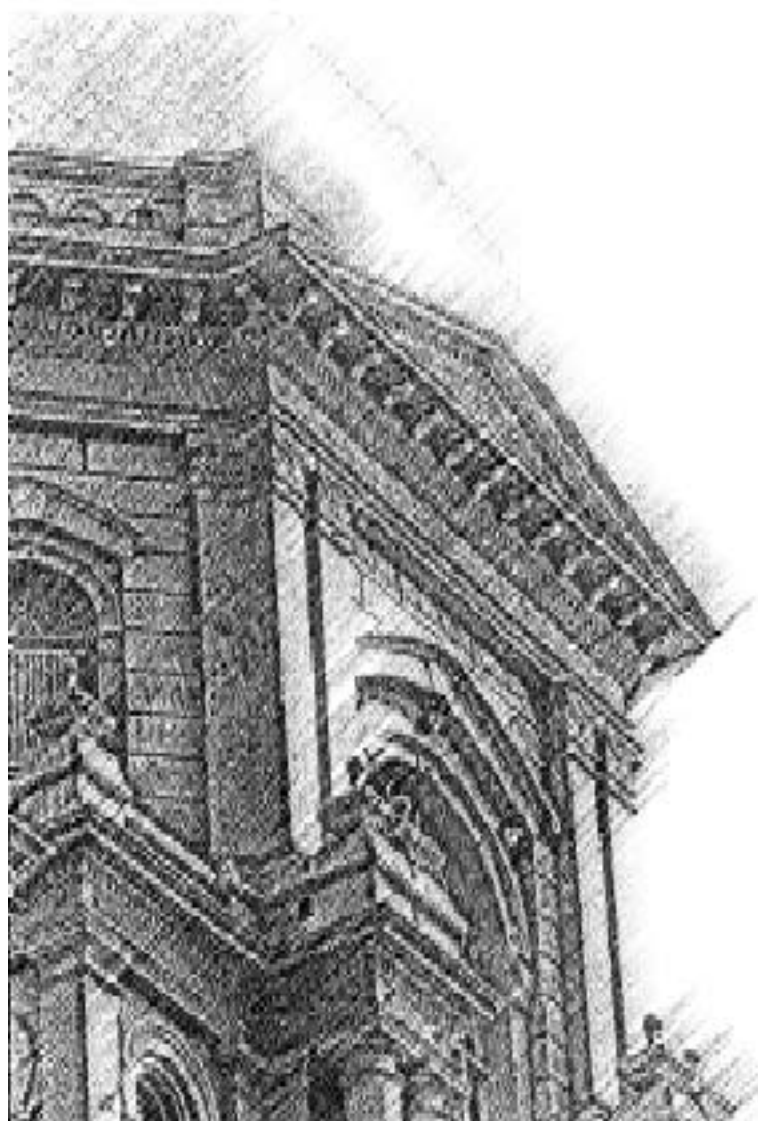


# Notre Dame Report



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# Faculty Notes

## Honors

**Gail Bederman**, associate professor of history, had an article titled "Revisiting Nashoba: Slavery, Utopia, and Frances Wright," originally published in *American Literary History* (2005), selected to appear in the Organization of American Historians volume of *Best American History Essays of 2007* (forthcoming, Palgrave); and she was named to the Organization of American Historians Distinguished Lectureship Program for 2006–07.

**Pascal Calarco**, associate librarian, was an awardee of the Ida and George Eliot Prize at the 2006 Medical Library Association for contributing to the "Emerging Roles of Health Sciences Librarians" special issue of *Reference Services Review* 32, no. 1. The prize is presented annually for a work published in the preceding calendar year that has been judged most effective in furthering medical librarianship. Calarco was reelected deputy director, SIG Cabinet (2005–07) at the 2005 annual meeting of the American Society for Information Science and Technology, Charlotte, N.C.

**Alejandro E. Camacho**, associate professor of law, had his article, "Mustering the Missing Voices: A Collaborative Model for Fostering Equality, Community Involvement and Adaptive Planning in Land Use Decisions, Installment One," *Stan. Envtl. L.J.* 24, no. 3 (2005), selected as one of the 10 best environmental and land use law articles of the year by the *Land Use and Environment Law Review*.

**Lawrence S. Cunningham**, professor of theology, received an honorary doctorate from Neumann College, Aston, Pa.

**Mary Rose D'Angelo**, associate professor of theology, was elected president of the Canadian Society for Biblical Studies, 2006–07.

**E. Jane Doering**, associate professional specialist, concurrent assistant professor of college seminar, and executive director of the Teachers as Scholars Program,

has been named *liaison ambassadrice* by the International Simone Weil Society (*L'Association pour l'étude de la pensée de Simone Weil*) with the goal of enhancing communication between French and American Simone Weil scholars.

**Kevin Hart**, the Notre Dame Professor of Philosophy and Literature and Nanovic Institute Fellow, assumed the editorship of *Religion and Literature*.

**Mary Catherine Hilkert**, professor of theology, was appointed to the International Preaching Commission of the Order of Preachers by the Master of the Dominican Order, Carlos A. Azpiroz Costa, in July.

**Peter R. Moody Jr.**, professor of political science, was appointed to the editorial board of *Asia in the New Millennium*, a book series by the Univ. Press of Kentucky; and as a research associate to the Center for US–China Policy Studies, San Francisco State Univ.

**Jerome Neyrey, SJ**, professor of theology, was elected vice president of the Catholic Biblical Association for 2006–07 and president of the organization in 2007–08.

**Alvin Plantinga**, the O'Brien Professor of Philosophy, is the subject of a Festschrift, *Knowledge and Reality: Essays in Honor of Alvin Plantinga*, edited by T.M. Crisp, M. Davidson, and D. Vander Laan (Dordrecht, The Netherlands: Springer, 2006).

**Rev. Joseph L. Walter, CSC**, professor emeritus of chemistry and chair emeritus of the Dept. of Preprofessional Studies, was awarded the Founders' Award by the Dr. Thomas Dooley Society for his service to generations of Notre Dame doctors. He also was honored by the Central Association of Advisors to the Health Professions by the establishment of an award named for him.

## Activities

**J. Douglas Archer**, librarian, participated in the "Building Bridges—Working Together" panel sponsored by On Earth Peace at the Church of the Brethren annual conference, July 4 in Des Moines, Iowa.

**J. Matthew Ashley**, associate professor of theology and Fellow of the Center for Social Concerns, presented "Reading the Universe Story Theologically: Some Critical Questions and a Paradigm" at the annual meeting of the College Theology Society, Denver, June 4; and "Spirituality and Political Engagement: The Case of the Salvadoran Martyrs" to the Notre Dame precollegiate seminar, July 5.

**Brian Baker**, assistant professor of chemistry and biochemistry, presented "Calorimetric Characterization of an Entropically Driven T Cell Receptor-Ligand Interaction" at the "Conference on Applications of Biocalorimetry" in Zaragoza, Spain, July 5.

**David Bartels**, professional specialist in the Radiation Laboratory, was vice chairman of the "2006 Gordon Conference on Radiation Chemistry, Colby College," Waterville, Me., July 2–7, where he presented "Neutron and Beta/Gamma Yields in the Radiolysis of Supercritical Water" (coauthors: D. Janik, **Ireneusz Janik**, research associate in the Radiation Laboratory, and E. Edwards).

**Gail Bederman**, associate professor of history, gave the annual Milton M. Klein Visiting Scholar lecture in early American history, titled "Revisiting Frances Wright's Nashoba: Slavery, Sex, and Liberty in Tennessee, 1825–27," at the Univ. of Tennessee, Knoxville, on April 6; and an invited lecture titled "'She Submitted to a Republican Marriage': The Wollstonecraft–Imlay Relationship as Feminist Experiment, 1793–96" at the Univ. of Texas, Austin, on March 24.

**Katharina J. Blackstead**, librarian, designed, coordinated, and chaired the Library Administration and Management Association's program "Money Mavens, 21st-Century Style: Best Practices in Library Fundraising" at the annual conference of the American Library Association, New Orleans, on June 24.

**Theodore Cachey**, professor and chair of the Dept. of Romance Languages and Literatures, presented “Petrarch’s Depression” on the panel, “The Three Crowns,” sponsored by the Devers Program in Dante Studies at the joint conference of the American Association for Italian Studies and the Association of Teachers of Italian in Genoa, Italy, May 25–28.

**Pascal Calarco**, associate librarian, presented the invited keynote at “Search Forward: Emerging Internet Capabilities,” the 2005 fall workshop of the Los Angeles Chapter of the American Society for Information Science and Technology, Nov. 18, 2005, at Chapman Univ., Orange, Calif.

**Jianguo Cao**, professor of mathematics, delivered a lecture on “Rigidity of Time-Conjugate Geodesic Flows on Graph-Manifolds” at the “Nanjing Conference on Hamiltonian Dynamics 2006,” June 21 at Nanjing Univ., China; a series of 12 lectures on “Geodesic Flows” at Nanjing Univ. from June 24 to July 8; a lecture on “Q-Flat and Pseudo-Einstein Metrics on CR-Hypersurfaces” at Fudan Univ., Shanghai, China, on July 19; a lecture on “A New Eigenvalue Estimate for (p, q)-Forms and Applications to CR-Geometry” at Peking Univ., Beijing, on July 19; and a colloquium lecture on “The d-Bar Cauchy Problem and Applications to CR-Geometry” at the Math Institute, Chinese Academy of Sciences, Beijing, on August 1.

**Daniel M. Chipman**, professional specialist in the Radiation Laboratory, presented “Stretching of Hydrogen-Bonded OH in Electronically Excited Water Clusters” at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7.

**Kevin J. Christiano**, associate professor of sociology, delivered his Presidential Address, “Clio Goes to Church: Revisiting and Revitalizing Historical Thinking in the Sociology of Religion,” before a plenary session at the annual meeting of the Association for the Sociology of Religion, in Montreal, Québec, Canada (August 9–12), and at the same meeting chaired the research session on “Religious Ritual” and introduced the association’s Paul Hanly Furfey Lecturer for 2006.

**Philippe Collon**, assistant professor of physics, presented “Counting Nuclei Rather than Decays: AMS,” an invited talk, at “VISTARS 2006 Winter School on Nuclear Astrophysics,” Russbach, Austria, March 12–19; “Status of the Gas-Filled Magnet Upgrade at the NSL” at the “Heavy Ion Discussion Group, Physics Division,” Argonne National Laboratory, April 28; and “AMS, From Tracing Oceans to Nuclear Astrophysics,” an invited talk, at the annual summer meeting of the AAPT, Syracuse, N.Y., July 22–26.

**Lawrence S. Cunningham**, professor of theology, presented “Franciscan Education” on May 15 to Neumann College, Aston, Pa.; six lectures on “The Saints of Rome” at the Lay Centre of Foyer Unitas in Rome, May 21–26; a “Theology on Tap” lecture to the national conference of Campus Ministry at Notre Dame, June 12; two conferences on “*Lectio Divina*” to the Franciscan Sisters of Mishawaka, Ind., on July 1; and an afternoon lecture conference “On Forgiveness in the Church,” to a Family Ministry Retreat gathering at Notre Dame on August 5.

**Mary Rose D’Angelo**, associate professor of theology, presented “Decoding Mary Magdalen: Disciple, Apostle, Prophet” to the “Call to Action Michiana” at the O’Grady Center, August 17; “Roman Imperial Family Values and the Letter to the Romans: Structural Adjustments in the Early Christian Family” at the Canadian Society of Biblical Studies annual meeting, York Univ., Toronto, May 28–30; “Roman Imperial Family Values and Moral Apologetic in Philo” at the Catholic Biblical Association annual meeting, Loyola Univ., Chicago August 5; and “Mark: A Christology of Shared Spiritual Power,” the plenary address, to the National Association of Catholic Chaplains, Cincinnati, on March 12.

**Rev. Brian Edward Daley, SJ**, professor of theology, presented a course for the Summer Institute of the Diocese of Ogdensburg, N.Y., from July 31 to August 4, titled “Christian Beginnings: An Introduction to Early Christianity.”

**William G. Dwyer**, the Hank Professor of Mathematics, was an invited visitor to the Stanford Univ. Mathematics Dept. in Palo Alto, Calif., July 26–28, where he

presented “The Transfer Map as a Trace Construction.”

**Michael Ferdig**, assistant professor of biological sciences, presented “QTC as Portals to the Malaria Parasite Genome” at a seminar at the Harvard School of Public Health on July 24.

**Umesh Garg**, physics professor, presented “Giant Monopole Resonances in the Sn Isotopes: Why are the Tins so Fluffy?” as an invited talk at “COMEX2, 2nd International Conference on Collective Motion in Nuclei under Extreme Conditions,” Sankt Goar, Germany, June 20–23; “Nuclear Incompressibility from the Compressional-Mode Giant Resonances,” an invited talk, at “In Heaven and on Earth 2006: The Nuclear Equation of State in Astrophysics,” Montreal, Canada, July 5–7; “Giant Resonances and Nuclear Incompressibility: An Update,” a seminar, at Aizu Univ., Japan, on August 11; and an invited seminar titled “Nuclear Incompressibility from the Compressional-Mode Giant Resonances” at the Univ. of Cologne, Germany, June 19.

**Teresa Ghilarducci**, professor of economics, participated in the General Accountability Office (GAO) 2006 Retirement Advisory Panel (RAP) in Washington, D.C. on July 19.

**Ann Goggin**, professional specialist in theology, helped direct a Jesuit colleagues retreat in Sedalia, Colo., for the Missouri Province Jesuit institutions, July 16–23.

**Joachim Görres**, research professor of physics, presented “Alpha-Induced Reactions in Stellar Burning,” an invited talk, at “Nuclei in the Cosmos IX,” Geneva, Switzerland, June 26–30.

**Kevin Hart**, the Notre Dame Professor of Philosophy and Literature, presented “Without World: The Parables of Michel Henry” at a conference, “Phenomenology and Eschatology: The Second Generation of French Phenomenologists,” in Athens (The American College of Greece), on July 8.

**Mary Catherine Hilkert**, professor of theology, delivered the Presidential Address, “Dialogue, Proclamation, and the Sacramental Imagination,” at the annual meeting of the Catholic Theological Society of America in San Antonio, on June 11.

**Maxwell Johnson**, professor of theology, presented “The Rites of Formation: Forming Seekers and Congregations into Communities of Faith” at the annual gathering of catechumenate practitioners, North American Association for the Catechumenate, Niagra Falls, Ontario, Canada, July 20–23.

**Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Laboratory, and concurrent professor of chemical and biomolecular engineering, presented “Nanostructure Architectures for Light Energy Conversion” at a workshop on the “Frontiers of Molecular Sciences” at the Institute of Chemistry, Chinese Academy of Sciences, July 6–9.

**Jay LaVerne**, professional specialist in the Radiation Laboratory, presented “Radiation Chemistry of Water–Ceramic Oxide Interfaces” at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7; and “Radical Yields in the Radiolysis of Cyclic Aromatic Compounds,” written with M.S. Araos, at the “Tithany Conference on Radiation Chemistry,” Eger, Hungary, August 25–Sept. 1.

**Keith P. Madden**, associate professional specialist in the Radiation Laboratory, presented “Notre Dame Radiation Chemistry Data Center: 2006 Status Report” at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7.

**Julia Marvin**, associate professor in the Program of Liberal Studies and Fellow of the Medieval Institute, participated in the panel, “Historical Writings and Chronicles II: A Roundtable” at the “41st International Congress on Medieval Studies,” Western Michigan Univ., May 4–7; and presented the invited lecture, “Am I a Black Sheep?” at the conference “Gladly Lerne, Gladly Teche’: A Tribute to John Fleming, Scholar, Teacher, Friend,” Princeton Univ., June 2.

**Lloyd H. Mayer**, associate professor of law, presented a draft paper titled “Regulating Political Activity: Tax Law and the IRS vs. Election Law and the FEC” to the “2006 Junior Tax Scholars Conference” in Boulder, Colo.

**Richard McBrien**, professor of theology, delivered a lecture titled “The Catholic

Church in the 21st Century” to the HOPE group at Rose State Community College in Oklahoma City on March 25; the keynote address titled “The Election of Bishops: The Return to Tradition” for Voice of the Faithful–Bridgeport at Fairfield Univ., Conn., on April 29; a lecture titled “The Role of the Laity in the Present and Future Church,” for the Thomas Merton Center in Palo Alto, Calif., on May 6; and a lecture titled “Critical Issues Facing the Church,” for the Beacon of Hope—Light of Christ group in Appleton, Wisc., on May 11.

**Juan Migliore**, professor of mathematics, was one of two instructors of a course given under the auspices of the Scuola Matematica Interuniversitaria in Italy, July 2–14.

**Nathan Mitchell**, professional specialist in theology and concurrent professional specialist in the Center for Pastoral Liturgy, presented a paper titled “The Significance of Ritual Studies for Liturgical Research” at the meeting of the *Arbeitsgemeinschaft katholischer Liturgikdozentinnen und dozenten im deutschen Sprachgebiet* (AKL) at its conference in Soesterberg, The Netherlands, on August 29.

**Rev. Ronald Nuzzi**, director of the ACE Leadership Program, presented “Catholic School Research Challenges, 2000–2006” to the Association of Catholic School Administrators of Eastern New York, Brooklyn, on August 4.

**Simon M. Pimblott**, professional specialist in the Radiation Laboratory, presented “Role of LEE in Determining the Effects of Ionizing Radiation,” written with **Jay A. Laverne**, professional specialist in the Radiation Laboratory, and **Nick J.B. Green**, senior research associate in the Radiation Laboratory, at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7; and again at the “Tithany Conference on Radiation Chemistry,” Eger, Hungary, August 25–Sept. 1.

**Jean Porter**, professor of theology, delivered an invited lecture titled “The Legislator and the Orator: Toward a Natural Law Jurisprudence for Our Time,” Seton Hall, N.J., April 19; and an invited paper on a plenary panel on moral challenges in North America, “Contemporary Moral Challenges: Due Process and the Rule of Law,” at the first international crosscultural

conference for theological ethicists, Padua, Italy, July 11.

**Joseph M. Powers**, associate professor of aerospace and mechanical engineering, presented “Mathematical Verification of Simulations of Reactive Flows with Embedded Discontinuities” at the “Seventh World Congress on Computational Mechanics” in Los Angeles, July 16–22.

**Alison Rice**, assistant professor of Romance languages and literatures and Nanovic Institute Fellow, presented the invited lecture titled “Islam in France” to the UCLA Global Learning Institute in Paris, July 4; and her paper titled “*Sensualité et sexualité en français: L’amour dans les écrits francophones de l’Europe de l’Est*” was presented at “Conseil International d’Études Francophones Annual Convention” in Sinaia, Romania, in June.

**Karen Richman**, director, Border and Inter-American Affairs in the Institute for Latino Studies, was an invited participant in the “Bellagio Dialogue on Migration” in Bellagio, Italy, July 3–8, where she participated in the workshop on “Economic Dimensions of Migration: Migration and Developing Countries” and gave the opening presentation on the impacts of emigration on homeland economic development and opportunity; and presented a paper with **Marcia Good**, Visiting Fellow of the Institute for Latino Studies and adjunct professor of anthropology, titled “An Anthropological Perspective on Latino Obesity” to the “2006 Summer Workshop, Latino Obesity: Using Research for Understanding and Action, of the Inter-University Program for Latino Research” on July 25 at Notre Dame.

