Department or Office: Sociology				
Sikkink, David H.	Portrait of American Life-Teen Study	Calvin College	$63,400	24
Department or Office: William J. Hank Family Chair				
Dwyer, William G.	Travel Grant for International Conference on Algebraic Topology	National Science Foundation	$30,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Proposals for Research				
Department or Office:	Aerospace and Mechanical Engineering			
Jumper, Eric J. Cavalieri, David	High-Speed CCD Camera and Data Logger to Facilitate High-Frame-Rate	Department of Navy	$103,234	12
Jumper, Eric J. Cavalieri, David	Directed Energy Beam Improvement-Binary Control for Advanced Tactical Laser (DEBI-BATL)	The Boeing Company	$137,675	60
Jumper, Eric J. Cavalieri, David	MEMS-based Aero-optics Simulator System (MASS)	AgilOptics, Inc	$150,002	24
Morris, Scott C. Cameron, Joshua D.	Aerodynamic Damping and Forced Response Measurements on a Transonic Compressor Blisk.	Duke University	$355,970	48
Ovaert, Timothy C.	Nanoindentation Study H4Z-MC-GJAD	Eli Lilly Company	$60,300	24
Schmid, Steven R.	Elastohyrodynamic Lubrication with Electrorheological Fluids	Ohio State University	$230,997	12
Wagner, Diane R. Ovaert, Timothy C.	The Influence of Collagen Crosslinking on the Wear Resistance of Cartilage.	The Aircast Foundation	$97,001	24

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

Investigator(s)	Title	Sponsor	Dollars	Months
Wang, Meng Morris, Scott C. Atassi, Hafiz M.	A High-Performance-Compu Cluster for Hydroacoustics and Turbulence Research	Department of Navy	$131,798	12
Wang, Meng Corke, Thomas C.	Numerical and Experimental Investigation of Plasma-Based Flow Control.	Department of the Air Force	$529,659	36
Department or Office:	African/African-American Studies			
Pinderhughes, Dianne M.	Gender and Multicultural Leadership Project: The Future of Governance	University of New Mexico	$17,270	10
Department or Office:	Biological Sciences			
Chari, Vandhana M.	Mechanism of Protease Release in Melanoma	Melanoma Research Foundation	$100,000	24
McLachlan, Jason S.	Assisted Migration: Evaluating a New Strategy for Species Conservation	Brown University	$45,883	24
Department or Office:	Chemical and Biomolecular Engineering			
Maginn, Edward J.	Acquisition of a Mid-Range Computational Facility for Design of New Materials by Multi-Scale Modeling.	Iowa State University	$0	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Schneider, William F.	First-principles Simulation of Aqueous NDMA Reducation at Metal Surfaces	National Science Foundation	$60,000	12
Department or Office:	Chemistry and Biochemistry			
Corcelli, Steven A.	Ca-D2 Labeled Glycine as a Local Vibrational Probe of Protein Backbone Conformation.	Research Corporation	$100,000	36
Corcelli, Steven A.	Solvation Dynamics of a DNA/Drug Complex Using Classical and Hybrid Qm/MM Methods.	Health & Human Services	$0	36
DuBois, Jennifer	Cloning Expression and Characterization of Chlorite Dismutase from Dechloromonas Aromatic ...	Environmental Protection Agency	$29,242	36
Kandel, S. A.	Creating Multicomponent Monolayers with Kinetically Constrained Self Assembly	ACS Petroleum Research Fund	$100,000	24
Department or Office:	Computer Science & Engineering			
Madey, Gregory R.	CRI: CRD Data Archive & Collaboratory for Research on Open Source Software Development.	National Science Foundation	$300,023	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Madey, Gregory R.	CRI: CRD Project Ensayo: A Virtual EOC for Research, Training and Discovery in Disaster Management.	National Science Foundation	$490,333	36
Poellabauer, Christian Striegel, Aaron Laneman, J. N.	NDMesh: A Test Bed for Experimental Research and Education on Wireless Mess Networks	Department of the Air Force	$259,873	12
Poellabauer, Christian Striegel, Aaron Laneman, J. N.	NDMesh: A Test Bed for Experimental Research and Education on Wireless Mess Networks	Department of Army	$259,873	12
Poellabauer, Christian Striegel, Aaron Laneman, J. N.	NDMesh: A Test Bed for Experimental Research and Education on Wireless Mesh Networks	Department of Navy	$259,873	12
Striegel, Aaron	DARPA CSSG: Making Data Context a First Class Field.	DARPA	$88,146	12
Department or Office:	Economics and Econometrics			
Gresik, Thomas A.	Multinational Taxaition with Private Information	National Science Foundation	$198,612	36
Department or Office:	Electrical Engineering			
Jena, Debdeep Xing, Huili	Transport Characterization System for Electronic, Optical, and Multifunctional Materials and Devices	Department of Defense	$280,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Jena, Debdeep Xing, Huili	Transport Characterization System for Electronic, Optical & Multifunctional Material Design	Department of Defense	$280,000	12
Department or Office: English				
Hammill, Graham L.	Early Liberalism and the Mosaic Constitution, 1590-1674	American Council Learned Society	$40,000	11
Department or Office: Finance				
Cosimano, Thomas F. Himonas, Alex A.	Investing in Stocks and Bonds in the Long Run	Quantitative Research in Finance	$0	8
Department or Office: Institute for Latino Studies				
Richman, Karen E.	Latino Immigrants in South Bend: An Applied Research Project	The Foundation of St. Joseph Regional Medical Center	$5,000	12
Department or Office: Mathematics				
Himonas, Alex A. Cosimano, Thomas F.	Collaborative Research: Mathematical analysis of dynamic economic and financial problems	National Science Foundation	$260,133	36
Department or Office: Philosophy				
Shrader-Frechette, Kristin	Nanoethics, Risk and Informed Consent	National Science Foundation	$304,727	36
Department or Office: Physics				
Toroczkai, Zoltan	Physics of Inertial Plume Forecasting	Defense Threat Reduction Agency	$731,852	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Wiescher, Michael C.	Joint Institute for Nuclear Astrophysics	National Science Foundation	$15,134,943	60
Department or Office:	Preprofessional Studies			
Navari, Rudolph M.	Walther Cancer Research Center at Notre Dame.	Walther Cancer Institute	$0	14
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Take Ten comic Book II	Friends of Child Abuse Prevention	$7,500	0
Caponigro, Jerome V.	JYP & Youth Competency	Indiana Department of Children Services	$0	6
Department or Office:	Sociology			
Cardenas, Gilberto	Latino Community Organization Directory	The Chicago Community Trust	$25,000	5
Kelly, Sean P.	Extracurricular Activities in High School and the Recovery of Identity	American Educational Research Association	$35,000	24
Sikkink, David H.	Baylor University Project	Baylor University	$25,000	21

