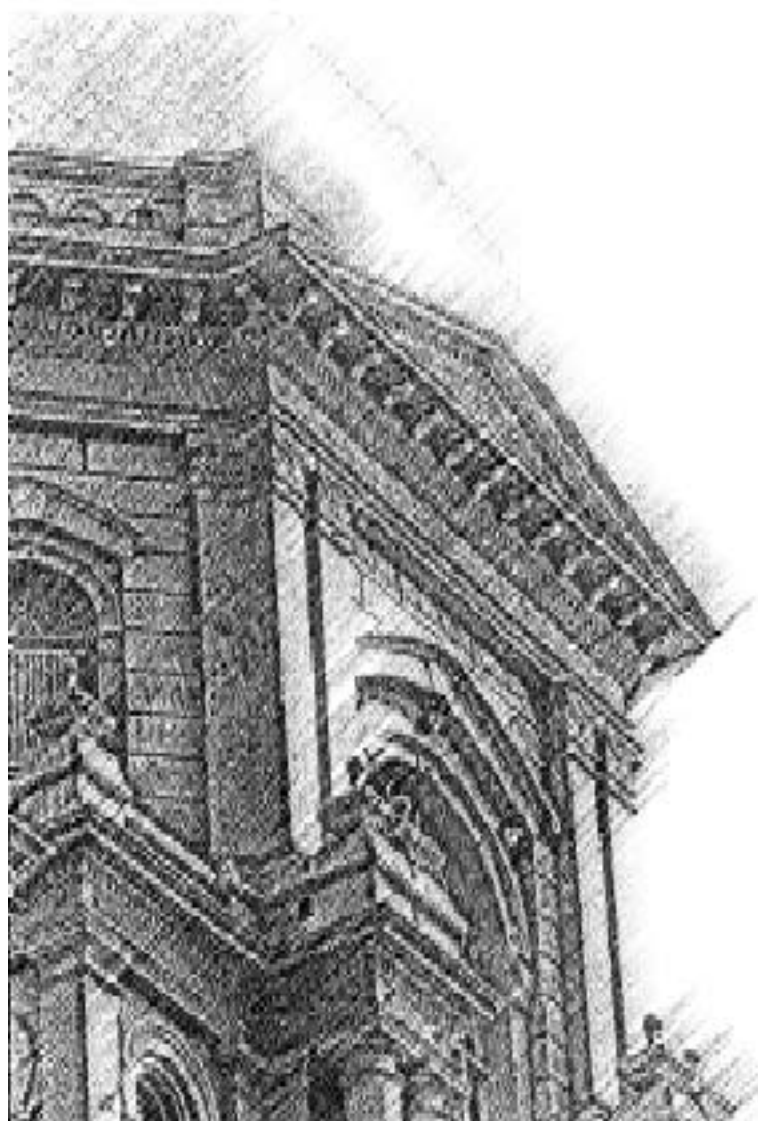


# Notre Dame Report



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N U M B E R 3

# Faculty Notes

## Honors

**Leonid Faybusovich**, professor of mathematics, was appointed to serve on the editorial board of *Optimization*, published by Taylor and Francis.

**Ralph McInerny**, professor of philosophy, received the 2007 Charles Cardinal Journet Prize for *Praeambula fidei: Thomism and the God of the Philosophers*, published by Catholic Univ. of America Press in 2006.

**Tonia Hap Murphy**, assistant professional specialist in accountancy, has been named to a two-year term as articles editor of the *Journal of Legal Studies Education*.

**Joseph A. Prahlow, MD**, guest associate professor of biology, was elected president of the National Association of Medical Examiners for 2007; and received the "Outstanding Service Award" for the National Association of Medical Examiners at the annual meeting in San Antonio, on Oct. 17.

**Steven W. Semes**, the Rooney Associate Professor of Architecture, had his design of a shingle-style residence in Water Mill, N.Y., selected as the Idea House 2006 by *Hamptons Cottages and Gardens* magazine.

## Activities

**J. Douglas Archer**, librarian, presented "Intellectual Freedom Basics for Schools" with M. Irwin at the Association of Indiana Media Educators' annual conference in Indianapolis, on Nov. 6.