**Mark W. Roche**, the O’Shaughnessy Dean and Joyce Professor of German Language and Literature, lectured on “Why Literature Matters in the 21st Century” at Seoul National Univ., Korea, on June 8; and on “*Größe und Grenzen von Hegels Theorie der Tragödie*” to the Korean Hegel Society at Seoul National Univ., on June 9.

**Deborah L. Rotman**, director of undergraduate studies in the Dept. of Anthropology, presented “Dynamic Domestic Spaces: The Significance of Residential Sites in Historical Archaeology” at the Archaeological Field School at Colonial Williamsburg, Va., on June 29.

**Philip Sakimoto**, professional specialist in physics, presented an invited talk, "Transcultural Partnerships," to conclude a special session on space science education at the "36th Scientific Assembly of the International Council for Science's Committee on Space Research (COSPAR)" in Beijing, China, on July 19.

**Thomas L. Shaffer**, the Short Professor of Law Emeritus, and **Michael Jenuwine**, supervising attorney, Notre Dame Legal Aid Clinic, led a session on "End-of-Life Issues" on June 3 as part of the alumni reunion at Notre Dame.

**Mark A. Suckow**, director, Freimann Life Science Center, presented the poster "SIS Does Not Promote Tumor Recurrence Following Resection of PA-III Cells in LW Rats" at the "Second Multidisciplinary Summit on the Surgical Challenges Associated with Biological Materials" in Chicago, August 26.

**Yang Sun**, visiting associate professor of physics, presented "Current Topics in Nuclear Structure and Nuclear Astrophysics" at the Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou, China, on June 30; an invited talk, "Shell Model for Heavy Nuclei and Nuclear Astrophysics," at the "International Conference on Nuclear Structure Physics," Shanghai JiaoTong Univ., China, June 12–17; and "Theoretical Description of K-Isomers" at the College of Physics, Peking Univ., Beijing, on July 6.

**Julia Adeney Thomas**, associate professor of history, presented "The War and Japanese Identity: From Willed Amnesia to Nationalized Collective Memory" at an interdisciplinary conference on "Collective Memory and the Uses of the Past" at the Univ. of East Anglia in Norwich, England, July 7–10.

**GorakhNath Ram Tripathi**, professional specialist in the Radiation Laboratory, presented "Time-Resolved Resonance Raman Spectroscopy of Benzoate Dianion in Water" (written with **Deanna Sheehan**, graduate student) at the "2006 Gordon Conference on Vibrational Spectroscopy," Univ. of New England, Biddeford, Me., July 2–7, 2006.

**John P. Welle**, professor of Italian, concurrent professor of film, television, and theatre, and Fellow of the Nanovic

Institute, presented "The Cinema Arrives in Italy: City, Region, Nation in Early Film Discourse" at the "Ninth International Domitor Conference of the International Society for the Study of Early Cinema," Univ. of Michigan, Ann Arbor, on May 30; and gave the invited lecture "The Cinema Arrives in Italy: Early Film and Cultural Reception," at Gettysburg College, Penn., April 3.

**Rev. Oliver F. Williams, CSC**, director of the Center for Ethics and Religious Values in Business, and Fellow of the Kroc Institute, presented "Accountability and an Ethical Corporate Culture" to the Association of Certified Fraud Examiners, Cape Town, June 1; was an invited participant at the "World Economic Forum Africa Summit," Cape Town, May 31–June 2; presented "Peace through Commerce" to St. Augustine College of South Africa, Johannesburg, June 26; presented a workshop on "Ethics and Corporate Governance" to Kampala International Univ., Uganda, July 10–14; presented "The Changing Role of Business in Society: Conceptual Foundations" at the annual meeting of BEN-Africa (The Business Ethics Network of Africa), Cape Town, July 28; presented a discussion on "Peace through Commerce" to the South African Catholic Bishops Conference Parliamentary Liaison Office, Cape Town, July 21; presented a seminar on "Developing Management Ethics for Our Time" to the faculty of the Graduate School of Business, Univ. of Cape Town, August 7; and presented "Ethical Corporate Governance" to the Law School of the Univ. of Cape Town, August 8.

**Eduardo E. Wolf**, professor of chemical engineering, presented "Operando FTIR and EXAFS Studies of Catalytic CO Oxidation Reactions" at the "International Symposium of Operando Spectroscopy," Toledo, Spain, April 24–26; "Selective Combinatorial Studies of Methanol Oxidative Reforming for Hydrogen Generation in Multi-Component Cu/Zn Catalysts," cowritten and presented by S. Schuyten, at the Catalysis Club meeting, Naperville, Ill., May 16; and "Energy, Fuels, Hydrogen and Cu Catalysis: A Copper Oxide Based Catalytic Cartridge for the Production of Hydrogen from Methanol" at the "CIMAT Symposium on Copper Utilization," Santiago, Chile, June 15–17.

**Carolyn Y. Woo**, the Gillen Dean and Siegfried Chair in Entrepreneurial Studies, was an invited speaker on the topics of corporate governance and disclosure and establishing an independent board at the "IIS Directors Summit, Special Plenary III Session on Transparency and Ethics," July 18 in Chicago.

**Jennifer A. Younger**, the Arnold Director of University Libraries, presented "Future Directions of Academic Research Libraries in the 21st Century" at a library faculty retreat for Brigham Young Univ., Utah State Univ., and the Univ. of Utah, in Salt Lake City, June 15; and moderated the Library Administration and Management Association's program "Money Mavens, 21st-Century Style: Best Practices in Library Fundraising" at the annual conference of the American Library Association, New Orleans, on June 24.

## Publications

**J. Douglas Archer**, librarian, published "Liberty, Security, and Indiana Libraries," *Indiana Libraries* 25, no. 3 (2006): 18–21; and "Information Tips and Sources: Videos, Part 1" for *The Peace Chronicle: The Newsletter of the Peace and Justice Studies Association* (July 2006): 8–9.

**Klaus-Dieter Asmus**, professor emeritus of physics, published "Transients in the Oxidative and H-Atom-Induced Degradation of 1,3,5-Trithiane, Time-Resolved Studies in Aqueous Solution" with **Gordon L. Hug**, instrumentation coordinator, Radiation Laboratory; **Krzysztof Bobrowski**, senior research associate, Radiation Laboratory; Q.G. Mulazzani; and **Bronislaw Marciniak**, senior research associate, Radiation Laboratory, in *J. Phys. Chem. A* 110, no. 29 (2006): 9292–300.

**Robert N. Barger**, adjunct associate professor in the Computer Applications Program, published "Education: The United States" in *Encyclopedia of the Modern World* (New York: Oxford Univ. Press, in press).

**Matthew J. Barrett**, professor of law, published the 1,176-page unabridged fourth edition of *Materials on Accounting for Lawyers* (Foundation Press) (with D. Herwitz).

**Joseph P. Bauer**, professor of law, published "Refusals to Deal with Competitors by Owners of Patents and Copyrights: Reflections on the *Image Technical* and *Xerox Decisions*," 55 *DePaul Law Review* (2006): 1211–246.

**Howard Blackstead**, professor of physics, published "Comment on 'Microwave Vortex Dissipation of Superconducting Nd-Ce-Cu-O Epitaxial Films in High Magnetic Fields,'" *Physics Review B* 74 (2006): 066501 (4 pages).

**Michael Brownstein**, associate professor of East Asian languages and literatures, published "The Osaka Kannon Pilgrimage and Chikamatsu's *Love Suicides at Sonezaki*" in *Harvard Journal of Asiatic Studies* 66, no. 1 (June 2006): 7–41.

**Bruce A. Bunker**, professor of physics, published "Exciton Recombination Dynamics in CdSe Nanowires: Biomolecular to Three-Carrier Auger Kinetics" with I. Robel; **Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Laboratory, and concurrent professor of chemical and biomolecular engineering; and **Masaaru Kuno**, assistant professor of chemistry and biochemistry, in *Nano Letters* 6, no. 7 (2006): 1344–2349.

**Theodore Cachey**, professor and chair of the Dept. of Romance Languages and Literatures, published "*La vita come viaggio*" in *Petrarca e l'unità della cultura europea, Atti del Convegno Internazionale, Warszawa 27–29 maggio 2004, a cura di Monica Febbo e Piotr Salwa*, Warszawa, Semper (2005): 132–47.

**Pascal Calarco**, associate librarian, published a review of A. Sahai and S. Graupner, *Web Services in the Enterprise: Concepts, Standards, Solutions, and Management* (New York: Springer Science and Business Media, 2005) on Reviews.com, Jan. 11; and a review of H. Chen, S. Fuller, C. Friedman, and W. Hersh *Medical Informatics: Knowledge Management and Data Mining in Biomedicine* (Operations Research/Computer Science Interfaces) (Secaucus, N.J.: Springer-Verlag New York, Inc., 2005) on Reviews.com, June 21.

**Neal M. Cason**, professor of physics, published "Search for the Higgs Boson in  $H \rightarrow WW^{(*)}$  Decays in  $\bar{p}p$  Collisions at  $\sqrt{s}$

$= 1.96$  TeV" with Dzero Collaboration, V.M. Abazov et al., Notre Dame (**Oana Boeriu**, research associate in physics; **Eugene Galyaev**, graduate assistant; **Anna Goussiou**, assistant professor of physics; **Michael D. Hildreth**, assistant professor of physics; **Monica Lynker**, guest assistant professor of physics; **Prolay K. Mal**, research associate in physics; **Yury A. Pogorelov**, graduate assistant in physics; **Randal Ruchti**, professor of physics; **William D. Shephard**, professor emeritus of physics; **Jadwiga Warchol**, research professor of physics; **Mitchell Wayne**, professor and chair of the Dept. of Physics; and **N. Xuan**, research associate of physics) in *Physical Review Letters* 96 (2006): 011801. Cason also published "Search for Pair Production of Second Generation Scalar Leptoquarks in  $\bar{p}p$  Collisions at  $\sqrt{s} = 1.96$  TeV," with Dzero Collaboration, in *Physics Letters B* 636 (2006): 183; "Search for Squarks and Gluinos in Events with Jets and Missing Transverse Energy in  $\bar{p}p$  Collisions at  $\sqrt{s} = 1.96$  TeV" with Dzero Collaboration, *ibid.* 638 (2006): 119; and "Search for Excited Muons in  $\bar{p}p$  Collisions at  $\sqrt{s} = 1.96$  TeV" with Dzero Collaboration, *Phys. Rev. D Rap. Comm.* 73 (2006): 111102.

**Kevin J. Christiano**, associate professor of sociology, contributed the entry on "Secularization" in A. Harrington, B.L. Marshall, and H.-P. Müller, eds. *Encyclopedia of Social Theory* (Oxford, England, and New York: Routledge; Taylor and Francis Group, Limited, 2006): 536–38.

**Lawrence S. Cunningham**, professor of theology, published "A Contemporary Understanding of Martyrdom," *Archbishop Romero: Martyr and Prophet of New Millennium*, ed. **Robert S. Pelton, CSC**, concurrent professor of theology and Fellow of the Kellogg Institute (Scranton, Pa.: Univ. of Scranton Press, 2006): 59–72; "Religion Booknotes," *Commonweal* cxxxiii (June 2): 25–29; "Virgin Mary" in *From Trent to Vatican II: Historical and Theological Investigations*, eds. R. Bulman and F. Parella (New York: Oxford Univ. Press, 2006): 179–92; "*Causa non Poena*: On the Contemporary Martyrs," in *More than a Memory: The Discourse of Martyrdom and the Construction of Christian Identity*, ed. J. Leemans (Louvain: Peeters, 2005): 451–64; "*Levoluzione del*

*sentire monastico* in Thomas Merton" in *Thomas Merton: solitudine e comunione* (Bose, IT: Qiqajon, 2006) 63–80; "Meeting the Almighty" in *Notre Dame Magazine* 35, no. 2 (Summer 2006): 40–43; "Religion Booknotes" in *Commonweal* cxxxiii (July 14): 28–30; a review of J. Eudes Bamberger's *Merton in His Monastic Milieu* in *The Merton Seasonal* 31, no. 2 (2006): 33–34; a review of Augustine's *Exposition of Psalms 121–150* in *Augustinian Studies* 36, no. 2 (2005): 459–60; and "The Passing of a Giant: Notes on Jaroslav Pelikan's Final Work," *America* 195, no. 4 (August 14): 29–31.

**E. Jane Doering**, associate professional specialist, concurrent assistant professor of college seminar, and executive director of the Teachers as Scholars Program, published "*Convergence d'idées à New York, Albert Camus et Simone Weil*," *Cahiers Simone Weil* XXIX, no. 1 (2006): 13–26.

**Amitava Krishna Dutt**, professor, Dept. of Economics and Policy Studies, and Fellow, Kellogg Institute and Kroc Institute, published "Aggregate Demand, Aggregate Supply and Economic Growth," *International Review of Applied Economics* 20, no. 3 (July 2006) 319–36; and "Globalization, Trade Liberalization and Conflict: A Southern Perspective" in B.N. Ghosh, ed., *Globalisation and the Third World: A Study of Negative Consequences* (Houndmills, UK and New York: Macmillan / Palgrave, 2006): 233–50.

**Morten Eskildsen**, assistant professor of physics, published "Magnetic-Field-Induced Orientation of Superconducting MgB<sub>2</sub> Crystallites Determined by X-Ray Diffraction," written with J. Li, D. Vaknin, S.L. Bud'ko, P.C. Canfield, D. Pal, Z. Islam, and V.G. Kogan, *Physics Review B* 74 (2006): 064502 (4 pages).

**Stephen A. Fredman**, professor and chairperson of the Dept. of English, published a review of M. Perloff's *21st-Century Modernism* in *Sympleke* 13, no. 1–2 (2005): 340–42.

**Agustin Fuentes**, the O'Neill Associate Professor of Anthropology and Flatley Director of the Office of Undergraduate and Post-Baccalaureate Fellowships, published "Human Culture and Monkey Behavior: Assessing the Contexts of Potential Pathogen Transmission between

Macaques and Humans,” *American Journal of Primatology* 68 (2006): 880–96; “Risk Assessment: A Model for Predicting Cross-Species Transmission of Simian Foamy Virus From Macaques (*M. fascicularis*) to Humans at a Monkey Temple in Bali Indonesia” with G. Engel, L.L. Hungerford, L. Jones-Engel, D. Travis, R. Eberle, R. Grant, R. Kyes, and M. Schillaci, *ibid.*: 934–48; and a joint book review of *The Origin and Evolution of Cultures and Not By Genes Alone: How Culture Transformed Human Evolution* by P.J. Richerson and R. Boyd, *American Anthropologist* 108, no. 3 (2005): 547–54.

**Teresa Ghilarducci**, professor of economics, published “How Defined Contribution Plans and 401(k)s Affect Employer Pension Costs” with **Wei Sun**, assistant professional specialist, Metropolitan Chicago Initiative, in *Journal of Pension Economics and Finance* 5, no. 2 (July): 175–96.

**Ann Goggin**, professional specialist in theology, published a review of *Co-Workers in the Vineyard of the Lord* for Notre Dame Center for Liturgy Bulletin (Spring 2006).

**Dennis Goulet**, professor emeritus and O'Neill Chair in the Dept. of Economics and Policy Studies, published *Development Ethics at Work: Explorations 1960–2002* (London and New York: Routledge, 2006).

**Kevin Hart**, the Notre Dame Professor of Philosophy and Literature and Nanovic Institute Fellow, published “The Clock,” “Nights,” and “Thinking of David Campbell” in *The Gettysburg Review* 19, no. 3 (2006): 469–71; and “The Word” in *The Best Australian Poetry, 2006*, ed. J. Beveridge (St Lucia: Univ. of Queensland Press, 2006): 23.

**Mary Catherine Hilkert**, professor of theology, published “Preachers of Grace, Witnesses to the Resurrection” in *The Grace and Task of Preaching*, ed. M. Monshau (Dublin: Dominican Publications, 2006): 89–106.

**Christopher Howk**, assistant professor of physics, published “The UCSD Radio-Selected Quasar Survey for Damped Ly-Alpha Systems” with R.A. Jorgenson, A.M. Wolfe, J.X. Prochaska, L. Lu, J. Cooke, E. Gawiser, and D.M. Gelino, *The Astrophysical Journal* 646 (2006): 730–41; and “The Metal-Strong Damped Lyman-

Alpha Systems” with S. Herbert-Fort, J.X. Prochaska, M. Dessauges-Zavadsky, S.L. Ellison, A.M. Wolfe, and G.E. Prochter, *Publications of the Astronomical Society of the Pacific* 118 (2006): 1077–97.

**Kristine Ibsen**, professor of Romance languages and literatures and Fellow of the Institute for Latino Studies and the Kellogg Institute, published “Spectacle and Spectator in Edouard Manet’s *Execution of Maximilian*” in *Oxford Art Journal* 29, no. 2 (2006): 213–26.

**Thomas J. Jemieliety**, professor emeritus of English, published “72-Year-Old Explains Genius of Cargo” in *The New York Observer* (May 15): 2 ([http://www.observer.com/20060515/20060515\\_\\_\\_thecity\\_newyorkworld.asp](http://www.observer.com/20060515/20060515___thecity_newyorkworld.asp)).

**Maxwell Johnson**, professor of theology, published “Why Would Lutherans Celebrate the Virgin Mary of Guadalupe? A Theological Meditation,” in **Virgil Elizondo** (professor of theology), **Timothy Matovina** (associate professor of theology, director of the Cushwa Center, and Fellow of the Institute for Latino Studies), and A.F. Deck, eds., *The Treasure of Guadalupe* (Landham: Rowman & Littlefield, 2006): 87–94; and “Satis Est: Ecumenical Catalyst or Narrow Reductionism?” in the *Institute of Liturgical Studies Occasional Papers #11: Liturgy in a New Millennium, 2000–2003*, ed. R. Schuler (Valparaiso: Institute of Liturgical Studies, 2006): 158–72.

**Prashant V. Kamat**, professor of chemistry and biochemistry and concurrent professor of chemical engineering, cowrote “Exciton Recombination Dynamics in CdSe Nanowires” with **Istvan Robel**, graduate student, **Bruce A. Bunker**, professor of physics, and **Masaru K. Kuno**, assistant professor of chemistry and biochemistry, and presented by Robel at the 2006 Gordon Conference on Nanostructure Fabrication, Tilton, N.H., July 16–21; and “Terahertz All-Optical Molecule-Plasmon Modulation” with J. Dintinger, István Robel, C. Genet, and T.W. Ebbesen in *Advanced Materials* 18 (2006): 1645–48.

**Donald P. Kommers**, the Robbie Professor of Political Science and concurrent professor of law, published a review of G. Vanberg, *The Politics of Constitutional Review in Germany* in the *American Political Science Association’s Perspectives on Politics* 4 (2006): 413–14.

**Rev. Bill Lies, CSC**, executive director of the Center for Social Concerns with a concurrent appointment in political science, published “A Clash of Values: Church and State Relations in Democratic Chile,” in S. Borzutzky and L. Oppenheim’s *After Pinochet: The Chilean Road to Democracy and the Market* (Univ. Press of Florida, 2006).

**Julia Marvin**, associate professor in the Program of Liberal Studies and Fellow of the Medieval Institute, published “Arthur Authorized: The Prophecies of the Prose Brut Chronicle,” *Arthurian Literature* 22 (2005): 84–99; and “Sources and Analogues of the Anglo-Norman Prose Brut Chronicle: New Findings” in *Readers and Writers of the Brut*, W. Marx and R. Radulescu, eds., special issue of *Trivium* 36 (2006): 1–32.