Proposals for Instructional Programs

Department or Office:	Alliance for Catholic Education			
Nuzzi, Ronald J. Frabutt, James M.	Renewing Leadership Mission Among ACE Leadership Candidates	Lynde & Harry Bradley Foundation	$25,000	12

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: English				
Staud, John J.	Daniels Fund	Daniels Fund	$60,000	12
Department or Office: Mathematics				
Sommese, Andrew J.	Conference on Probability and Mathematical Statistics 2007	University of North Carolina	$0	3
Department or Office: Philosophy				
Solomon, William D. Kirk, Elizabeth R.	The Family: Search for Fairest Love	Our Sunday Visitor, Inc.	$103,500	12
Department or Office: Theology				
Cavadini, John C.	Echo Faith Formation Leadership Program	Our Sunday Visitor, Inc.	$197,000	12

Awards and Proposal Summary

Centers and Institutes Report

08/01/2007 to 08/31/2007

Awards Received

Department or Office	No.	Amount
Center for Applied Mathematics	1	$120,000
Center for Astrophysics	1	$48,000
Center for Children and Families	1	$1,640,117
Center for Flow Physics and Control	2	$204,379
Center for Global Health and Infectious Diseases	2	$90,972
Center for Microfluidics and Medical Diagnostics	1	$12,000
Environmental Research Center	1	$169,998
Freimann Life Science Center	1	$100,000
Gigot Center	1	$14,700
Interdisciplinary Center for the Study of Biocomplexity	1	$346,252
Joint Institute for Nuclear Astrophysics	1	$86,250
Nano Science and Technology Center	1	$14,740
Nuclear Structure Laboratory	1	$86,250
Robinson Community Learning Center	1	$40,000
Walther Cancer Research Center	2	$580,809
Total:	**18**	**$3,554,467**

Proposals Submitted

Department or Office	No.	Amount
ACE Educational Outreach	2	$85,000
Biological Sciences	1	$45,883
Center for Educational Opportunity	1	$35,000
Center for Ethics and Culture	1	$103,500
Center for Flow Physics and Control	6	$1,408,338
Center for the Study of Religion and Society	1	$25,000
Institute for Church Life	1	$197,000
Institute for Latino Studies	2	$30,000
Joint Institute for Nuclear Astrophysics	1	$15,134,943
Robinson Community Learning Center	2	$7,500
Walther Cancer Research Center	2	$100,000
Total:	**20**	**$17,172,164**