**Richard McBrien**, professor of theology, published “The Church is Petrine” in *The Many Marks of the Church*, eds. W. Madges and M.J. Daley (New London, Conn.: Twenty-Third Publications, 2006): 175–79; “Is it Sinful to Engage in Sex within Marriage?” an interview for the revised and expanded edition of *Secrets of the Code: The Unauthorized Guide to the Mysteries Behind the Da Vinci Code*, ed. D. Burstein (New York: Squibnocket Partners LLC, 2006): 68–73; “The Call to Holiness in the West,” *Saints—Sanctity—Liturgy*, ed. M.M. Morozowich (Fairfax, Va.: Easter Christian Publications, 2006): 37–49; and a review of B.P. Prusak, *The Church Unfinished: Ecclesiology Through the Centuries* in *American Catholic Studies* 117, no. 2 (Summer 2006): 93–95.

**Daniel McInerny**, professional specialist and associate director of the Center for Ethics and Culture, published *The Difficult Good: A Thomistic Approach To Moral Conflict and Human Happiness* in the *Moral Philosophy and Moral Theology Series* (Fordham Univ. Press, July 2006).

**Ralph McInerny**, professor of philosophy, published poems in *The Conservative Poets*, ed. W. Baer (Evansville: Univ. of Evansville Press, 2006): 11–20; and “Some Navigational Hazards” in *Per la Filosofia*, 23, no. 66 (2006): 13–23.

**Kevin M. Misiewicz**, associate professor of accountancy, published “The Normative



Impact of CPA Firms, Professional Organizations, and State Boards on Account Ethics Education,” *Journal of Business Ethics* (2006): 1–7.

**Nathan Mitchell**, professional specialist in theology and concurrent professional specialist in the Center for Pastoral Liturgy, published “Present in the Sacraments” (The Amen Corner), *Worship* 80, no. 4 (July): 347–60.

**Kenneth E. Moore**, faculty emeritus, published *Los Suecos de Arona* (The Swedish of Arona) (Santa Cruz de Tenerife, Spain: Ediciones IDEA, 2005).

**Jerome Neyrey, SJ**, professor of theology, published “Worship in the Fourth Gospel: A Cultural Interpretation of John 14–17,” *Biblical Theology Bulletin* 36: 107–17.

**Bruce C. Noll**, research associate professor of chemistry and biochemistry, published “Structural and Spectroscopic Investigation of Mono- and Bicarboxyl Hemes” with N.J. Silvernail, C.E. Schulz, and **W. Robert Scheidt**, professor of chemistry and biochemistry, *Journal of Porphyrins and Phthalocyanines* 10 (2006): 866; and “Influence of Hydrogen Bonding on Electron Configuration of High-Spin Hindered Imidazole Iron(II) Porphyrinates” with C. Hu, C.E. Schultz, and W. Robert Scheidt, *ibid.*: 666.

**William O’Rourke**, professor of English, published *On Having a Heart Attack: A Medical Memoir* (Univ. of Notre Dame Press, 2006); “My Rap Problems—And Yours?” in *The Chicago Tribune* (July 30) L Section 2, p.15; and “Following a Winner,” a review of *Wins, Losses, and Lessons*, *The Chicago Sun-Times* 59, no.34 (August 20): 8B.

**Alvin Plantinga**, the O’Brien Professor of Philosophy, published *Alvin Plantinga’s Religious Epistemology*, an English translation of the title of a new book in Chinese by L. Jun. The Chinese translation of Plantinga’s *Warranted Christian Belief* appeared in 2005.

**Jean Porter**, professor of theology, published “Moral Ideals and Human Nature” in *Universalism vs. Relativism: Making Moral Judgments in a Changing, Pluralistic, and Threatening World*, D. Browning, ed. (Lanham: Rowman and Littlefield, 2006): 59–78.

**Adrian Reimers**, adjunct assistant professor of philosophy, published *The Soul of the Person: A Contemporary Philosophical Psychology* (The Catholic Univ. of America Press, 2006).

**John E. Renaud**, professor of aerospace and mechanical engineering, published “Implicit Uncertainty Propagation for Robust Collaborative Optimization” with X. Gu and C.L. Penninger, *ASME Journal of Mechanical Design* 128 (July 2006): 1001–013; “New Decoupled Framework for Reliability-Based Design Optimization,” with H. Argawal, in *AIAA Journal* 44, no. 7 (July): 1524–531; and “Update Strategies for Kriging Models for Use in Variable Fidelity Optimization,” with S.E. Gano, J.D. Martin, and T.W. Simpson, in *Structural and Multidisciplinary Optimization* 32, no. 4 (2006): 287–98.

**Alison Rice**, assistant professor of Romance languages and literatures and Nanovic Institute Fellow, published “‘Que faire du corps?’ *La Maîtrise de soi dans Robert des noms propres d’Amélie Nothomb*” in *Nouvelles Études Francophones* 20, no. 2 (Fall 2005): 171–83; and “*Les États-Unis d’Amérique dans le texte: Les romans francophones (se) tournent ailleurs*” in *Écho* 6 (June 2006): <http://www.echopolyglot.com/Current%20Articles/rice.htm>.

**Mark W. Roche**, the O’Shaughnessy Dean and Joyce Professor of German Language and Literature, had an essay first published in 1995, “Justice and the Withdrawal of God in Woody Allen’s *Crimes and Misdemeanors*,” reprinted in *The Films of Woody Allen: Critical Essays*, C.L.P. Silet, ed. (Lanham, Md.: Scarecrow Press, 2006): 268–83.

**Deborah L. Rotman**, director of undergraduate studies in the Dept. of Anthropology, published “Commentary: To Keep or Not to Keep? That is the Question,” *Ohio Valley Historical Archaeology* 21 (2006): 40–42; and “Separate Spheres? Beyond the Dichotomies of Domesticity” in *Current Anthropology* 47, no. 4 (2006): 666–74.

**Yorke M. Rowan**, visiting assistant professor of anthropology, published “Chalcolithic Hamlet Excavations near Shiqmim, Negev Desert, Israel” with T.E. Levy and M. Burton in *Journal of Field Archaeology* 31 (2006): 41–60.

**W. Robert Scheidt**, professor of chemistry and biochemistry, published “Electronic, Magnetic, and Structural Characterization of the Five-Coordinate, High-Spin Iron(II) Nitrate Complex [Fe(TpivPP)(NO<sub>3</sub>)]” with H. Nasri, M.K. Ellison, B. Shaevitz, and G.P. Gupta in *Inorganic Chemistry* 45 (2006): 5284–290; “Movement in NO in Crystalline [Fe(Porph)(1-Melm)(NO)]” with N.J. Silvernail, T.J. Sage, and A. Barabanschikov in *Journal of Porphyrins and Phthalocyanines* 10 (2006): 389; “High-Spin Iron(II) Porphyrinates: A New Look” with C. Hu and C.E. Schulz, *ibid.*: 388; “Vibrational Dynamics of Spectroscopy and Normal-Mode Analysis of Fe(I) Octaethylporphyrin” with V. Starovoltova, T.E. Budarz, G.R.A. Wylie, W. Sturhahn, E.E. Alp, E.W. Prohofsky, and S.M. Durbin, *Journal of Physical Chemistry B* 110 (2006): 13277–282; and Dipyrindine(2,3,12,13-Tetrabromo-5,10,20-Tetraphenyl-Porphyrin(Iron(II) Pyridine Solvate) with **Bruce C. Noll**, research associate professor of chemistry and biochemistry, in *Acta Crystallographica Section E (Structure Reports)* E62 (2006): m1892–94.

**Mark R. Schurr**, associate professor and chair of anthropology, published “Untangling Removal Period Archaeology: The Complexity of Potawatomi Sites” in the *Midcontinental Journal of Archaeology* 31: 5–19; and “How the Pokagon Band Avoided Removal: Archaeological Evidence from the Faunal Assemblage of the Pokagon Village Site (20BE13)” with T.J. Martin and **William B. Secunda**, graduate student, in *Midcontinental Journal of Archaeology* 31:143–64. Schurr also served as the guest editor for the volume.

**Slavi C. Sevov**, professor of chemistry and biochemistry, published “Synthesis and Characterization of Na<sub>3</sub>Ba<sub>4</sub>Ga<sub>2</sub>SB<sub>6</sub> and Li<sub>13</sub>Ba<sub>8</sub>Ga<sub>2</sub>Sb<sub>12</sub>” with I. Todorov, *Zeitschrift für Kristallographie* 22 (2006): 521–26.

**Thomas L. Shaffer**, the Short Professor of Law emeritus, coedited *Property Law: Cases, Materials, and Problems*, 3rd ed. (St. Paul: West Publishing Co., 2006): 1,041 pages, with accompanying *Teacher’s Manual* (272 pages).

**Andrew J. Sommese**, the Duncan Professor of Mathematics, (with D. Bates and C. Peterson), published “A Numerical-Symbolic Algorithm for Computing



the Multiplicity of a Component of an Algebraic Set, *Journal of Complexity* 22 (2006): 475–89.

**Yang Sun**, visiting associate professor of physics, published (with D. Bucurescu et al.) “High-resolution Study of 0+ and 2+ Excitations in 168Er with the (p,t) Reaction” in *Physics Review C* 73 (2006): 064309; and, with R.-D. Herzberg et al., “Nuclear Isomers in Super Heavy Elements as Stepping Stones Toward the Island of Stability” in *Nature* 442 (2006): 896.

**Richard E. Taylor**, professor of chemistry and biochemistry, published “Myriaporone 3/4 Structure–Activity Relationship Studies Define a Pharmacophore Targeting Eukaryotic Protein Synthesis” with J. Hines, M. Roy, H. Cheng, C.M. Agapakis, and C.M. Crews, *The Royal Society of Chemistry Molecular BioSystems* 2 (2006): 371–79.

**Kizhanipuram Vinodgopal**, visiting scholar in the Radiation Laboratory, wrote “SWCNTs as Carbon Supports for Fuel Cells” with **Brian Seger**, graduate student, **Anusorn Kongkanand**, research associate in chemical and biomolecular engineering, and **Prashant V. Kamat**, professor of chemistry and biochemistry and concurrent professor of chemical engineering, and presented by Seger at the Gordon Research Conference on Fuel Cells, July 23–28, in Smithfield, R.I.

# Administrators' Notes

## Honors

**Alan S. Bigger**, director of building services, was inducted as president-elect of APPA on July 9.

**Kevin White**, director of athletics, was named Division I-A Central Region Athletic Director of the Year by the National Association of Collegiate Directors of Athletics.

## Activities

**Alan Bigger**, director of building services, presented “The Need for Performance Indicators” in the “What is Keeping You Afloat?” IEHA Web seminar, July 21.

**Julien Bonin**, research associate in the Radiation Laboratory, presented “Reaction of the Hydroxyl Radical with Phenol Systems in Water up to Supercritical Conditions” (coauthors: **Ireneusz Janik**, research associate in the Radiation Laboratory, D. Janik, and **David M. Bartels**, professional specialist in the Radiation Laboratory) at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7.

**Eduardo Antonio Carrasco-Flores**, research associate in the Radiation Laboratory, presented “EPR Spectroscopy of g-Irradiated Ceramic Oxide-Water Interfaces,” written with **Jay LaVerne**, professional specialist in the Radiation Laboratory, at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7.

**Kazuyuki Enomoto**, research associate in the Radiation Laboratory, presented the poster “Triplet Mechanism for the Radiolysis of Liquid Pyridine (coauthors: **Jay A. Laverne**, professional specialist in the Radiation Laboratory, S. Seki, and S. Tagawa)” at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7.

**Ireneusz Janik**, research associate in the Radiation Laboratory, presented “Reaction of O<sub>2</sub> with the H Atom Studied by Pulse Radiolysis in High Temperature Water” and a poster titled “Pulse Radiolysis Studies of High Temperature Water with Deep UV Detection” (coauthors: **David M. Bartels**, professional specialist in the Radiation Laboratory, **Timothy M. Marin**, research associate in the Radiation Laboratory, and C.D. Jonah) at the “2006 Gordon Conference on Radiation Chemistry,” Colby College, Waterville, Me., July 2–7.

## Publications

**Alan Bigger**, director of building services, published “Flooring Fundamentals: Successful Floor-Care Programs Often Start with Attention to Detail during Specification and Installation,” *Maintenance Solutions* (July 2006): <http://www.facilitiesnet.com/ms/article.asp?id=4838>; and “From Old2Gold: Generate Cash from Trash for Worthy Causes,” *Executive Housekeeping Today* 18, no. 7 (2006): 7–9.

**Jessica Mesman Griffith**, writer and editor in Development, published “It’s a Wonderful Life” in *Image: Art, Faith, Mystery*, no. 50 (July 2006).

**Kensuke Takechi**, Radiation Laboratory staff member, published “Harvesting Infrared Photons with Tricarbocyanine Dye Clusters” with **PallikkaraK. Sudeep**, research associate in the Radiation Laboratory, and **Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Laboratory, and concurrent professor of chemical and biomolecular engineering, in *Journal of Physical Chemistry B* 110, no. 33 (2006): 16169–173.

# Documentation

## Faculty Board on Athletics University of Notre Dame

Meeting of April 10, 2006

Room 331 Coleman-Morse Centers

**Members present:** Prof. Fernand Dutile (Chair); Prof. Harvey Bender; Prof. Eileen Botting; Mr. Bobby Brown; Prof. Stephen Fallon; Mr. Patrick Holmes; Prof. David Kirkner; (Rev.) Mark Poorman, C.S.C.; Prof. Donald Pope-Davis; Prof. F. Clark Power; and Prof. John Weber.

**Members absent:** Prof. Patricia Bellia; Prof. Francis Castellino; Dr. Frances Shavers; and Dr. Kevin White.

**Observers present:** Ms. Missy Conboy, Mr. Michael Karwoski and Mr. Stan Wilcox of the Department of Athletics; and Ms. Kitty Hoye, recorder.

**Guests present:** Dr. Christine Maziar, vice-president and associate provost; and Dr. Harold Pace, university registrar.

**1. Call to order and prayer:** The Chair called the group to order at 3:05 p.m.; Father Poorman led the group in prayer.

**2. Minutes of previous meeting:** Prof. Weber moved that the minutes for the meeting of March 22, 2006, be approved; Father Poorman seconded that motion. As amended by additional text suggested by Prof. Fallon, those minutes were unanimously approved.

**3. Announcements:** The Chair announced that he had approved, on behalf of the Board, two amendments to the schedule for men's golf. Monday, April 3, has been added to the schedule as an excused-absence day. Moreover, Friday, April 7 (a class day), has been substituted for Friday, April 14 (a non-class day). These changes result in a schedule calling for one more missed-class day in the Monday-Wednesday-Friday sequence than provided for in University guidelines. This extra day became necessary due to a change in the date of an away tournament. The Chair approved that

change under the authority granted him by the Board for circumstances not reasonably foreseeable at the time of the approval of the original schedule. At this point, the Board ratified these amendments.

### 4. Registration for Fifth-Year Student-Athletes and "Summer Matriculates":

[Background note: The NCAA (and the University of Notre Dame) allow student-athletes a five-year window in which to complete no more than four years of actual competition. Notre Dame's policy requires student-athletes intending to compete during a fifth year to secure approval of their academic plan from the Faculty Board on Athletics. The Board has for several years emphasized its commitment to the concept of "academic engagement" for these student-athletes; athletes here should also be genuine students. To this end, any fifth-year student-athlete, to be entitled to compete for Notre Dame, must enroll for at least nine hours of academic credit.

Fifth-year student-athletes who are either completing their undergraduate degree or enrolled in a graduate/professional-degree program already have adequate priority in garnering the appropriate courses. The remaining fifth-year student-athletes, however, must register as "unclassified graduate students," a category which wields virtually no priority whatever. Such student-athletes have had considerable difficulty not only in securing the courses set out in the academic plan presented to the Faculty Board, but also in effecting, as a "fallback," any arrangement of courses that promotes the Board's objective of coherent academic engagement. Without any dissent, the Faculty Board strongly feels that prior registration—that is, registration before virtually all others on campus—for this small group of student-athletes is both justified and necessary. Accordingly, just after the last meeting of the Board, the Chair wrote to Dr. Christine Maziar, vice-president and associate provost, asking her to pursue implementation of such prior registration. In that letter, the Chair stressed that academic, not athletic, concerns underlay

the request. Notre Dame will inevitably continue to have fifth-year student-athletes; the issue is whether it provides them the means to meaningful academic engagement during that fifth year. At the Chair's invitation, both Dr. Maziar and Dr. Pace, University registrar, came to today's meeting to address this issue].

Dr. Maziar reported to the Board that she brought "good news." After receiving the Chair's letter, she met with Dr. Pace to discuss the possibility of giving non-degree-seeking fifth-year student-athletes preferred registration status. Obviously, she and Dr. Pace faced some real concerns, among them the possibility of students taking advantage of the process. Moreover, both she and Dr. Pace felt a strong need to ensure that rising seniors be able to register for courses they require. That said, the University will undertake a two-year trial of a process that will provide these fifth-year student-athletes not prior registration, but a highly preferred registration status. These student-athletes will have the privilege of registering immediately after rising seniors. Of course, Dr. Maziar added, it will be crucial that student-athletes complete their "paperwork" in order to trigger the preferred-registration process. Dr. Maziar added that the Provost's Office felt uncomfortable with the idea of providing such preferred registration only for student-athletes; accordingly, the preferred-registration status will extend as well to other non-degree seeking graduate students. After some discussion of "timing" issues, including when decisions by head coaches to invite student-athletes back for a fifth year take place, when course listings become available and the like, the Chair suggested to Prof. Pope-Davis, who will head the Faculty Board next year, that he coordinate meetings of the Board and its subcommittee on academic integrity so as best to support the new registration process. In response to a question concerning the possibility that student-athletes might switch courses during the fall "drop" period, the Chair observed that ideally the Office of Academic Services for Student-Athletes should let the Chair of the Faculty Board know so that he might inform other Board members. Otherwise, the approval of courses proposed the previous spring by the fifth-year student-athlete would

mean virtually nothing. Dr. Maziar thanked Dr. Pace and his staff on their success in quickly effectuating this change, especially during this enormously busy time of the year. In turn, the Chair thanked both Dr. Maziar and Dr. Pace for their prompt and substantive response to the Faculty Board's request with regard to the registration of fifth-year student-athletes.

Dr. Maziar also provided a brief update on the "summer matriculates" program. Several years ago, the NCAA initiated a program under which incoming basketball players could be brought to the University for academic courses during the summer preceding their first academic year. For the summer of 2005 and thereafter, the NCAA extended the program to all incoming student-athletes, so long as non-athletic criteria govern the selection of particular student-athletes invited to participate in the program. For the summer of 2005, Notre Dame invited (in addition to basketball players) incoming student-athletes who a) could most benefit from such a summer program and b) competed in a sport whose championship season took place in the fall. Anticipating the summer of 2006, staff members from the Department of Athletics, from the Office of the First Year of Studies, from the Office of Student Affairs, and from the Office of Academic Services for Student-Athletes met to consider how many student-athletes could reasonably be supported in that program this summer. The group settled on a maximum of forty student-athletes. The University would deploy two separate orientation programs to cover all of these students. After this decision was taken, the Department of Athletics provided a list of all grant-in-aid students for fall sports. A committee comprising Mr. Dan Saracino, assistant provost for admissions, Mr. Kevin Rooney, associate dean for the First Year of Studies, Mr. Holmes and Prof. Bender, representing the Faculty Board on Athletics, received copies of the credentials of all the student-athletes. This information came devoid of identifying characteristics (for example, name, sex, ethnicity or sport). As it turned out, the number of students available fell within the forty-student "cap." Nonetheless, for the sake of transparency it was deemed important that this committee review the file of each student-athlete

involved. The Chair thanked Dr. Maziar for her report.

#### **5. Petitions for a Fifth Year of Eligibility:**

Prof. Bender, for the subcommittee on academic integrity, presented to the Board the subcommittee's recommendation that the petitions for a fifth year of eligibility submitted by thirteen student-athletes be granted by the Faculty Board. Of the thirteen candidates, eleven proposed to undertake graduate study while the remaining two proposed to complete their undergraduate degrees. The quality of the applicants this year, Dr. Bender observed, was "very good." The subcommittee assessed their applications very seriously. The modifications that the Board has put in place regarding fifth years of eligibility worked effectively. Dr. Bender specifically commended Mr. Holmes and the Office of Academic Services for Student-Athletes, which he directs, for their good work in insuring that all the paperwork and advising got done well and on time. Dr. Bender added that, since a different deadline applies to student-athletes in spring sports, the Board may yet receive a few other petitions. Mr. Holmes pointed out the important role played by Prof. Pope-Davis with regard to advising the unclassified graduate students. In response to a question from the Chair, Prof. Bender noted that the total number of petitions at this point resembles those of past years, although we have a disproportionate ratio of graduate to undergraduate applicants. Father Poorman: Are the courses listed on these petitions taken from the course catalog or from the actual schedule? In other words, are these schedules actually "doable"? Mr. Holmes responded that these schedules were indeed "doable." At this point, the Faculty Board unanimously approved Prof. Bender's motion, made as chair of the subcommittee on academic integrity and therefore needing no second, to approve the petitions for a fifth year of eligibility submitted by the following thirteen student-athletes: Craig Cardillo; Daniel Chervanick; Marcus Freeman; Chris Frome; Molly Huddle; Derek Landri; Brian Mattes; Rhema McKnight; Robert Morton; Ryan Postel; Stephen Rellas; Michael Richardson; and Daniel Santucci. All of the applicants are members of the football team except Ms. Huddle (women's track), Mr. Postel (men's track) and Stephen Rellas

(men's soccer). Mr. Cardillo and Mr. Postel will complete their undergraduate degrees; all others will study in the Graduate School. All thirteen candidates have been approved by the Office of Student Affairs.

#### **6. Report on Academic Performance of Student-Athletes for Fall 2006:**

Mr. Holmes, as director of the Office of Academic Services for Student-Athletes, reported on the academic performance of student-athletes during the Fall 2005 semester. For the first time ever, he reported, all twenty-four teams had semester grade-point averages above 3.0. Four teams (women's cross country, hockey, women's soccer and women's tennis) earned team grade-point averages above 3.4. Ten full-time student-athletes had perfect 4.0 grade-point averages. He reported that 15.4% of the student-athletes were on the Dean's List and 41.6% compiled grade-point averages of 3.4 or better. Also, 72.3% of the student-athletes compiled grade-point averages of 3.0 or better. Four student-athletes earned Academic All-American honors during the fall semester. Erika Bohn and Annie Scheffer (both from women's soccer) were named first-team Academic All-Americans, while John Stevens (men's soccer) and Lauren Brewster (volleyball) earned second-team honors. Five teams (baseball, men's basketball, football, hockey and women's soccer) amassed their highest semester averages ever. With regard to cumulative team grade-point averages, baseball, men's basketball, football, hockey and women's soccer currently boast the highest levels ever. For Fall 2005, the mean grade-point average for all student-athletes was 3.226; the mean grade-point average for all students was 3.391. The median grade-point average for student-athletes was 3.267, while that for all students was 3.479. Seven (out of 654) student-athletes finished the Fall 2005 semester on probation. Each of five teams had one member on probation, and only one team had two. Prof. Pope-Davis asked Mr. Holmes to what he attributed the increase in academic achievement among student-athletes during the Fall of 2005 and, in any event, whether these better numbers are statistically significant. Mr. Holmes demurred with regard to whether the numbers could be read as statistically significant. His Office, however, has made some significant

changes in the first-year program, and acquiring additional study space in the DeBartolo Hall has made a significant difference. The Chair asked whether a 3.0 grade-point average constitutes an appropriate benchmark for academic success nowadays. Years ago, of course, a 3.0 GPA might have signaled a fairly strong academic performance. In light of the fact that the median grade-point average of our typical student today hovers just below 3.5, might we not be instilling some complacency in attaching so much significance to the 3.0 number? Mr. Holmes responded that complacency plays no role; the challenge of his Office is to keep pushing with regard to improving grade-point averages. We look to maximize the academic performance of all our student-athletes. Prof. Bender asked whether we have made any progress in “leveling the playing field” with regard to the NCAA’s Academic Progress Rate (APR). Mr. Karwoski responded that the APR numbers will never be “corrected” in that respect. Alas, the NCAA uses each institution’s own standard of eligibility to compute the APR. Accordingly, schools like Notre Dame, which has a higher eligibility standard for student-athletes than most other institutions, will be disadvantaged in any comparison of APRs. We do try to explain this in our own press release, but of course the NCAA will not help us in their own reports. In one sense, therefore, the APR measures you against yourself, not against other institutions. Once people get a better understanding of those numbers, that idea might become clearer. Moreover, as the NCAA’s Graduation Success Rate (GSR) becomes more familiar, APR ratings will move “to the back burner.” Ultimately, the APR will become important only in the context of an NCAA-imposed penalty; Mr. Karwoski does not anticipate that opprobrium for any of the teams at Notre Dame. With regard to comparing student-athletes to the student body at large, Prof. Pope-Davis urged consideration of an “adjusted mean” that would exclude “outliers” from the calculation. The Chair: Aren’t “outliers” relevant? Unless they make up a significant number, Prof. Pope-Davis responded, they yield inflated figures. The Chair: If these outliers have a 3.9 grade-point average, that strikes me as acceptable, but the student-athletes and other students who carry, say, a 2.1 GPA should be taken into consideration

so that something might be done. Prof. Fallon worried that there might be an over- or under-representation of student-athletes in particular departments; obviously, some departments present more-difficult academic hurdles than others. Prof. Weber observed that this phenomenon makes it important to compare trends, as we have been doing. Prof. Pope-Davis insisted, nonetheless, that some “standard deviation” needs to be used. Some of these numbers, Prof. Kirkner added, depend on the size of the team, as well. The Chair thanked Mr. Holmes for his thorough report.

**7. Report of Subcommittee Chair:** Prof. Botting, chair of the subcommittee on student welfare, reported on that subcommittee’s effort to revise the provisions relating to the financial-aid review committee. These provisions provide the process through which student-athletes may challenge non-renewal of their grant-in-aid by the Department of Athletics. The subcommittee agrees that the hearing panel should be diversified. Information from other schools shows that most have someone from the faculty, as well as the vice-president for student affairs and someone representing student-athletes. The subcommittee thought that the student member of the Faculty Board on Athletics could best provide the student perspective. On two points, the subcommittee has some disagreement, Prof. Botting observed. First, what should be the substantive guidelines for the process? Culturally, Notre Dame has had a tradition of protecting student-athletes from non-renewals of grants-in-aid. (This tradition does not prevail at some other schools). So we have a stake in maintaining a higher bar. The second point of disagreement concerns the issue of witnesses. Currently, testimony may be submitted in written form. Some schools in the Big East Conference allow unlimited in-person testimony, coupled with cross-examination. Father Poorman indicated that, at least hypothetically, the possibility of cross-examination and of an unlimited number of witnesses raises significant concern. Prof. Kirkner noted, however, that we have had perhaps only two or three of these hearings during the last fifteen or twenty years. Perhaps we should honor whatever Mr. Joseph Russo, the director of Student Financial Strategies, prefers. After all, this

panel will have significant scheduling issues. The Chair urged that live testimony be permitted; the panel can learn a lot from demeanor, tone, and so forth. Cross-examination, however, should not be allowed. The panel can ask any questions that need be asked. Mr. Karwoski agreed that cross-examination should be barred. The Chair added that the number of witnesses need not be controlled by rule, as long as the panel retains the power to say when testimony becomes redundant, irrelevant or otherwise unneeded. Father Poorman urged that the provision avoid, as much as possible, the use of “legalese.” For example, terms like “witness” make him worry. The Chair agreed; every time legal language gets used in this sort of document, a lot of legal “baggage” and precedent can get implicated. The subcommittee, one Board member suggested, might consider using a hybrid: require anyone who makes an oral presentation also to provide a written statement. Mr. Wilcox argued that the hearing panel should have the power to decide whether a written or live statement should be taken; this could depend on the nature of the case. The Chair stressed that the provisions should reflect the tremendous loss at stake for the student-athlete in these situations. These student-athletes have a huge interest in Notre Dame—including their education, their potential degree, their course sequence, their friends and so forth. That interest should permeate our thinking. Mr. Brown worried about the burden of proof; if the burden of proof falls on the student, then spelling out a substantive standard becomes more important. Prof. Botting noted that the provisions at the University of West Virginia preclude basing the non-renewal of a grant-in-aid on the student-athlete’s athletic performance. Why shouldn’t we have that in writing? Mr. Karwoski: What if the student-athlete isn’t going to practice or is otherwise detrimental to the team? Mr. Brown worried about the wide range of interpretation made possible by a word like “detrimental.” Ms. Conboy expressed her concern that specifying a substantive criterion in writing might be seen as encouraging non-renewals. Father Poorman: Language like “not living up to expectations” and “team morale” makes me nervous. At this point, the Chair suggested that the suggestions made during today’s discussion be incorporated into a draft by

the subcommittee and then reviewed with the director of Student Financial Strategies and the Department of Athletics for their observations. The provisions should then be brought back to the Faculty Board for its assessment. The Chair thanked Prof. Botting and her subcommittee for the work involved in this process.

**8. Adjournment:** The Chair adjourned the meeting at 4:45 p.m.

## The University of Notre Dame Academic Council

Meeting of April 19, 2006

**Members Present:** Rev. John I. Jenkins, C.S.C., Thomas G. Burish, Dennis Jacobs, Jeffrey Kantor, Rev. Mark Poorman, C.S.C., Panos Antsaklis, Steven Buechler, John Cavadini, Austin Collins, Philippe Collon, Olivia Remie Constable, Tom Cosimano, Katie Crossin, Mary Rose D'Angelo, Kenneth DeBoer, Neil Delaney, Nasir Ghiaseddin, James Grace, Frank Incropera, Jennifer Keegan, Joseph Marino, Collin Meissner, McRae Miller, Robert Nelson, Carolyn Nordstrom, Patricia O'Hara, Hugh Page, Ava Preacher, Vijay Ramanan, John Robinson, Mark Roche, Jennifer Warlick, Carolyn Woo.

**Members Absent:** Seth Brown, Manish Kelkar, James McAdams, Richard Taylor, Bill Westfall

**Members Excused:** John Affleck-Graves, Jean Ann Linney, Christine Maziar, Gilberto Cardenas, Stephen Fredman, Hope Hollocher, Michael Lykoudis, Christian Moevs, Teresa Phelps, Ram Ramanan, Valerie Sayers, Scott Van Jacob, Jennifer Younger

**Observers Present:** Kevin Barry, Mary Hendriksen, LTC Kelly Jordan, Harold Pace, Daniel Saracino

**Observers Absent:** Dennis Brown, Don Wycliff

**Observers Excused:** Joy Vann-Hamilton  
The Reverend John Jenkins, C.S.C., opened the meeting at 3:05 p.m. Prof. Nordstrom offered a prayer.

### 1. Minutes of the meetings of March

**29, 2006:** The minutes of the meeting of March 29, 2006, were approved without change.

**2. Announcement regarding changes in the academic calendar:** Fr. Jenkins announced that the change to the academic calendar approved at the last meeting [dealing with years in which the first class day for the fall semester is August 28] will not apply to Fall 2007, as a prior commitment made by the University for August 2007 would cause a conflict with orientation for first-year students. The change will first take effect in the fall of 2012.

### 3. Changes to the *Academic Code*: (a) Changes other than Advanced Placement credit:

To align the *Academic Code* with actual practice, the Registrar's Office has proposed changes to various sections—for example, those dealing with class loads, the University's course numbering system, midsemester deficiency grade reporting, and final grade reporting. In advance of the meeting, members were given a handout with current and proposed language for the relevant sections.

At today's meeting, comments concerned only the course numbering system. A member asked about the use of "freshman" rather than "first-year student" in Section 10.1. Dr. Pace said that while the designation "first-year student" is generally preferred, in this instance, the term "freshman" is used to distinguish undergraduate entry-level courses from those taken by first-year *law* students.

After a motion to approve was made and seconded, the Council voted unanimously to adopt the suggested changes. They will be incorporated into the faculty handbook and *du Lac*.

**(b) Advanced Placement credit (Section 15.2(c))** Prof. Preacher explained that the proposal at hand, an amendment to Section 15.2(c) of the *Code*, has been working its way through the Undergraduate Studies Committee for two years. Its impetus is in the realization by several faculty members and administrators, supported by data compiled by Institutional Research, that Notre Dame is out of step with its peers in the way it applies Advanced Placement (AP) credit. Now, Notre Dame essentially allows *all* entering students' AP credit to

be applied toward University and college requirements or to be counted as electives. She then asked Prof. DeBoer to explain the provision further.

Prof. DeBoer reiterated that Notre Dame is more liberal than its peers in accepting AP credit. In addition, as Prof. Preacher noted, a recent report by the Office of Institutional Research verified that the sheer amount of AP credit grows every year. Many more first-year students enter the University with AP credit, and they are bringing more credit with them than ever before. Thus, nearly 25% of the students who enter with credit have more than 15 hours of it. [See report of the committee, attached as Appendix A.]

Prof. DeBoer said that while the committee began discussion of the problem by thinking about how the University might limit the amount of students' AP credit, they ran into difficulties in establishing new guidelines and also in thinking about how those guidelines might complicate graduation audits. Thus, on the recommendation of one of their number, committee members decided to approach the problem from the other direction. The proposed *Code* section—"A minimum of 60 credit hours at the University and a minimum of 90 credit hours earned after high school graduation through college and university courses" [are among the requirements for graduation]—tightens graduation requirements but does not limit the amount of AP credit students may bring to the University. If passed by the Council, the provision will allow the University to continue to treat AP credit just as it has in the recent past. Thus, all credit earned will be posted and can count toward graduation requirements. The change is that no matter how much AP credit is earned, every student must take 90 credits of *college-level* courses. This, committee members, believe will enhance the academic engagement of students and challenge them to take more courses here at Notre Dame—all without complicating either graduation audits or putting excessive demands on upper-level courses.

Seeing no discussion of the proposal, Fr. Jenkins called for a vote on amending Section 15.2(c) of the *Code* to add that students must earn 90 credit hours from college and university courses after their graduation from high school. It passed unanimously.

**4. Endorsement of the report “How Can We Better Inform Students at the Time of Course Selection?”, a proposal to the Notre Dame community from an *ad hoc* committee of members of Student Government, the Graduate Student Union, and the Faculty Senate:**

Prof. Jacobs began by providing a short history of the proposal prepared by the committee. For many years, he said, Notre Dame students have expressed concerns about how they can obtain accurate and comprehensive information about course offerings. One way Student Government sought to meet that concern was to make a formal request to the Academic Council, in September 2003, for student access to data from the University’s Teacher Course Evaluations (TCEs). The students suggested that access to TCEs could occur via a secure login on IrishLink, with instructors having the opportunity to provide additional comments about their courses in an adjoining text box.

Prof. Jacobs then reviewed the ways that students currently find out about courses. First, the University’s *Bulletin of Information* contains course descriptions. Frequently, however, those descriptions are outdated, and because the entries are generally not written by the course instructor, they often fail to contain the kind of detail that would allow a student to fully understand or appreciate the scope of a course. Second, students glean anecdotal information about courses in which they are interested—for example, by talking to someone in their residence hall who might have taken the course or even with someone who has *not* taken it. Third, an advising system exists which, at times, is very good but, at other times, can be quite spotty. Even when the system works well, though, students are not always able to collect the detailed information many of them desire about a particular course—especially if that course is outside their own major or outside of their advisor’s area of specialization. Finally, students may look for information about courses in places like NDToday.com, an independent Web site, or rateyourprofessor.com—sites, he said, that have very low response rates, even as low as one percent, have poorly written and unvalidated questions, and do not truly represent a systematic way of looking at what is involved in a course.

While trying to address students’ concerns about more complete course descriptions, Prof. Jacobs said, many faculty and administrators involved in the conversation pointed out that the TCEs have a very specific purpose—primarily, to provide information for confidential personnel decisions on tenure, promotion, and salary increases—and many faculty feel that they should not be distributed widely across campus. Yet, given the legitimate need to provide students with more and better course information, a faculty/student committee was brought together to explore the matter further. Two student members of the Academic Council, Rae Miller, a second-year law student, and Vijay Ramanan, Academic Commissioner for Student Government, were on that committee and can speak today to its methods and proposal. From his perspective, Prof. Jacobs said, the committee worked very effectively in first identifying the kinds of information students desire and then prioritizing it.

Prof. Jacobs next distributed a mock-up of a proposed course information form with simulated data for a hypothetical course. In addition to the information itself, the mock-up revealed the source for each item of information. Thus: (1) The instructor provides a course description; primary learning goals; a description of how class time is used (e.g., lecture, small group, discussion); and information on the kinds of assignments and types of reading materials students should expect, the role of teaching assistants, and any additional comments [“yellow” data] (2) The Registrar and Institutional Research provide information on prerequisites and enrollment (e.g., the class size and some demographic information about who has taken the course over the last three years) [“pink” data]. (3) Student ratings from the course in years past are presented on a sliding scale for five measures [“blue” data]:

- The instructor promoted my learning in this area.
- The assignments and activities of this course promoted my learning in this area.
- I felt engaged in this course.
- The instructor was respectful of students and their points of view.

- The instructor was accessible to students outside of class time.

Prof. Jacobs explained that the proposed course information form was developed by Institutional Research (IR) and piloted in two stages—first by six faculty members and their students and then by about 50 faculty members. In most cases, rather than an absolute number, the form provides data in a way that is intended to show subtleties and emphasis rather than absolutes. For example, in the student ratings section, responses are represented on a sliding scale—from “strongly agree” to “strongly disagree”—rather than by mean scores. This is intended both to provide a more detailed and nuanced view of a course and professor, and to discourage students from ranking courses by simple numerical means. He pointed out that even if a student is not trying to distinguish between courses but knew that she was going to take a particular course taught by a particular instructor, the course information form would be valuable in that it provides an outline of the instructor’s ambitions for the course and informs the student what components of the course are most important.

Before opening up the proposal for discussion, Prof. Jacobs noted: (1) Responses from students in the pilot stage were very positive. Moreover, the Student Senate has reviewed the form and strongly endorsed its use. (2) Concerning the student data, Prof. Jacobs said, it is important that if the course information form is adopted, the information it contains should remain distinct from the TCEs. Data from course information forms should not be crossed over into personnel decisions.