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 08/31/2007

Awards Received

Department or Office	No.	Amount
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	3	$215,379
Center for Global Health and Infectious Diseases	5	$15,815,393
Center for Microfluidics and Medical Diagnostics	2	$219,605
Center for Transgene Research	1	$355,568
Environmental Research Center	1	$169,998
Freimann Life Science Center	1	$100,000
Gigot Center	1	$14,700
Interdisciplinary Center for the Study of Biocomplexity	1	$346,252
Joint Institute for Nuclear Astrophysics	1	$86,250
Kellogg Institute for International Studies	1	$109,926
Nano Science and Technology Center	3	$168,740
Nuclear Structure Laboratory	2	$91,250
Robinson Community Learning Center	1	$40,000
Walther Cancer Research Center	2	$580,809
Total:	**29**	**$20,301,987**

Proposals Submitted

Department or Office	No.	Amount
ACE Educational Outreach	2	$85,000
Biological Sciences	1	$45,883
Center for Aquatic Conservation	1	$203,425
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	9	$2,029,080
Center for Global Health and Infectious Diseases	4	$2,291,574
Center for Microfluidics and Medical Diagnostics	2	$721,789
Center for Philosophy of Religion	4	$120,000
Center for Transgene Research	3	$574,500
Center for Zebrafish Research	2	$396,240
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

Awards and Proposal Summary

Centers and Institutes Report

07/01/2007 to 08/31/2007

Department or Office	No.	Amount
Institute for Latino Studies	3	$134,902
Institute for Theoretical Sciences	1	$86,964
Joint Institute for Nuclear Astrophysics	2	$15,221,193
ND Energy Center	1	$50,000
Nano Science and Technology Center	4	$974,998
Radiation Laboratory	1	$0
Robinson Community Learning Center	3	$15,000
Walther Cancer Research Center	4	$767,000
Total:	**54**	**$25,821,164**

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Awards for Research				
Department or Office: Center for Applied Mathematics				
Sommese, Andrew J. (Center or Institute) Wampler, Charles W.	Numerical Algebraic Geometry: Computation of Exceptional Parameter Values	National Science Foundation	$120,000	007189-001
Department or Office: Center for Astrophysics				
Lehner, Nicolas (Center or Institute) Howk, Jay C.	Highly Ionized Plasma in the Milky Way: A Benchmark for Feedback Studies in the Universe.	Space Telescope Science Institute	$48,000	007181-001
Department or Office: Center for Children and Families				
Borkowski, John G. (Center or Institute) Maxwell, Scott E.	Neglect in High-Risk Mothers	National Institutes of Health	$1,640,117	006113-001
Department or Office: Center for Flow Physics and Control				
Corke, Thomas C. Nelson, Robert C. (Center or Institute)	Plasma Aerodynamic Control Effectors for Improved Wind Turbine Performance	Orbital Research, Inc.	$20,250	007196-001
Dunn, Patrick F. Brach, Raymond M. (Center or Institute)	Tobacco-Smoke-Materi Exposure via Indirect Pathways	Phillip Morris	$184,129	006578-001
Department or Office: Center for Global Health and Infectious Diseases				
Ferdig, Michael T. (Center or Institute)	Transcriptional Network Analysis in Malaria Parasites	National Institutes of Health	$40,972	007208-001
Hollocher, Hope (Center or Institute) Fuentes, Agustin	The Impact of Population Structure on Pathogen Transmission in Balinese Macaques	National Science Foundation	$50,000	007065-001

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Center for Microfluidics and Medical Diagnostics				
Zhu, Yingxi E. (Center or Institute)	Water-immersed Polymer Interfaces and the Role of Their Interfacial Properties on Biolubrication	National Science Foundation	$12,000	007053-001
Department or Office: Environmental Research Center				
Boyd, Sunny K. (Center or Institute)	Comutational Models for Neuroendocrine Control of Social Behavior	National Science Foundation	$169,998	007175-001
Department or Office: Freimann Life Science Center				
Suckow, Mark A. (Center or Institute)	Development of an ECM-Based Cancer Vaccine	Cook Biotech, Inc.	$100,000	006783-001
Department or Office: Gigot Center				
Dunn, Robert M. (Center or Institute)	SolarShade	National Collegiate Inventors & Innovators Alliance	$14,700	007203-001
Department or Office: Interdisciplinary Center for the Study of Biocomplexity				
Goodson, Holly V. (Center or Institute)	Interactions Between CLIP-170 and tubulin	National Institutes of Health	$346,252	006085-001
Department or Office: Joint Institute for Nuclear Astrophysics				
Wiescher, Michael C. Garg, Umesh (Center or Institute) Collon, Philippe A.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$86,250	006528-001
Department or Office: Nano Science and Technology Center				
Merz, James L. Mintairov, Alexander (Center or Institute)	Electrically Driven Quantum Dot Single Photon Sources for Data Encryption	North Atlantic Treaty Organization	$14,740	007199-001