After saying that he liked the form very much, Prof. Roche offered a few technical suggestions—including “dialogues” in the list of course materials, changing “class participation” to “class contribution,” and standardizing the form’s rankings information.

In response to a question from Prof. Warlick, Prof. Jacobs clarified that the items listed on the color-coded hand-out are only a select subset of questions. Thus, in its final form, Question 4, for example, listing the ways that classroom time is utilized, would include 15 choices, not only the four displayed on the mock-up.

Prof. Antsaklis noted that the course information form will be an evolving document. Even if all Council members agreed today on the selection of questions, he said, five years from now, the form will need adjusting. He suggests that faculty members be given an opportunity to offer feedback periodically on the types of questions that produce a good description of their courses.

Prof. Jacobs responded that one way the committee tried to add flexibility to the form was by adding “other” after each question, followed by an open text box in which instructors can be very specific—for example, as Prof. Roche said, specifying “dialogues” in the lineup of readings. If certain responses appeared in those boxes frequently, they could be added to the actual list—which is what occurred at the pilot stage.

Prof. Constable offered a suggestion for Question 3, which asks instructors to list their “five most important learning goals.” Rather than a numerical ranking system, she said, it would be preferable to list the goals in a bullet format, so that students would not be misled into thinking that an instructor’s goals for a course had an absolute rank.

Prof. O’Hara asked if any law classes were included in the pilot study.

Ms. Miller answered that while she does not know if any law professors participated in the pilot study, the survey has been reviewed by law students for their feedback. Some of their suggestions, which were quite specific to law classes, were added to the questionnaire.

Prof. O’Hara then noted that while the sample Course Information Form has a space for “number of respondents,” frequently, with TCEs, a pronounced difference exists between actual enrollment in a course and the response rate. This discrepancy would be a concern with these forms as well if the information collected for them will supplement TCE data. Yet, Prof. O’Hara said, it is her understanding that the course information form is *not* intended to cross over into the evaluative sphere. She asked if it is correct that deans and department chairs would not have access to any of the student ratings information.

Prof. Jacobs responded that, on the implementation side, he and the committee are working with Office of Information Technology (OIT) personnel, Institutional Research, and the Registrar on the particulars of a campus roll out. It was the committee’s intent that students would access the course information from the Banner system by using their Net ID. If that is the case, the option exists of allowing only students—and not faculty—to access the data. Thus, for any particular course, any University faculty member could see the description, learning goals, use of class time, etc., but the faculty member’s “blue” ratings—i.e., the ratings on whether “the instructor promoted my learning in this area,” or “the assignments and activities of this course promoted my learning in this area”—would be available only to students.

Prof. O’Hara said that there could be real difficulties if students have access to information unavailable to faculty and administrators. For example, in the Law School, students take a significant number of required courses. If there is a disparity in the “blue” student ratings section for instructors of these courses, she can imagine that students will complain. She recalls raising this question at a deans’ cabinet meeting.

Prof. Jacobs said that one of the things being tested in the current pilot study—which includes courses ranging from small seminars to large lectures—is how much variation exists between responses for the questions listed in the “student ratings” portion of this form and responses collected for the same instructor’s TCEs. As a dean, Prof. O’Hara would have access to the distribution of responses for all 19 questions on the TCE. Students would have access to separate information—the information collected for this course information sheet. An important issue and one he hopes will be resolved in the pilot study is whether there is a significant disconnect between the two sets of information.

Then, Prof. O’Hara asked, a first-year student who is assigned to one of two required sections would have access to data on how *both* the professors teaching the course scored in this “blue” area?

Prof. Jacobs said that would be true.

Yet, Prof. O’Hara asked, none of that information would be available to administrators?

Prof. Jacobs answered that is the committee’s intent.

Prof. Nordstrom noted that most of the questions in the student ratings section are nearly identical to questions on the TCE. She agrees that it would be very problematical if there proves to be a large disconnect between this information and TCE data.

Prof. Jacobs agreed—and said that underscores why the pilot stage is important. Roll-out of the course information form could not occur, he estimates, for another year and a half. If there is a huge disparity in how students rate professors on the course information forms and the TCEs, then the committee will need to go back and look at these particular questions and what they are measuring.

Prof. O’Hara said that it appears to her that the data collected for the course information form is tantamount to the TCEs. The difference is that the ratings are not reduced to a numerical score.

Prof. Jacobs responded that the course information forms deal with a subset of questions—and the answers to those questions greatly influence students’ course selections. The information they provide is quite different from the information needed to make a decision on whether to promote a faculty member or not. And, Prof. O’Hara is correct, within the context of course information, the answers collected for this form are not reduced to a numerical score.

Prof. Constable observed that while it appears that every effort is being made to be extremely honest and honorable about the issue, information is not truly protected by a stipulation that it can be accessed only with a student ID. If administrators or other faculty members want the information collected in connection with the course information sheets, they could certainly be able to obtain it—even by asking a student worker to “please print up all the evaluations for such-and-such a list of courses.”

Prof. Jacobs said that it is true that once information relevant to course information is available to a sub-population it would



be nearly impossible to prevent it from going beyond that select group. On the other hand, if the University community is interested in protecting the data from misuse, it *is* possible to define its permissible use. Thus, we could forbid data collected for the course information material forms from being entered into a Provost's Advisory Committee (PAC) file for a tenure candidate

Prof. Constable said that she believed that to be a more reasonable approach than attempting to limit access by way of student identification.

Prof. Warlick asked when in the academic year instructors would provide information about a future class and how often instructors could revise what they have submitted.

Prof. Jacobs said that both questions relate to the fine points of implementation. He does not now have the answers to them now, but two scenarios are possible: information could be generated only at certain intervals, or it may be possible to update it nearly instantaneously.

Prof. Warlick pointed out that if an instructor substantially reworked a course the summer after course information was submitted, there could be a real difference between description and reality.

Prof. Jacobs responded that the information could be dated and a note added to the Web site that information on courses is subject to change. And, in response to another member's comment, he said that the faculty would be sent an e-mail reminder every semester that the system is available and they should submit or update course information.

Fr. Jenkins then suggested that Prof. Jacobs seek endorsement of the proposal to adopt a course information form. Prof. Jacobs did so, noting that in the next round of fine tuning, several suggestions made by Council members would be adopted. After his motion was seconded but before a vote, more discussion occurred on the issue of access to the "blue" ratings section of the proposed course information sheet and on the mechanics of the process.

Prof. Roche said he wanted to make sure that he understood the outcome of the discussion on Prof. O'Hara's questions regarding access to instructor ratings

information. He asked whether a vote to approve indicates approval of a three-part policy: (1) faculty members would have access to all three sections of the course information sheet for their own courses; (2) other faculty members and administrators would have access to the (yellow) "course description" and (pink) "related courses" sections but not to the (blue) "student ratings" section; and (3) none of the information available on the course information sheet could be considered in tenure and promotion cases.

Prof. Jacobs confirmed that unless a motion is made otherwise, as proposed, information in the blue ratings section would be available only to students by Net ID access. A faculty member could see his or her own full form; all others in the Notre Dame community would see only the "course description" and "related courses" sections.

Referring to the difficulties with this system pointed out earlier by Profs. O'Hara and Constable, Dr. Burish said it would seem odd that when seeking help from an advisor or assistant dean in selecting courses or creating a program, a student would have access to the ratings sections of course information forms but the advisor could feel that it is inappropriate for him or her to consult them as well. Given that thousands of students would have access to the course information forms, he would suggest that the only tenable position is that information they collect cannot be considered in an evaluative way—that is, for promotion or tenure.

Prof. Jacobs responded that the committee was merely trying to respond to the concern expressed by some faculty members that they do not want colleagues to have access to their "blue" ratings sections. If sensitivity to that issue is not real, he would agree with Dr. Burish.

Prof. Woo said that there is little doubt that sensitivity to the confidentiality of the ratings information is real; however, Dr. Burish's point is that it is so difficult to prevent administrators and other faculty from seeing the ratings information that it is pointless to try to prevent it. The only possible answer to the sensitivity is that ratings information cannot be entered into PAC files.

Prof. Woo then asked whether all faculty are required to complete a course information sheet or whether the committee intends it to be optional.

Prof. Jacobs said while there is no plan now to enforce a requirement, the Provost's Office will strongly encourage faculty to participate in the course information initiative. He expects that department chairs and college deans will do the same. He would predict, however, that the real impetus for near-universal participation will come from students. If students try to pull up this form for a particular course and its yellow sections are completely blank, that would reflect poorly on the course and instructor.

Prof. Woo pointed out that some instructors might set up a personal Web site with even more information on their courses than the course information sheet provides.

Prof. Jacobs responded that there will be a space on the course information sheet for a link to the instructor's Web site. He added that the committee did show students a dozen or so syllabi and asked them for comments. The overwhelming reaction was that, typically, syllabi do *not* provide the necessary information. They either do not answer the kinds of questions asked on the yellow form, or, at times, they are too long for students to sift through and make a decision.

Mr. Ramanan said that while the yellow portion of the course information sheet compiles information that might exist elsewhere, it advantage is placing that information in a format that is clear and easy to process. Moreover, the form is relatively painless for faculty to complete. In the pilot studies, it took faculty members only 10 to 15 minutes to supply the necessary information.

Discussion then returned to the question of access to the "blue" ratings section. Prof. Roche said that he agrees it seems silly for an advisor to refuse to look at a print-out of a course information sheet shown to him or her by a student; however, that is not the same as saying that because the ratings information *could* become available to people other than students the University *should* make it easily accessible. While no one is arguing that the information should become part of a PAC file, another position is that if a student shares the information with an

administrator, that person should not feel that confidentiality has been compromised. Yet a third position—which, he understands, was the spirit of the discussion in the Faculty Senate—is that the ratings information exists exclusively for students. Thus, he thinks the University should not make it easy for people other than students to see the “blue” ratings information.

Prof. Jacobs agreed.

Prof. O’Hara asked for clarification of the answer to Prof. Woo’s question of whether faculty members could opt out of participation.

Prof. Jacobs responded that even if the “yellow” course description information is left blank, the “pink” historical information would exist; and, if the course had been taught previously, the “blue” ratings section would exist as well. As he said earlier, while instructors will not be required to complete the course description information, department chairs will be sending a strong message that cooperation with this program is highly encouraged.

Prof. Antsaklis said it seems odd that his chairperson has access to his TCEs but not to the blue ratings section of this form.

Prof. Jacobs emphasized that the TCE and the course information sheet are entirely different forms that have been created for entirely different purposes. The questions in the “blue” section of the course information sheets are written by students for students. The TCEs are created by the administration and the faculty to evaluate teachers and courses for the purpose of tenure decisions, promotion decisions, teaching assignments, and the like.

Prof. Incropera said that he thinks that definition is too rigid. A department chair or dean could find the ratings information very useful in mentoring faculty members or making future teaching assignments. He advocates making the ratings information available to department chairs and deans.

Prof. Warlick posed other “when” questions: When during the semester can students enter the Web site and answer the blue questions? Can they answer them only once? She pointed out that student responses to the questions may be different after grades are distributed.

Prof. Jacobs said he believes that students would answer the course information questions at the same time they complete the TCEs—which is prior to grading.

Prof. Preacher said she agreed with Prof. Incropera. The impetus for creation of the course information sheets was students asking for some kind of descriptive ratings information. And, because the TCEs contain confidential information, this separate form was created. It seems odd to preclude other legitimate uses of the form.

Prof. Jacobs said the answer to Prof. Preacher’s question lies in the intent behind the forms: to create a system that supported students at the time of course selection. Because he is not in the market for engineering courses, he should not have access to Prof. Antsaklis’ course information sheet. All along, a perception of faculty sensitivity to broad distribution of the ratings information has driven the access question. If that sensitivity is not real or it is relatively minor, it is easy enough to make the ratings information available to the entire Notre Dame community.

Dr. Barry, associate director of the University’s Kaneb Center for Teaching and Learning, commented that making the course information sheets public may provide an opportunity to change some faculty members’ views on the appropriateness of keeping such information confidential. All faculty members’ research record is a matter of public knowledge; many would argue that teaching records should be no different.

Prof. Jacobs responded that others are not able to see peer evaluations of faculty members such as those performed by journal referees or reviewers of grant proposals.

Dr. Barry answered that he and others at the Kaneb Center try constantly to convince faculty members to be public about their teaching and to share what they are doing with each other. It might have a positive effect on the climate to have ratings information public. Too many faculty members go about teaching in isolation.

Prof. DeBoer asked for clarification of the Academic Council’s role today. Is it merely to approve continuation of the pilot? If so, perhaps the Council need not resolve the issue of access today.

Fr. Jenkins said it might be helpful to have a show of hands indicating what level of access Council members prefer.

Prof. D’Angelo suggested that the Council revisit the question of access after completion of IR’s study exploring the relationship between the TCEs and the course information sheets’ ratings. If she were a junior faculty member coming up for tenure, she might ask to have the ratings information included in her file.

Prof. Jacobs explained that the timetable for the project is such that he needs a vote by the Council today. Institutional Research will complete the pilot in the coming two weeks. Data from that will allow the committee to validate the “blue” ratings section by making sure it is consistent with the TCE data. If the sets of data are inconsistent, IR will modify the course information sheet and do further testing. If they are consistent, IR will use the summer to begin working with the Office of Information Technology to build the infrastructure for the program. Thus, some kind of green light is necessary so that the opportunity for a summer’s worth of work will not be lost, or work done over the summer will not be wasted.

Prof. D’Angelo explained that she was suggesting only tabling the access question—not the project in general.

Prof. Woo pointed out that there has been absolutely no objection to the design of this whole instrument. To move the matter forward, the Council could take a formal vote to determine if there is agreement on accepting this particular instrument.

After more comments on the desirability of deciding the question of access at a later date, Dr. Burish pointed out that time will not provide Council members with any additional information. Prof. Jacobs has said that if the results of the study are not consistent with comparable questions on the TCE, he will not proceed. Thus, members have all the information necessary to make a decision.

Prof. O’Hara said she continues to see the access issue as problematical. The entire course information form project began with the premise that TCEs should not be disclosed to students or the University community. Given that information in

the “blue” ratings section is expected to be consistent with the TCEs, why should there *not* be concerns with open access to them?

Prof. Jacobs said that while the ratings information should be *consistent* with certain TCE questions, it is not identical to them. The point of the study comparing ratings information and the TCEs is to validate the student questions on the course information form. In other words, it is a statistical check. A student who views the distribution of responses to the five questions proposed here would not be able to accurately predict the confidential responses to all 19 TCE questions and, hence, would not have privileged access to information used for personnel decisions. For example, there is no equivalent to TCE Questions 15 or 17 on the course information form. On the other hand, an administrator who has access to a faculty member’s complete TCE report would not learn anything substantively different from viewing the responses to the five questions on the blue portion of the course information form than he/she could cull from the TCE report.

To further illustrate the distinction between these two sets of questions, Prof. Jacobs pointed out that students, faculty, and administrators would all agree that the most desirable answer to each of the five questions posed here is “strongly agree.” This is not the case for TCE Question 15, which is the question on student time spent on a course. If the responses to TCE Question 15 were made public, students might gravitate to courses that require less time, whereas administrators would be alarmed about rigor in courses that had low marks on TCE Question 15.

Prof. Constable asked how long the committee was planning to archive the information collected.

Prof. Jacobs answered that a three-year window is intended. If courses were taught repeatedly in multiple semesters in that three-year period, it would be possible to accumulate average responses to the questions. And, there is no plan to archive this information longer than three years.

Prof. Delaney pointed out that the answer to the question on access depends on context. If a person perceives the ratings information as a subset of the TCE, the answer may be one thing. Yet, if it is looked

at as an aid to students wanting to know what they are “getting into,” the answer may be different. Now, students’ sources of information are NDToday and word of mouth. Committee members have been constructing a way for students to collect information on courses that is more statistically reliable than either method. And, that way has nothing to do with TCEs. Both NDToday and anecdotes are far more specific than the course information sheets—just less statistically interesting. All seem to agree that the other two components of this particular form are completely innocuous. If the course information form is described as an “upgrade” of information now available, it is difficult to have an objection to it.

Prof. Jacobs then framed the three possibilities for a vote:

Proposal A: only students and the individual instructor have access to the “blue” ratings information;

Proposal B: only students; the individual instructor; and deans, chairs, and other appropriate administrators have access to it;

Proposal C: the entire Notre Dame community has access.

In response to a suggestion by Prof. Incropera, Prof. Jacobs asked for a vote on each proposal separately—to allow for multiple preferences.

The vote was 17 in favor of A; 15 in favor of B, and 12 in favor of C.

Then, the vote was changed to only one preference, which resulted in Proposal A prevailing.

Prof. Jacobs pointed out that Proposal A is the proposal as written: only students and the instructor have access to the ratings information.

When voted on as a whole, the proposal passed with one negative vote

## 5. Committee Reports:

(a) **Undergraduate Studies:** Prof. Preacher said that two items on the committee’s agenda, the Advanced Placement proposal and the proposal for better informing students of course offerings, were presented to the full Council today. For the third item on this year’s agenda, faculty feedback to admissions, subcommittee members met with members of the admissions office and

came up with a list of recommendations. While it is not appropriate to bring those recommendations forward as motions, subcommittee members have asked her to enter them in the record so that next year’s committee may continue work on them.

The first recommendation is to initiate and coordinate regular group meetings between teaching faculty and admissions office counselors for specific feedback about students in the different colleges. Mr. Saracino, assistant provost for enrollment, was very receptive to this idea and will pursue initiating those kinds of group meetings. It is envisioned that they would occur once or twice a year, separately for each college, with departments and colleges designating representatives.

Committee members also recommended that Institutional Research undertake a few surveys related to admissions. One would focus on faculty and deal with the intellectual life and academic performance of undergraduate students. Information collected could be extremely helpful to admissions as well as to such university units as First Year of Studies, Student Affairs, and various deans’ offices.

A second survey, Prof. Preacher said, could deal with the impact, if any, on admissions from decisions made today regarding AP credit. What the Council decided today was not an enormous reduction or change in the way that AP credit will be used, but members are curious what would happen if, in fact, the University further reduced the use of AP credit. Such a decision might affect not only admissions but other matters, such as seat demand in upper-level courses.

A third area of interest for committee members is the University’s honors programs and how they affect recruiting. Members have questions on their effectiveness—for example, *do* they bring in the best students? If so, how many?

Finally, there is interest related to admissions in the University’s pre-college programs. Of the current programs, some show extreme promise in bringing some very good students to the University. Should they be expanded? In what way? Do we need more of them?

**(b) Faculty Affairs:** Prof. Robinson said that the committee focused its energy this academic year on issues related to the conversation Fr. Jenkins initiated on academic freedom and Catholic character.

**(c) Graduate Council:** Prof. Constable explained that members of the Graduate Affairs Committee were regular members of the Graduate Council. Academic Council members presented several items to the Graduate Council for consideration—all of them were discussed and a number of them culminated in specific actions.

Some items of importance acted on by the Graduate Council in the 2005–2006 academic year were: (1) establishment of a new policy on graduate student grievances and appeals; (2) establishment of a temporary leave policy for graduate students for medical reasons; (3) to protect the identity of students, a recommendation that the written form of graduate TCEs be typed before the professor sees them; and (4) approval of guidelines for new graduate programs. In addition, Prof. Constable noted, the Graduate Council discussed the regular review procedures for academic departments and heard two important presentations—one from the Graduate Student Union on academic freedom and another by Hilary Crnkovich, vice president for public affairs and communication, on ways her office is working to better promote the Graduate School.

Before adjournment, Fr. Jenkins thanked all members, but particularly the committee chairs, for their work this year.

## 2006–2007 Publication Schedule for Notre Dame Report Vol. 36

No. 1

Deadline: Wednesday, September 13  
Publication Date: Friday, September 29

No. 2

Deadline: Wednesday, October 11  
Publication Date: Friday, October 27

No. 3

Deadline: Wednesday, November 15  
Publication Date: Friday, November 24

No. 4 listing of faculty and offices)

Deadline: Wednesday, November 15  
Publication Date: Friday, December 8

No. 5

Deadline: Wednesday, January 3, 2007  
Publication Date: Friday, January 19

No. 6

Deadline: Wednesday, February 14  
Publication Date: Friday, February 23

No. 7

Deadline: Wednesday, March 21  
Publication Date: Friday, March 30

No. 8

Deadline: Wednesday, April 11  
Publication Date: Friday, April 27

No. 9

Deadline: Wednesday, May 16  
Publication Date: Friday, June 1

No. 10

Deadline: Wednesday, July 18  
Publication Date: Friday, August 3

## 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.1@nd.edu](mailto:ndreport.1@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.1@nd.edu](mailto:ndreport.1@nd.edu).

# Research

## Awards and Proposal Summary

06/01/2006 to 06/30/2006

### Awards Received

Category	No.	Amount
Research	40	\$9,311,854
Instructional Programs	4	\$691,225
<b>Total:</b>	<b>44</b>	<b>\$10,003,079</b>

### Proposals Submitted

Category	No.	Amount
Research	66	\$27,856,307
Instructional Programs	3	\$2,745,000
<b>Total:</b>	<b>69</b>	<b>\$30,601,307</b>

## June 2006 Cumulative summary

### Awards Received

Category	07.01.2003 - 06.30.2004		07.01.2004 - 06.30.2005		07.01.2005 - 06.30.2006	
	No.	Amount	No.	Amount	No.	Amount
Research	412	\$70,834,990	393	\$79,654,148	398	\$70,098,428
Facilities and Equipment	1	\$349				
Instructional Programs	12	\$2,307,650	9	\$1,123,719	7	\$999,771
Other Programs	1	\$62,500				
Service Programs						
<b>Total:</b>	<b>426</b>	<b>\$73,205,489</b>	<b>402</b>	<b>\$80,777,867</b>	<b>405</b>	<b>\$71,098,199</b>

### Proposals Submitted

Category	07.01.2003 - 06.30.2004		07.01.2004 - 06.30.2005		07.01.2005 - 06.30.2006	
	No.	Amount	No.	Amount	No.	Amount
Research	734	\$272,479,556	770	\$220,099,574	824	\$219,182,915
Facilities and Equipment						
Instructional Programs	12	\$3,826,762	19	\$3,384,304	26	\$7,062,101
Other Programs					1	\$5,000
Service Programs						
<b>Total:</b>	<b>746</b>	<b>\$276,306,318</b>	<b>789</b>	<b>\$223,483,878</b>	<b>851</b>	<b>\$226,250,016</b>

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](mailto: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 Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C. Thomas, Flint O. Dunn, Patrick F. Morris, Scott C. (Center or Institute) Jumper, Eric J. Nelson, Robert C.	Wind Tunnel for Airbourne Platform Laser and Flight Control	Department of the Air Force	\$2,838,276	12
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	\$180,854	12
Jumper, Eric J. (Center or Institute)	Malley Probe Measurements of Aircraft Prop-Wash	Corporate Funding	\$5,000	2
Morris, Scott C. (Center or Institute)	Experimental Measurements of a Low Noise Trailing Edge	Stanford University	\$30,000	21
Ovaert, Timothy C.	Mechanical Modeling and Wear of Orthopedic Hydrogels	Corporate Funding	\$82,860	24
Renaud, John E. (Center or Institute)	Nonlinear Crackworthiness Design Tool Development Using Cellular Automata	Corporate Funding	\$141,927	12
<b>Department or Office:</b>	Biological Sciences			
Adams, John H. (Center or Institute)	Developing a Transposon-based Toolkit for Genetic Analysis of Malaria Parasites	National Institutes of Health	\$226,500	12

**Awards received during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Hellmann, Jessica J. Feder, Jeffrey L. Lodge, David M.	Genomic Research on Terrestrial Insects and Aquatic Microorganisms as Indicators of Global Change	Department of Energy	\$155,000	12
Hellmann, Jessica J.	Application for Career Enhancement Fellowship	Private Foundation	\$31,500	12
Suckow, Mark A. (Center or Institute)	Surgical Adhesion Barrier	Corporate Funding	\$2,925	3
<b>Department or Office:</b>	Center for Social Concerns			
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	Private Foundation	\$25,000	3
<b>Department or Office:</b>	Chemical Engineering			
Maginn, Edward J. Brennecke, Joan F.	Design and Evaluation of Ionic Liquids as Novel CO2 Absorbents	Department of Energy	\$29,970	36
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Palmer, Andre F.	Mechanically Stable Blood Substitutes	National Institutes of Health	\$375,000	12
Zhu, Yingxi E.	The Interfacial Structure of Water on a Hydrophobic Surface: A Mechanistic Study	Private Foundation	\$35,000	24
<b>Department or Office:</b>	Chemistry and Biochemistry			
DuBois, Jennifer Awaya, Jonathan D.	Iron Acquisition by Pseudomonas mendocina strain ymp	National Science Foundation	\$120,000	36
Joyce, David E. (Center or Institute)	Evaluation of Thrombospondin Peptide, ABT510, in Min/+ Mouse Intestinal Adenoma	Corporate Funding	\$7,310	36



**Awards received during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Kuno, Masaru K. Jena, Debdeep (Center or Institute)	NER: Modulation doped colloidal quantum dots and solution-based semiconductor nanowires	National Science Foundation	\$98,129	12
Kuno, Masaru K.	Disorder induced optical heterogeneity in solution-based straight/branched semiconductor nanowires	Private Foundation	\$100,000	60
Mobashery, Shahriar	Novel Approach for Inhibition of the MT1-Gelatinase Axis in Cancer Invasion	Wayne State University	\$219,013	48
Serianni, Anthony S.	Glucose Modification of Proteins in Diabetic Nephropathy	Vanderbilt University	\$34,373	12
Sevov, Slavi C.	Novel Open Frameworks of Metals, Metal Complexes, or Metal Clusters Interconnected with Multifunctional Linkers	National Science Foundation	\$315,000	35
Wiest, Olaf G.	Structure, Reactivity, and Selectivity of Hydrocarbon Radical Cations	National Science Foundation	\$116,000	35
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A. (Center or Institute)	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,000,000	60
Kurama, Yahya C.	Precast Concrete Coupling Beams for RC Walls	National Science Foundation	\$5,500	30

**Awards received during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Computer Science & Engineering				
Chen, Danny Z.	Computational Geometry Algorithms for Medical Problems in Radiation Therapy and Medical Imaging	National Science Foundation	\$90,609	36
Flynn, Patrick J. Bowyer, Kevin W.	Characterizing 3D Face Data, Sensors, and Collection Procedures	Corporate Funding	\$60,000	4
Flynn, Patrick J. Bowyer, Kevin W.	Characterizing 3D Face Data, Sensors, and Collection Procedures	Corporate Funding	\$60,000	4
Striegel, Aaron	Equipment/Property Donation	Corporate Funding	\$58,000	12
<b>Department or Office:</b> Electrical Engineering				
Costello, Daniel J. Fuja, Thomas E.	Bandwidth Efficient Coding Techniques	NASA - Goddard Space Flight	\$75,000	24
Fuja, Thomas E. Costello, Daniel J. Laneman, J. N.	Coding/Routing Interaction in Mesh Networks	Corporate Funding	\$20,660	12
<b>Department or Office:</b> Mathematics				
Connolly, Francis X. Hahn, Alexander J. Nicolaescu, Liviu Gekhtman, Michael Gursky, Matthew J. Polini, Claudia	EMSW21MCTP Notre Dame Honors Mathematics Program and the Seminar for Undergraduate Mathematical Research	National Science Foundation	\$778,536	60
<b>Department or Office:</b> Physics				
Balsara, Dinshaw S. Howk, Jay C. (Center or Institute)	Simulating the Turbulent, Multiphase Intersellar Medium: Comparing with Observations	National Science Foundation	\$111,988	36

**Awards received during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Janko, Boldizsar Snider, Gregory L. Kuno, Masaru K. (Center or Institute) Merz, James L.	NIRT: Spatial and Intensity Modulation of Light Emission in Fluorescent Molecules, Quantum Dots, and Nanowires	National Science Foundation	\$1,199,544	48
Kolata, James J.	Nuclear Reactions Studied With Short-Lived Nuclear Beams	University of Michigan	\$81,968	36
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin Afanasjevs, Anatolijs (Center or Institute)	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$124,000	12
<b>Department or Office:</b>	Political Science			
Keys, Mary M.	Humility and Modernity	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	Psychology			
Cummings, E. M. (Center or Institute)	Child Regulation and Exposure to Marital Violence	Auburn University	\$54,507	10
Kim, Irene J.	Youths' Emotion Regulation: Mediators and Moderators	National Institutes of Health	\$75,000	12
<b>Department or Office:</b>	Sociology			
Smith, Christian	Research on the Religious Practices of American Youth	University of North Carolina	\$291,905	18
<b>Department or Office:</b>	Theology			
Matovina, Timothy M. (Center or Institute)	Soy Catequista: The Dignity, Vocation and Mission of the Catechist	Private Foundation	\$15,000	11

**Awards received during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Instructional Programs</u></b>				
<b>Department or Office:</b> Center for Social Concerns				
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	Private Foundation	\$11,162	12
<b>Department or Office:</b> Office of Research				
Morehead, Jennifer A.	OHRP Community Forum: "Bridging the Regulatory Gap: Biomedical & Social/Behavioral Research are Closer Than You Think"	Health & Human Services	\$4,999	4
<b>Department or Office:</b> Psychology				
Pope-Davis, Donald B.	McNair Post-Baccalaureate Achievement	Department of Education	\$237,796	24
<b>Department or Office:</b> Upward Bound				
Coates, Alyssia J. (Center or Institute)	Upward Bound Program	Department of Education	\$437,268	24

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C. Thomas, Flint O. Renaud, John E.	Plasma Enhanced Aerodynamics for Lift Augmentation and Flight Control Without Moving Surfaces	National Aeronautics and Space Administration	\$625,492	36
Corke, Thomas C. Thomas, Flint O.	Intelligent Helicopter-Rotor Flow Control Using on-Blade Plasma Actuators and Sensors	National Aeronautics and Space Administration	\$607,272	36
Corke, Thomas C. Matlis, Eric H.	Plasma Sensor for High Bandwidth Mass-Flow Measurements at High Temperatures and Mach Numbers with RF Link	National Aeronautics and Space Administration	\$610,216	36
Gordeyev, Stanislav V. Thomas, Flint O.	A Novel Non-Intrusive Experimental Technique for Investigation of the Physics of Subsonic Jet Noise Production	National Aeronautics and Space Administration	\$442,974	36
Jumper, Eric J.	Aero-Optical Investigation of a Pod Directed Energy System	Department of Navy	\$450,000	36
Morris, Scott C. Corke, Thomas C.	Plasma Control of Turbine Secondary Flows	National Aeronautics and Space Administration	\$585,738	36
Roeder, Ryan K. Renaud, John E.	Age-Related Changes in the Ultrastructural Organization of Bone Extracellular Matrix	National Institutes of Health	\$357,865	12
Thomas, Flint O. Wang, Meng Corke, Thomas C.	Active Airframe Noise Control Using Dielectric Barrier Discharge Plasma Actuators	National Aeronautics and Space Administration	\$519,933	36
Tomar, Vikas Renaud, John E.	Computer Aided Multiscale Design of SiC-Si <sub>3</sub> N <sub>4</sub> Nanoceramic for High-Temperature Structure Applications	Department of Energy	\$299,997	36
Wagner, Diane R.	Variation of Cartilage Fatigue Behavior with the Structure of the Collagen Network	National Institutes of Health	\$75,000	12

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Alliance for Catholic Education			
DeSapio, Antonio R. Broughton, Christopher D.	The ACE Generations Initiative	Private Foundation	\$50,000	18
<b>Department or Office:</b>	Architecture			
Semes, Steven W.	The Future of the Past: A Conservation Ethic for Architecture, Urbanism and Historic Preservation (Publication)	Private Foundation	\$5,000	12
<b>Department or Office:</b>	Biological Sciences			
Chari, Vandhana M.	Mechanism of Protease Release in Melanoma	Private Foundation	\$100,000	24
Fraser, Malcolm J.	Engineering Transgenic Silkworms to Produce Synthetic Spider Silk Fibers	University of Wyoming	\$80,000	12
Hollocher, Hope Fuentes, Agustin	The Impact of Population Structure on Pathogen Transmission in Balinese Macaques	National Science Foundation	\$377,614	36
Hyde, David R. Thummel, Ryan	Molecular Analysis of Zebrafish Retinal Regeneration	Private Foundation	\$20,000	12
Li, Lei	Characterization of Dominant Night Blindness Mutations in Zebrafish	National Institutes of Health	\$269,495	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Maginn, Edward J. Schneider, William F. Brennecke, Joan F.	Ionic Liquids: Breakthrough Technology for Post-Combustion CO <sub>2</sub> Capture	Department of Energy	\$2,214,591	36
McCready, Mark J. Bohn, Paul W.	Molecular Recognition and Chemical Sensing in Nanopores	University of Illinois-Urbana-Champaign	\$30,000	2
<b>Department or Office:</b>	Chemistry and Biochemistry			
Clark, Patricia L.	Influence of Translation on Protein Folding	National Institutes of Health	\$348,067	12
Clark, Patricia L.	Autotransporters of Enterobacteriaceae	University of Maryland	\$84,954	12
Corcelli, Steven A. Newman, Kathie E.	Computer Simulations of Photocatalysis at Aqueous TiO <sub>2</sub> Interfaces	Department of Energy	\$390,000	36

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Goodson, Holly V.	Interactions between CLIP-170 and tubulin	National Institutes of Health	\$259,875	12
Mobashery, Shahriar Chang, Mayland	Intervention of Disease by Selective Gelatinase Inhibitors	National Institutes of Health	\$485,633	12
Smith, Bradley D.	Molecular Probes for Biomembrane Recognition	National Institutes of Health	\$355,500	12
Smith, Bradley D.	Membrane Active Antibiotics	Corporate Funding	\$75,000	12
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Burns, Peter C. Maurice, Patricia A.	Effects of Aerobic Bacteria on Mobility of U in the Subsurface	Department of Energy	\$527,960	36
Burns, Peter C.	Dissolution of U(VI) mineral phases via bacterially mediated electron transfer reactions	University of Kansas	\$109,246	36
Talley, Jeffrey W. Bauer, Peter H. Haenggi, Martin Kijewski-Correa, Tracy L. Laneman, J. N. Lemmon, Michael D. Antsaklis, Panos J.	Networked Sensing in Built and Natural Environments	Department of Defense	\$1,751,023	12
<b>Department or Office:</b>	Computer Science & Engineering			
Kogge, Peter M. Brockman, Jay B.	Design and Simulation of a Programmable Memory/Multiplier Array Using G4-FET Technology	Air Force Research Lab/ARPA	\$115,020	3
Scheutz, Matthias J. Boyd, Sunny K.	A Computational Model for Aggressive Behaviors	National Institutes of Health	\$75,000	12
Scheutz, Matthias J.	Computational Models of Cognition and Sleep	Air Force Research Lab/ARPA	\$76,000	9
<b>Department or Office:</b>	Electrical Engineering			
Bernstein, Gary H. Fay, Patrick J.	Novel Superconnects for Ultrahigh-Performance Hybrid Communications System	National Science Foundation	\$298,247	36



**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Haenggi, Martin	A Mathematical Theory of Mobile Ad Hoc Networks	University of Texas	\$481,905	54
Laneman, J. N.	ITMANET: Information Theory for the Radios and Applications of Tomorrow	University of California, San Diego	\$481,500	54
Seabaugh, Alan C.	Strain-Augmented III-V MOSFETs	Duke University	\$147,713	36
Snider, Gregory L. Orlov, Alexei	Silicon-Based Single-Electron Transistors	National Institute Standards & Technology	\$288,850	36
<b>Department or Office:</b>	English			
Hall, Thomas N.	Digital Edition of Cambridge, Pembroke MS 25	Western Michigan University	\$26,912	12
<b>Department or Office:</b>	Institute for Latino Studies			
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$70,050	12
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$46,700	12
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$70,050	12
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$70,050	12
Ready, Timothy	Latino Education Equity Index	Corporate Funding	\$400,000	24
<b>Department or Office:</b>	Kroc Institute for International Peace Studies			
Culbertson, Hal R. Darby, John	People-to-People Peace Building for Southern Sudan	Private Foundation	\$267,456	60
<b>Department or Office:</b>	Philosophy			
Detlefsen, Michael Blanchette, Patricia A.	TransCoop Program	Private Foundation	\$58,530	24
Kourany, Janet A.	Science in the Context of Application	University of Bielefeld (Germany)	\$16,650	11
<b>Department or Office:</b>	Physics			
Balsara, Dinshaw S.	The Spreading of Matter in Boundary Layers of Accreting White Dwarfs: Relevance to Space Observations	Villanova University	\$152,646	48

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Barabasi, Albert-Laszlo	Development of the Virtual Tumor	Private Foundation	\$22,802	12
Bennett, David P.	Observations and Analysis of Exotic Gravitational Microlensing Events	National Science Foundation	\$49,890	11
Howk, Jay C. Lehner, Nicolas	The Optically Thick Intergalactic Medium Absorbers with GALEX (OPTIMA-G) Survey	National Aeronautics and Space Administration	\$219,574	36
<b>Department or Office:</b>	Political Science			
Dowd, Robert A.	Religiosity and Political Culture: Christians, Muslims, and Spiritual Capital in Sub-Saharan Africa	Private Foundation	\$60,000	6
Keys, Mary M.	Humility and Modernity	National Endowment for the Humanities	\$40,000	11
Mainwaring, Scott P. O'Brien, Sean B. Schierling, Sharon K. Merritt, Martha L.	Building Institutional Capacity for Democracy, Peace & Human Rights in the West Bank	Private Foundation	\$299,981	36
Mukherjee, Subhanan	Globilization, Coalition Politics and Trade Liberalization	Princeton University	\$43,200	10
<b>Department or Office:</b>	Psychology			
Bergeman, Cindy S. Chow, Sy Miin Lubke, Gitta Ong, Anthony D. Boker, Steven M.	Notre Dame Study of Resiliency in Later Life	National Institutes of Health	\$300,000	12
Borkowski, John G. Caponigro, Jerome V.	Dads Mentoring Dads: Enhancing Parental Competence & Economic Stability in Young African American Fathers	Administration for Children & Families	\$2,175,555	60
Borkowski, John G. Hernandez, Edwin I. Cummings, E. M.	Enhancing Relationships and Parenting Practices in Latino Families	Administration for Children & Families	\$4,183,980	60