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nuclear Structure Laboratory				
Wiescher, Michael C. Garg, Umesh (Center or Institute) Collon, Philippe A.	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	$86,250	006528-001
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	Education for Nonviolent Classrooms: A Take Ten Teacher Manual.	Jessie Ball DuPont Fund	$40,000	007204-001
Department or Office: Walther Cancer Research Center				
Navari, Rudolph M. (Center or Institute)	Walther Cancer Research Center at Notre Dame.	Walther Cancer Institute	$138,809	007192-001
Navari, Rudolph M. (Center or Institute)	Walther Cancer Research Center at Notre Dame	Walther Cancer Institute	$442,000	007191-001

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Proposals for Research				
Department or Office:	Biological Sciences			
McLachlan, Jason S.	Assisted Migration: Evaluating a New Strategy for Species Conservation	Brown University	$45,883	08020115
Department or Office:	Center for Educational Opportunity			
Kelly, Sean P.	Extracurricular Activities in High School and the Recovery of Identity	American Educational Research Association	$35,000	08020104
Department or Office:	Center for Flow Physics and Control			
Wang, Meng Corke, Thomas C.	Numerical and Experimental Investigation of Plasma-Based Flow Control.	Department of the Air Force	$529,659	08020078
Jumper, Eric J. Cavalieri, David	MEMS-based Aero-optics Simulator System (MASS)	AgilOptics, Inc	$150,002	08020091
Jumper, Eric J. Cavalieri, David	Directed Energy Beam Improvement-Binary Control for Advanced Tactical Laser (DEBI-BATL)	The Boeing Company	$137,675	08020095
Wang, Meng Morris, Scott C. Atassi, Hafiz M.	A High-Performance-Compu Cluster for Hydroacoustics and Turbulence Research	Department of Navy	$131,798	08020106

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Jumper, Eric J. Cavalieri, David	High-Speed CCD Camera and Data Logger to Facilitate High-Frame-Rate	Department of Navy	$103,234	08020108
Morris, Scott C. Cameron, Joshua D.	Aerodynamic Damping and Forced Response Measurements on a Transonic Compressor Blisk.	Duke University	$355,970	08020114
Department or Office:	Center for the Study of Religion and Society			
Sikkink, David H.	Baylor University Project	Baylor University	$25,000	08020112
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	Latino Community Organization Directory	The Chicago Community Trust	$25,000	08020089
Richman, Karen E.	Latino Immigrants in South Bend: An Applied Research Project	The Foundation of St. Joseph Regional Medical Center	$5,000	08020109
Department or Office:	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C.	Joint Institute for Nuclear Astrophysics	National Science Foundation	$15,134,943	08020111
Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	JYP & Youth Competency	Indiana Department of Children Services	$0	08020103

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

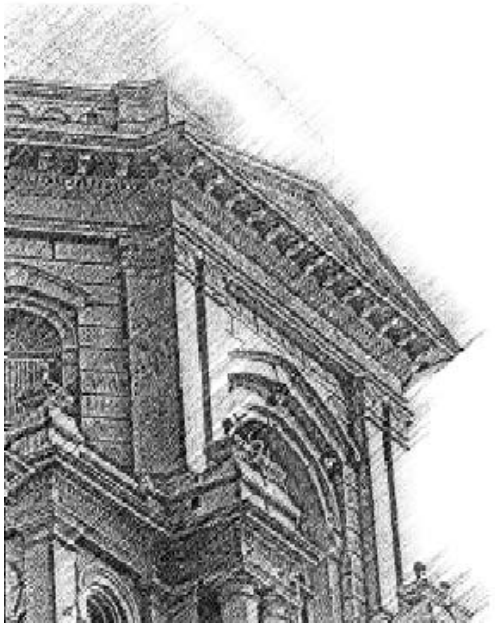
Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Caponigro, Jerome V.	Take Ten comic Book II	Friends of Child Abuse Prevention	$7,500	08020116
Department or Office:	Walther Cancer Research Center			
Navari, Rudolph M.	Walther Cancer Research Center at Notre Dame.	Walther Cancer Institute	$0	08020079
Chari, Vandhana M.	Mechanism of Protease Release in Melanoma	Melanoma Research Foundation	$100,000	08020105

Proposals for Instructional Programs

Department or Office:	ACE Educational Outreach			
Staud, John J.	Daniels Fund	Daniels Fund	$60,000	08020118
Nuzzi, Ronald J. Frabutt, James M.	Renewing Leadership Mission Among ACE Leadership Candidates	Lynde & Harry Bradley Foundation	$25,000	08020117
Department or Office:	Center for Ethics and Culture			
Solomon, William D. Kirk, Elizabeth R.	The Family: Search for Fairest Love	Our Sunday Visitor, Inc.	$103,500	08020092
Department or Office:	Institute for Church Life			
Cavadini, John C.	Echo Faith Formation Leadership Program	Our Sunday Visitor, Inc.	$197,000	08020083

Notre Dame Report



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