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Borkowski, John G. Maxwell, Scott E. Whitman, Thomas L.	Precursors of Retardation in Children with Teen Mothers	National Institutes of Health	\$310,727	12
Borkowski, John G. Maxwell, Scott E.	Preventing Child Neglect in High-Risk Mothers	National Institutes of Health	\$1,695,837	12
Cummings, E. M. Faircloth, William B. Cummings, Jennifer	Interpersonal Skills and Relationship Training for the Sake of Marital, Adolescent and Family Well-Being	Administration for Children & Families	\$2,394,843	60
Cummings, E. M.	Child Regulation and Exposure to Marital Violence	Auburn University	\$54,507	12
Radvansky, Gabriel A. Narvaez, Darcia F.	Moral Comprehension and Memory with Natural Aging	National Institutes of Health	\$262,500	12
Radvansky, Gabriel A.	Influences of Spatial Event Shift on Memory and Cognition	National Institutes of Health	\$140,000	12
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto	National Alliance for Latino Economic Progress (NALEP)	Private Foundation	\$90,000	12
Cardenas, Gilberto	State of Latino Chicago: Economic Incorporation	Private Foundation	\$66,187	12
Cardenas, Gilberto	National Latino Obesity Education and Prevention Initiative	Health & Human Services	\$195,000	12

**Proposals for Instructional Programs**

<b>Department or Office:</b>	Institute for Latino Studies			
Brown-Gort, Allert R.	ISDH HIV/AIDS Community Capacity Building Subcontract	Indiana State Department of Health	\$20,000	3
<b>Department or Office:</b>	Physics			
Wayne, Mitchell R. Thain, Douglas L. Karmgard, Daniel J. Loughran, Thomas J. Goussiou, Anna	NSF Graduate Teaching Fellows in K-12 Education (GK-12)	National Science Foundation	\$2,710,000	60

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Theology				
Matovina, Timothy M.	Soy Catechists: The Dignity, Vocation, and Mission of the Catechist	Corporate Funding	\$15,000	12

**Awards and Proposal Summary**

**Centers and Institutes Report**

**06/01/2006 to 06/30/2006**

**Awards Received**

Department or Office	No.	Amount
Center for Astrophysics	2	\$235,988
Center for Children and Families	1	\$54,507
Center for Flow Physics and Control	5	\$3,196,057
Center for Global Health and Infectious Diseases	1	\$226,500
Center for Social Concerns	2	\$36,162
Center for Transgene Research	1	\$7,310
Cushwa Center for American Catholicism	1	\$15,000
Environmental Molecular Science Institute	1	\$1,000,000
Freimann Life Science Center	1	\$2,925
Institute for Theoretical Sciences	1	\$1,199,544
Nano Science and Technology Center	1	\$98,129
TRIO Programs	1	\$437,268
<b>Total:</b>	<b>18</b>	<b>\$6,509,390</b>

**Proposals Submitted**

Department or Office	No.	Amount
Center for Astrophysics	3	\$422,110
Center for Children and Families	6	\$10,815,449
Center for Flow Physics and Control	7	\$3,841,625
Center for Global Health and Infectious Diseases	2	\$457,614
Center for Zebrafish Research	2	\$289,495
Cushwa Center for American Catholicism	1	\$15,000
Institute for Educational Initiatives	1	\$50,000
Institute for Latino Studies	9	\$1,028,037
Interdisciplinary Center for the Study of Biocomplexity	1	\$259,875
Kroc Institute for International Peace Studies	2	\$327,456
Nano Science and Technology Center	3	\$734,810
Walther Cancer Research Center	2	\$585,633
<b>Total:</b>	<b>39</b>	<b>\$18,827,104</b>

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2005 to 06/30/2006**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	1	\$45,750
Center for Astrophysics	8	\$566,802
Center for Children and Families	4	\$2,322,963
Center for Flow Physics and Control	24	\$5,408,270
Center for Global Health and Infectious Diseases	16	\$7,980,907
Center for Microfluidics and Medical Diagnostics	1	\$60,000
Center for Molecularly Engineered Materials	2	\$32,928
Center for Social Concerns	2	\$36,162
Center for Transgene Research	4	\$2,426,951
Center for Zebrafish Research	5	\$1,180,230
Cushwa Center for American Catholicism	1	\$15,000
Environmental Molecular Science Institute	2	\$1,021,750
Environmental Research Center	2	\$14,655
Freimann Life Science Center	5	\$242,407
Institute for Church Life	4	\$518,546
Institute for Educational Initiatives	1	\$36,125
Institute for Latino Studies	13	\$819,748
Institute for Theoretical Sciences	1	\$1,199,544
Interdisciplinary Center for the Study of Biocomplexity	2	\$365,175
John A. Kaneb Center for Teaching and Learning	1	\$233,000
Joint Institute for Nuclear Astrophysics	2	\$23,035
Kellogg Institute for International Studies	2	\$80,000
Kroc Institute for International Peace Studies	2	\$85,244
Medieval Institute	2	\$34,585
Nano Science and Technology Center	21	\$3,832,736
Nanovic Institute	1	\$2,600
Natl. Cons. for Grad. Degrees for Minorities, Engr & Science	1	\$85,000
Nuclear Structure Laboratory	3	\$3,450,000
Radiation Laboratory	11	\$4,189,568
Robinson Community Learning Center	1	\$30,000
South Bend Center for Medical Education	2	\$276,249
TRIO Programs	1	\$437,268
Walther Cancer Research Center	3	\$710,500
<b>Total:</b>	<b>151</b>	<b>\$37,763,698</b>

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2005 to 06/30/2006**

#### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	2	\$243,225
Center for Applied Mathematics	3	\$601,154
Center for Astrophysics	23	\$3,941,056
Center for Children and Families	16	\$16,505,440
Center for Environmental Science and Technology	5	\$2,080,167
Center for Ethics and Culture	1	\$1,600,000
Center for Flow Physics and Control	43	\$13,217,122
Center for Global Health and Infectious Diseases	28	\$15,749,718
Center for Microfluidics and Medical Diagnostics	7	\$2,520,991
Center for Molecularly Engineered Materials	4	\$1,018,113
Center for Research Computing	1	\$118,321
Center for Social Concerns	4	\$102,371
Center for Transgene Research	10	\$5,055,659
Center for Zebrafish Research	11	\$2,223,714
Cushwa Center for American Catholicism	1	\$15,000
Environmental Molecular Science Institute	1	\$21,750
Environmental Research Center	4	\$3,603,664
Freimann Life Science Center	8	\$885,641
Institute for Church Life	4	\$623,020
Institute for Educational Initiatives	1	\$50,000
Institute for Latino Studies	31	\$6,378,834
Institute for Theoretical Sciences	7	\$3,191,410
Interdisciplinary Center for the Study of Biocomplexity	4	\$1,126,564
Joint Institute for Nuclear Astrophysics	3	\$158,035
Kellogg Institute for International Studies	5	\$3,774,896
Keough Institute for Irish Studies	3	\$479,169
Kroc Institute for International Peace Studies	7	\$954,094
Medieval Institute	3	\$100,000
Nano Science and Technology Center	70	\$22,576,468
Natl. Cons. for Grad. Degrees for Minorities, Engr & Science	1	\$255,000
Nuclear Structure Laboratory	2	\$545,595
Radiation Laboratory	7	\$1,155,846
Reilly Center for Science, Technology and Values	2	\$762,794
Robinson Community Learning Center	3	\$71,000
Snite Museum of Art	1	\$5,000
Walther Cancer Research Center	8	\$2,365,669
<b>Total:</b>	<b>334</b>	<b>\$114,076,500</b>

## **Awards received during the period Jun-01-2006 to Jun-30-2006**

### **Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Award #</b>
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b> Center for Astrophysics				
Balsara, Dinshaw S. Howk, Jay C. (Center or Institute)	Simulating the Turbulent, Multiphase Interstellar Medium: Comparing with Observations	National Science Foundation	\$111,988	006821-001
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin Afanasjevs, Anatolijs (Center or Institute)	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$124,000	004518-001
<b>Department or Office:</b> Center for Children and Families				
Cummings, E. M. (Center or Institute)	Child Regulation and Exposure to Marital Violence	Auburn University	\$54,507	006319-001
<b>Department or Office:</b> Center for Flow Physics and Control				
Corke, Thomas C. Thomas, Flint O. Dunn, Patrick F. Morris, Scott C. (Center or Institute) Jumper, Eric J. Nelson, Robert C.	Wind Tunnel for Airbourne Platform Laser and Flight Control	Department of the Air Force	\$2,838,276	006833-001
Corke, Thomas C. Thomas, Flint O. (Center or Institute)	Quad-Tilt-Rotor Separation Control Using Plasma Actuators	Corporate Funding	\$180,854	006824-001
Jumper, Eric J. (Center or Institute)	Malley Probe Measurements of Aircraft Prop-Wash	Corporate Funding	\$5,000	006813-001
Renaud, John E. (Center or Institute)	Nonlinear Crackworthiness Design Tool Development Using Cellular Automata	Corporate Funding	\$141,927	006809-001

**Awards received during the period Jun-01-2006 to Jun-30-2006****Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Award #</b>
Morris, Scott C. (Center or Institute)	Experimental Measurements of a Low Noise Trailing Edge	Stanford University	\$30,000	006656-001
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Adams, John H. (Center or Institute)	Developing a Transposon-based Toolkit for Genetic Analysis of Malaria Parasites	National Institutes of Health	\$226,500	006819-001
<b>Department or Office:</b>	Center for Social Concerns			
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	Private Foundation	\$25,000	006818-001
<b>Department or Office:</b>	Center for Transgene Research			
Joyce, David E. (Center or Institute)	Evaluation of Thrombospondin Peptide, ABT510, in Min/+ Mouse Intestinal Adenoma	Corporate Funding	\$7,310	006421-001
<b>Department or Office:</b>	Cushwa Center for American Catholicism			
Matovina, Timothy M. (Center or Institute)	Soy Catequista: The Dignity, Vocation and Mission of the Catechist	Corporate Funding	\$15,000	006817-001
<b>Department or Office:</b>	Environmental Molecular Science Institute			
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A. (Center or Institute)	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,000,000	005902-001
<b>Department or Office:</b>	Freimann Life Science Center			
Suckow, Mark A. (Center or Institute)	Surgical Adhesion Barrier	Corporate Funding	\$2,925	006823-001



### **Awards received during the period Jun-01-2006 to Jun-30-2006**

#### **Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Institute for Theoretical Sciences				
Janko, Boldizsar	NIRT: Spatial and	National Science	\$1,199,544	006815-001
Snider, Gregory L.	Intensity Modulation of	Foundation		
Kuno, Masaru K.	Light Emission in			
(Center or Institute)	Fluorescent			
Merz, James L.	Molecules, Quantum			
	Dots, and Nanowires			

<b>Department or Office:</b> Nano Science and Technology Center				
Kuno, Masaru K.	NER: Modulation	National Science	\$98,129	006825-001
Jena, Debdeep	doped colloidal	Foundation		
(Center or Institute)	quantum dots and			
	solution-based			
	semiconductor			
	nanowires			

#### **Awards for Instructional Programs**

<b>Department or Office:</b> Center for Social Concerns				
Pettit, Rebecca T.	National Youth Sports	Private Foundation	\$11,162	006507-001
(Center or Institute)	Program			

<b>Department or Office:</b> TRIO Programs				
Coates, Alyssia J.	Upward Bound	Department of Education	\$437,268	006288-001
(Center or Institute)	Program			

### **Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

#### **Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Proposal #</b>
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Astrophysics			
Balsara, Dinshaw S.	The Spreading of Matter in Boundary Layers of Accreting White Dwarfs: Relevance to Space Observations	Villanova University	\$152,646	06120790
Howk, Jay C. Lehner, Nicolas	The Optically Thick Intergalactic Medium Absorbers with GALEX (OPTIMA-G) Survey	National Aeronautics and Space Administration	\$219,574	06120821
Bennett, David P.	Observations and Analysis of Exotic Gravitational Microlensing Events	National Science Foundation	\$49,890	06120827
<b>Department or Office:</b>	Center for Children and Families			
Cummings, E. M.	Child Regulation and Exposure to Marital Violence	Auburn University	\$54,507	06120793
Borkowski, John G. Maxwell, Scott E. Whitman, Thomas L.	Precursors of Retardation in Children with Teen Mothers	National Institutes of Health	\$310,727	06120812
Borkowski, John G. Hernandez, Edwin I. Cummings, E. M.	Enhancing Relationships and Parenting Practices in Latino Families	Administration for Children & Families	\$4,183,980	06120829

## Proposals submitted during the period Jun-01-2006 to Jun-30-2006

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Cummings, E. M. Faircloth, William B. Cummings, Jennifer	Interpersonal Skills and Relationship Training for the Sake of Marital, Adolescent and Family Well-Being	Administration for Children & Families	\$2,394,843	06120832
Borkowski, John G. Maxwell, Scott E.	Preventing Child Neglect in High-Risk Mothers	National Institutes of Health	\$1,695,837	06120813
Borkowski, John G. Caponigro, Jerome V.	Dads Mentoring Dads: Enhancing Parental Competence & Economic Stability in Young African American Fathers	Administration for Children & Families	\$2,175,555	06120838
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J.	Aero-Optical Investigation of a Pod Directed Energy System	Department of Navy	\$450,000	06120847
Morris, Scott C. Corke, Thomas C.	Plasma Control of Turbine Secondary Flows	National Aeronautics and Space Administration	\$585,738	06120844
Corke, Thomas C. Matlis, Eric H.	Plasma Sensor for High Bandwidth Mass-Flow Measurements at High Temperatures and Mach Numbers with RF Link	National Aeronautics and Space Administration	\$610,216	06120853
Corke, Thomas C. Thomas, Flint O.	Intelligent Helicopter-Rotor Flow Control Using on-Blade Plasma Actuators and Sensors	National Aeronautics and Space Administration	\$607,272	06120822

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Corke, Thomas C. Thomas, Flint O. Renaud, John E.	Plasma Enhanced Aerodynamics for Lift Augmentation and Flight Control Without Moving Surfaces	National Aeronautics and Space Administration	\$625,492	06120835
Thomas, Flint O. Wang, Meng Corke, Thomas C.	Active Airframe Noise Control Using Dielectric Barrier Discharge Plasma Actuators	National Aeronautics and Space Administration	\$519,933	06120846
Gordeyev, Stanislav V. Thomas, Flint O.	A Novel Non-Intrusive Experimental Technique for Investigation of the Physics of Subsonic Jet Noise Production	National Aeronautics and Space Administration	\$442,974	06120852
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Fraser, Malcolm J.	Engineering Transgenic Silkworms to Produce Synthetic Spider Silk Fibers	University of Wyoming	\$80,000	06120796
Hollocher, Hope Fuentes, Agustin	The Impact of Population Structure on Pathogen Transmission in Balinese Macaques	National Science Foundation	\$377,614	06120840
<b>Department or Office:</b>	Center for Zebrafish Research			
Hyde, David R. Thummel, Ryan	Molecular Analysis of Zebrafish Retinal Regeneration	Private Foundation	\$20,000	06120794

**Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Li, Lei	Characterization of Dominant Night Blindness Mutations in Zebrafish	National Institutes of Health	\$269,495	06120842
<b>Department or Office:</b>	Institute for Educational Initiatives			
DeSapio, Antonio R.	The ACE Generations Initiative	Private Foundation	\$50,000	06120814
Broughton, Christopher D.				
<b>Department or Office:</b>	Institute for Latino Studies			
Ready, Timothy	Latino Education Equity Index	Corporate Funding	\$400,000	06120797
Cardenas, Gilberto	National Latino Obesity Education and Prevention Initiative	Health & Human Services	\$195,000	06120818
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$70,050	06120815
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$70,050	06120831
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$70,050	06120816
Cardenas, Gilberto	State of Latino Chicago: Economic Incorporation	Private Foundation	\$66,187	06120851

### Proposals submitted during the period Jun-01-2006 to Jun-30-2006

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Cardenas, Gilberto	National Alliance for Latino Economic Progress (NALEP)	Private Foundation	\$90,000	06120854
Brown-Gort, Allert R.	Caras Vemos, Corazones no Sabemos	Private Foundation	\$46,700	06120803
<b>Department or Office:</b>	Interdisciplinary Center for the Study of Biocomplexity			
Goodson, Holly V.	Interactions between CLIP-170 and tubulin	National Institutes of Health	\$259,875	06120787
<b>Department or Office:</b>	Kroc Institute for International Peace Studies			
Culbertson, Hal R. Darby, John	People-to-People Peace Building for Southern Sudan	CPrivate Foundation	\$267,456	06120811
Dowd, Robert A.	Religiosity and Political Culture: Christians, Muslims, and Spiritual Capital in Sub-Saharan Africa	Private Foundation	\$60,000	06120828
<b>Department or Office:</b>	Nano Science and Technology Center			
Bernstein, Gary H. Fay, Patrick J.	Novel Superconnects for Ultrahigh-Performance Hybrid Communications System	National Science Foundation	\$298,247	06120795
Seabaugh, Alan C.	Strain-Augmented III-V MOSFETs	Duke University	\$147,713	06120806

### **Proposals submitted during the period Jun-01-2006 to Jun-30-2006**

#### **Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Proposal #</b>
Snider, Gregory L. Orlov, Alexei	Silicon-Based Single-Electron Transistors	National Institute Standards & Technology	\$288,850	06120837
<b>Department or Office:</b>	Walther Cancer Research Center			
Mobashery, Shahriar Chang, Mayland	Intervention of Disease by Selective Gelatinase Inhibitors	National Institutes of Health	\$485,633	06120833
Chari, Vandhana M.	Mechanism of Protease Release in Melanoma	Private Foundation	\$100,000	06120848

#### **Proposals for Instructional Programs**

<b>Department or Office:</b>	Cushwa Center for American Catholicism			
Matovina, Timothy M.	Soy Catechists: The Dignity, Vocation, and Mission of the Catechist	Corporate Funding	\$15,000	06120800
<b>Department or Office:</b>	Institute for Latino Studies			
Brown-Gort, Allert R.	ISDH HIV/AIDS Community Capacity Building Subcontract	Indiana State Department of Health	\$20,000	06120839

**Awards and Proposal Summary**

07/01/2006 to 07/31/2006

**Awards Received**

Category	No.	Amount
Research	50	\$5,870,582
<b>Total:</b>	<b>50</b>	<b>\$5,870,582</b>

**Proposals Submitted**

Category	No.	Amount
Research	60	\$18,654,947
Instructional Programs	1	\$20,000
<b>Total:</b>	<b>61</b>	<b>\$18,674,947</b>

**July 2006 Cumulative summary****Awards Received**

	07.01.2004 - 07.31.2004		07.01.2005 - 07.31.2005		07.01.2006 - 07.31.2006	
Category	No.	Amount	No.	Amount	No.	Amount
Research	34	\$8,355,882	33	\$9,031,981	50	\$5,870,582
Facilities and Equipment						
Instructional Programs						
Other Programs						
Service Programs						
<b>Total:</b>	<b>34</b>	<b>\$8,355,882</b>	<b>33</b>	<b>\$9,031,981</b>	<b>50</b>	<b>\$5,870,582</b>

**Proposals Submitted**

	07.01.2004 - 07.31.2004		07.01.2005 - 07.31.2005		07.01.2006 - 07.31.2006	
Category	No.	Amount	No.	Amount	No.	Amount
Research	53	\$24,885,696	45	\$16,841,876	60	\$18,654,947
Facilities and Equipment						
Instructional Programs	1	\$199,947			1	\$20,000
Other Programs						
Service Programs						
<b>Total:</b>	<b>54</b>	<b>\$25,085,643</b>	<b>45</b>	<b>\$16,841,876</b>	<b>61</b>	<b>\$18,674,947</b>



### **Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b> ACE Educational Outreach				
Johnstone, Joyce V. (Center or Institute)	ACE-EDU Outreach	MacNeal Health Foundation	\$29,900	63
<b>Department or Office:</b> Aerospace and Mechanical Engineering				
Jumper, Eric J. Cavalieri, David (Center or Institute)	Directed Energy Beam Improvement - Binary Control for Advanced Tactical Laser (DEBI-BATL)	The Boeing Company	\$274,126	32
Morris, Scott C. (Center or Institute)	Development of Atmospheric Optical Turbulence Model	Volpe National Transportation Systems Center	\$20,000	7
Wang, Meng (Center or Institute)	Computational Study of Rough-Wall Boundary-Layer Noise	Department of Navy	\$76,747	36
<b>Department or Office:</b> Alliance for Catholic Education				
DeSapio, Antonio R. Broughton, Christopher D. (Center or Institute)	The ACE Generations Initiative	W.K. Kellogg Foundation	\$50,000	18
<b>Department or Office:</b> Biological Sciences				
Belovsky, Gary E.	Dissertation Research:Community Level Response to Global Change: The Effect of Temperature on the Relative Importance of Top-down and Bottom-up Effect	National Science Foundation	\$7,341	11
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	\$60,000	14

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Feder, Jeffrey L. Lodge, David M. Lamberti, Gary A. Besansky, Nora J. Fuentes, Agustin	IGERT: Global Linkage of Biology, Environment, and Society (GLOBES)	National Science Foundation	\$597,264	59
Hyde, David R. Thummel, Ryan (Center or Institute)	Molecular Analysis of Zebrafish Retinal Regeneration	Fight for Sight	\$20,000	12
Lodge, David M. Feder, Jeffrey L. (Center or Institute) Chang, Hsueh-Chia	Risk Assessment and Management of Great Lakes Invasive Species	Great Lakes Protection Fund	\$1,090,000	39
McKee, Edward E.	Discretionary Funding: Heart Mitochondrial Toxicity of Antiviral Nucleosides Research	I.U. School Medicine	\$63,277	12
Vaughan, Kevin T. Goodson, Holly V.	Microtubule Dependent Transport of NPC-Containing Membranes	Ara Parseghian Medical Research Foundation	\$75,000	24
<b>Department or Office:</b>	Center for Social Concerns			
Lies, William M. (Center or Institute)	Holy Cross Seminars	(Priests of) Holy Cross, Indiana Province, Inc.	\$2,000	18
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	Wells Fargo Foundation	\$53,650	21
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Brennecke, Joan F.	Supercritical Extraction of Pomegranate Juice	University of Texas	\$7,500	12

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Chang, Hsueh-Chia (Center or Institute)	Faradaic Micro-Fluidic Devices for Complex Fluids	National Science Foundation	\$10,050	27
Palmer, Andre F.	Enhanced O2 Delivery to C3A Hepatocytes	National Institutes of Health	\$199,500	36
<b>Department or Office:</b>	Chemistry and Biochemistry			
Goodson, Holly V. (Center or Institute)	Interactions Between CLIP-170 and tubulin	National Institutes of Health	\$356,594	24
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Kareem, Ahsan Kijewski-Correa, Tracy L.	Performance Evaluation of Tall Buildings Under Winds: From Predictive Methods to Laboratory and Full-Scale Measurements	National Science Foundation	\$135,000	36
Neal, Clive R.	Evolution of the Kerguelen LIP: Insights from Crystal Stratigraphy & Crystal Size Distributions from SITE 1137, Elan Bank	National Science Foundation	\$55,293	24
<b>Department or Office:</b>	Computer Science & Engineering			
Chen, Danny Z.	Graph-Based Medical Image Segmentation in 3D and 4D	University of Iowa	\$97,439	10
Chen, Danny Z.	Computational Geometry Algorithms for Medical Problems in Radiation Therapy and Medical Imaging	National Science Foundation	\$6,000	36
Flynn, Patrick Chen, Danny Z Stevenson, Robert L Bowyer, Kevin W.	Instrumentation for Multidimensional Imaging and Applications	National Science Foundation	\$382,401	72

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Hu, Xiaobo Lemmon, Michael D.	Flexible Scheduling in Real-Time Control Systems with Uncertainty	National Science Foundation	\$6,000	36
Niemier, Michael T. Lieberman, Marya (Center or Institute)	Systolic Circuits for QCA	National Science Foundation	\$300,003	12
Scheutz, Matthias J.	Computational Models of Cognition and Sleep	Oak Ridge Institute for Science and Education	\$76,000	9
<b>Department or Office:</b>	Economics and Econometrics			
Jensen, Richard A.	How Effective are Technology Transfer Officers in Achieving Their Objectives	Kauffman Foundation	\$55,125	15
<b>Department or Office:</b>	Electrical Engineering			
Jena, Debdeep Kuno, Masaru K. (Center or Institute)	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	\$50,000	36
Lent, Craig S. Kogge, Peter M. Snider, Gregory L. (Center or Institute)	Quantum Dot Logic to Extend Moore's Law	Sandia National Laboratory	\$92,960	2
Seabaugh, Alan C. (Center or Institute)	III-V Tunnel SRAM	Intel Corporation	\$150,000	12
<b>Department or Office:</b>	History			
Meserve, Margaret H.	A Renaissance of News: The Italian Market for Printed News and Information (1470-1527)	National Endowment for the Humanities	\$40,000	12

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Turner, James C.	Philology and the Shaping of the Modern Humanities	Spencer Foundation	\$40,000	11
<b>Department or Office:</b> Mathematics				
Hall, Brian C.	Quantization, symmetric spaces, and symplectic reduction	National Science Foundation	\$106,419	36
Polini, Claudia Corso, Alberto	Ubiquity of blowup algebras: A US-Brazil visit program	National Science Foundation	\$6,500	11
<b>Department or Office:</b> Physics				
Aprahamian, Ani	Intergovernmental Personnel Act (IPA) Assignment	National Science Foundation	\$183,307	12
Barabasi, Albert-Laszlo	Characterizing the Dynamics of Complex Networks	National Science Foundation	\$167,000	60
Dobrowolska-Furdyna, Malgorzata Furdyna, Jacek K. Liu, Xinyu	Electron Spin Effects in Semiconductor Nanostructure	National Science Foundation	\$120,000	47
Furdyna, Jacek K.	Support for 35th International School on Force the Physics of Semiconducting Compounds	Department of the Air Force	\$2,500	4
Wayne, Mitchell R. Cason, Neal M. Hildreth, Michael D. Goussiou, Anna Ruchti, Randal C.	Research in Collider Physics	National Science Foundation	\$67,140	36

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Political Science				
Mukherjee, Subhanan	Globalization, Coalition Politics and Trade Liberalization	Princeton University	\$43,200	10
Zuckert, Michael P.	Graduate Research Fellowships during AY2005-2006.	Earhart Foundation	\$44,969	36
<b>Department or Office:</b> Program of Liberal Studies				
Goulding, Robert D.	Vision, optics and experimental traditions in the Renaissance	National Endowment for the Humanities	\$40,000	11
<b>Department or Office:</b> Psychology				
Merluzzi, Thomas V. Pope-Davis, Donald B.	Cultural Analysis of the Cancer Behavior Inventory	National Institutes of Health	\$157,461	12
<b>Department or Office:</b> Radiation Laboratory				
Carmichael, Ian C. Ferraudi, Guillermo J. Kamat, Prashant V. Madden, Keith P. LaVerne, Jay A. Guldi, Dirk M. Hug, Gordon L. Chipman, Daniel M. Tripathi, Gorakh Nath R. Bentley, John J. Pimblott, Simon M. Meisel, Dan Bartels, David M. (Center or Institute)	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$250,000	29
<b>Department or Office:</b> Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	Cease-Fire of South Bend Street Outreach Worker Project	Cease-Fire, Inc.	\$4,907	10

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Investigator(s)	Title	Sponsor	Dollars	Months
Caponigro, Jerome V. (Center or Institute)	Take Ten Comic Book Project	Community Foundation of St. Joseph County	\$5,000	3
Caponigro, Jerome V. (Center or Institute)	Youth Justice Project	Indiana Criminal Justice Institute	\$35,000	12
Tomas Morgan, Peter L. (Center or Institute)	Filmaking Initiative of the Youth Justice Project	Community Foundation of St. Joseph County	\$3,009	12
<b>Department or Office:</b>	Snite Museum of Art			
Loving, Charles R. (Center or Institute)	Summer of 2006 High School Artist Apprenticeship Program at the Snite Museum of Art, University of Notre Dame	Community Foundation of St. Joseph County	\$5,000	1
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto (Center or Institute)	Latino Immigrant Incorporation	The Chicago Community Trust	\$150,000	12

### **Awards and Proposal Summary**

#### **Centers and Institutes Report**

07/01/2006 to 07/31/2006

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Flow Physics and Control	3	\$370,873
Center for Microfluidics and Medical Diagnostics	2	\$1,100,050
Center for Social Concerns	2	\$55,650
Center for Zebrafish Research	1	\$20,000
Environmental Research Center	1	\$60,000
Institute for Educational Initiatives	2	\$79,900
Institute for Latino Studies	1	\$150,000
Interdisciplinary Center for the Study of Biocomplexity	1	\$356,594
Nano Science and Technology Center	4	\$592,963
Radiation Laboratory	1	\$250,000
Robinson Community Learning Center	4	\$47,916
Snite Museum of Art	1	\$5,000
<b>Total:</b>	<b>23</b>	<b>\$3,088,946</b>

#### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Astrophysics	1	\$113,872
Center for Flow Physics and Control	7	\$3,194,376
Center for Global Health and Infectious Diseases	3	\$892,646
Center for Zebrafish Research	3	\$587,073
Environmental Research Center	1	\$709,934
Freimann Life Science Center	1	\$45,110
Institute for Latino Studies	1	\$20,000
Nano Science and Technology Center	4	\$1,358,596
Radiation Laboratory	1	\$50,000
University Libraries	1	\$456,626
Walther Cancer Research Center	1	\$362,500
<b>Total:</b>	<b>24</b>	<b>\$7,790,733</b>



## Awards received during the period Jul-01-2006 to Jul-31-2006

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J. Cavalieri, David (Center or Institute)	Directed Energy Beam Improvement - Binary Control for Advanced Tactical Laser (DEBI-BATL)	The Boeing Company	\$274,126	006864-001
Morris, Scott C. (Center or Institute)	Development of Atmospheric Optical Turbulence Model	Volpe National Transportation Systems Center	\$20,000	006841-001
Wang, Meng (Center or Institute)	Computational Study of Rough-Wall Boundary-Layer Noise	Department of Navy	\$76,747	006840-001
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Lodge, David M. Feder, Jeffrey L. (Center or Institute) Chang, Hsueh-Chia	Risk Assessment and Management of Great Lakes Invasive Species	Great Lakes Protection Fund	\$1,090,000	006856-001
Chang, Hsueh-Chia (Center or Institute)	Faradaic Micro-Fluidic Devices for Complex Fluids	National Science Foundation	\$10,050	006463-001
<b>Department or Office:</b>	Center for Social Concerns			
Lies, William M. (Center or Institute)	Holy Cross Seminars	(Priests of) Holy Cross, Indiana Province, Inc.	\$2,000	006872-001
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	Wells Fargo Foundation	\$53,650	006861-001
<b>Department or Office:</b>	Center for Zebrafish Research			
Hyde, David R. Thummel, Ryan (Center or Institute)	Molecular Analysis of Zebrafish Retinal Regeneration	Fight for Sight	\$20,000	006855-001

### Awards received during the period Jul-01-2006 to Jul-31-2006

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Environmental Research Center				
Belovsky, Gary E. (Center or Institute)	LTREB: Ecosystem Structure and Function in Palouse Grasslands	National Science Foundation	\$60,000	006340-001
<b>Department or Office:</b> Institute for Educational Initiatives				
DeSapio, Antonio R. Broughton, Christopher D. (Center or Institute)	The ACE Generations Initiative	W.K. Kellogg Foundation	\$50,000	006846-001
Johnstone, Joyce V. (Center or Institute)	ACE-EDU Outreach	MacNeal Health Foundation	\$29,900	005761-001
<b>Department or Office:</b> Institute for Latino Studies				
Cardenas, Gilberto (Center or Institute)	Latino Immigrant Incorporation	The Chicago Community Trust	\$150,000	006854-001
<b>Department or Office:</b> Interdisciplinary Center for the Study of Biocomplexity				
Goodson, Holly V. (Center or Institute)	Interactions Between CLIP-170 and tubulin	National Institutes of Health	\$356,594	006085-001
<b>Department or Office:</b> Nano Science and Technology Center				
Niemier, Michael T. Lieberman, Marya (Center or Institute)	Systolic Circuits for QCA	National Science Foundation	\$300,003	006870-001
Lent, Craig S. Kogge, Peter M. Snider, Gregory L. (Center or Institute)	Quantum Dot Logic to Extend Moore's Law	Sandia National Laboratory	\$92,960	006867-001
Seabaugh, Alan C. (Center or Institute)	III-V Tunnel SRAM	Intel Corporation	\$150,000	006844-001

## Awards received during the period Jul-01-2006 to Jul-31-2006

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Jena, Debdeep Kuno, Masaru K. (Center or Institute)	Nanowire-based Polarization-sensitive Multi-spectral Photodetectors	Department of Navy	\$50,000	006843-001
<b>Department or Office:</b>	Radiation Laboratory			
Carmichael, Ian C. Feraudi, Guillermo J. Kamat, Prashant V. Madden, Keith P. LaVerne, Jay A. Guldi, Dirk M. Hug, Gordon L. Chipman, Daniel M. Tripathi, Gorakh Nath R. Bentley, John J. Pimblott, Simon M. Meisel, Dan Bartels, David M. (Center or Institute)	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$250,000	006378-001
<b>Department or Office:</b>	Robinson Community Learning Center			
Tomas Morgan, Peter L. (Center or Institute)	Filmmaking Initiative of the Youth Justice Project	Community Foundation of St. Joseph County	\$3,009	006875-001
Caponigro, Jerome V. (Center or Institute)	Cease-Fire of South Bend Street Outreach Worker Project	Cease-Fire, Inc.	\$4,907	006689-001
Caponigro, Jerome V. (Center or Institute)	Youth Justice Project	Indiana Criminal Justice Institute	\$35,000	006845-001
Caponigro, Jerome V. (Center or Institute)	Take Ten Comic Book Project	Community Foundation of St. Joseph County	\$5,000	006849-001

**Awards received during the period Jul-01-2006 to Jul-31-2006**

Centers and Institutes Report				
Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office:	Snite Museum of Art			
Loving, Charles R. (Center or Institute)	Summer of 2006 High School Artist Apprenticeship Program at the Snite Museum of Art, University of Notre Dame	Community Foundation of St. Joseph County	\$5,000	006836-001

## Proposals submitted during the period Jul-01-2006 to Jul-31-2006

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Astrophysics			
Howk, Jay C.	A Spitzer-MIPS Study of	National Aeronautics and	\$113,872	07010060
Lehner, Nicolas	Extraplanar Dust in Spiral Galaxies	Space Administration		
<b>Department or Office:</b>	Center for Flow Physics and Control			
Powers, Joseph M.	Advanced Multi-Scale	National Aeronautics and	\$361,154	07010002
Paolucci, Samuel	Computational Methods for Hypersonic Propulsion	Space Administration		
Corke, Thomas C.	Active Forebody Flow	National Aeronautics and	\$451,825	07010006
Nelson, Robert C.	Control for Enhanced Lateral/Directional Maneuvering	Space Administration		
Jumper, Eric J.	Wind Tunnel Testing	Department of the Air Force	\$17,812	07010012
Cavalieri, David	Model Hardware Support			
Atassi, Hafiz M.	Effects of Turbulence Structure on Broadband Interaction Noise Generation	National Aeronautics and Space Administration	\$266,926	07010004
Morris, Scott C.	GEA-ND Casing	Corporate Funding	\$1,515,562	07010016
Corke, Thomas C.	Treatment Program			
Morris, Scott C.	Plasma Flow Control for	Department of Energy	\$557,084	07010021
Corke, Thomas C.	Improved Aerothermal Dynamics in Syngas Turbines			
Tomar, Vikas				
Morris, Scott C.	Pseudo-Sound Measurement of Onstar Microphones	Corporate Funding	\$24,013	07010026
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Ferdig, Michael T.	Determinants of Growth and Fitness in Drug Resistant Malaria Parasites	National Institutes of Health	\$392,646	07010001
Schorey, Jeffrey S.	Characterization Dectin-1 as a pattern recognition receptor required for an immune response to mycobacteria	Private Foundation	\$500,000	07010028
Collins, Frank H.	VectorBase: A Bioinformatics Resource Center for Invertebrate Vectors of Human Pathogens	National Institutes of Health	\$0	07010042
<b>Department or Office:</b>	Center for Zebrafish Research			
Maaswinkel, Hans	Olfactory Modulation of	National Science	\$406,277	07010020
Li, Lei	Visually Guided Behaviors in Zebrafish	Foundation		

### Proposals submitted during the period Jul-01-2006 to Jul-31-2006

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Vaughan, Patricia S.	Neuronal Phosphorylation Regulates Cytoplasmic Dynein Targeting	Private Foundation	\$132,000	07010034
Hyde, David R. Thummel, Ryan	Molecular Analysis of Zebrafish Retinal Regeneration	National Institutes of Health	\$48,796	07010061
<b>Department or Office:</b>	Environmental Research Center			
Boyd, Sunny K. Scheutz, Matthias J.	Computational Models for Neurochemical Control of Social Behavior	National Science Foundation	\$709,934	07010019
<b>Department or Office:</b>	Freimann Life Science Center			
Suckow, Mark A.	Innovative Cancer Vaccines	Private Foundation	\$45,110	07010011
<b>Department or Office:</b>	Nano Science and Technology Center			
Fay, Patrick J.	High Power Metamorphic HEMTs	Corporate Funding	\$39,560	07010023
Jena, Debdeep	CAREER: Dielectric Engineering of Quantum-Wire solids: Fundamentals to Applications	National Science Foundation	\$579,996	07010038
Fay, Patrick J.	Heterojunction Bipolar Transistor Power Amplifiers for Long-Range X-band Communications	Corporate Funding	\$160,906	07010049
Xing, Huili	CAREER: Dielectrophoretic Sorting and Assembling of Nano-objects for Nanomanufacturing	National Science Foundation	\$578,134	07010040
<b>Department or Office:</b>	Radiation Laboratory			
Bartels, David M.	Radiolysis Studies of Supercritical Water	Corporate Funding	\$50,000	07010018
<b>Department or Office:</b>	University Libraries			
Arnott, Julie E.	Preservation of Catholic Traditions	National Endowment for the Humanities	\$456,626	07010053
<b>Department or Office:</b>	Walther Cancer Research Center			
D'Souza-Schorey, Crislyn	Molecular Mechanisms of Cell Invasion	National Institutes of Health	\$362,500	07010022

**Proposals submitted during the period Jul-01-2006 to Jul-31-2006****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Instructional Programs</u></b>				
<b>Department or Office:</b>	Institute for Latino Studies			
Groody, Daniel G.	Guadalupe: Madre de America: Narrative, Image and Devotion	Private Foundation	\$20,000	07010031

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# Notre Dame Report



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