**Wendy Arons**, assistant professor of film, television, and theatre and Fellow in the Nanovic Institute, presented "*Dein Spiel, so reizend und so wahr*": Constructions of Female Celebrity in the *Theater-Kalender's* Odes to Actresses as an invited talk at "Sophie Mereau Ver-Dichtet: *Werk-Zeit-Raum*," Univ. of Jena, Germany, June 23; chaired the panel "Ecology, Community, and Gender in Performance,"

at the Association for Theatre in Higher Education annual conference, Chicago, Aug. 5; and presented "Staging Sustainability: Slow Food in the USA" at the Mid-Atlantic Popular/American Culture Association meeting, Baltimore, Oct. 27.

**Brian Baker**, assistant professor of chemistry and biochemistry, presented an invited seminar titled "Biophysics and Structural Biology of Molecular Recognition in the Immune System" at the Univ. of Kentucky, Lexington, Nov. 7.

**Philip Balma**, visiting assistant professional specialist, Dept. of Romance Languages and Literatures, presented "*L'esperienza di Edith Bruck in Italia: l'editoria, il cinema, e il ghetto tematico*" at the "First International Conference on Contemporary Jewish Writers in Italy," Istituto Culturale Italiano dei Paesi Bassi (Amsterdam, Netherlands), on Oct. 7; and "Selected Translations from Edith Bruck's Fiction" at the annual conference of the American Literary Translators Association, Seattle, on Oct. 19.

**David M. Bartels**, concurrent professor of chemistry and biochemistry and professional specialist in the Radiation Laboratory, presented a seminar titled "Reactions of OH Radicals, H Atoms, and Solvated Electrons in Supercritical Water" at Hope College, Holland, Mich., Sept. 29.

**Terri L. Bays**, project director of the Kaneb Center for Teaching and Learning OpenCourseware, presented "The OpenCourseware Consortium," a panel discussion, at the EduCause annual meeting in Dallas, Oct. 12; "Sustainability and the Culture of Teaching: Starting Them Young," at "Open Education 2006: Community, Culture, and Content," Utah State Univ., Sept. 28; "OCW Overview" at the Learning Technology Consortium meeting, Notre Dame, Sept. 21; and "OCW Site Overview" at the Notre Dame "OCW Site Launch," Notre Dame, Sept. 20.

**Jeffrey H. Bergstrand**, professor of finance, gave a keynote lecture on the "Causes

and Consequences of the Growth of Regionalism" at the CESifo Venice Summer Institute conference, "Understanding the Recent Wave of Regional Trade and Cooperation Agreements," Venice International Univ., July 19–20.

**John Blacklow**, assistant professor of piano, was invited to appear in 11 concerts this year with the Los Angeles Philharmonic Orchestra, performing under music director E.-P. Salonen and guest conductor L. Slatkin, including regular subscription concerts at Hollywood Bowl and Walt Disney Concert Hall, and the 2006 West Coast tour, including concerts at Davies Symphony Hall in San Francisco and Benaroya Concert Hall in Seattle, performing keyboard solos in works by Lutoslawski, Orff, and a commissioned work by B. Dean. The performances of *Lutoslawski Symphony No. 4* are available on iTunes, on the LA Philharmonic website.

**Daniel M. Chipman**, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, presented "Computational Studies of Radiolytic Species and Processes in Water" at the "2006 Condensed Phase and Interfacial Molecular Science Workshop," Warrenton, Va., Oct. 22–25.

**Kevin J. Christiano**, associate professor of sociology, delivered an invited lecture, "The State of Québec Studies at American Colleges and Universities: Four Problems," to a colloquium on "The Future of Québec Studies in the United States: Enriching a Vibrant Community," hosted by the Canada Program of Harvard Univ., at the Weatherhead Center for International Affairs, Cambridge, Mass., on Oct. 11; and made the invited presentation, "The Future of Québec Studies in the US: Findings and Recommendations," for a plenary panel and moderated the plenary panel of scholars, "An Analysis of Québec's New International Policy," at the "Fifteenth Biennial Conference of the American Council for Québec Studies," Cambridge, Mass., Oct. 13–14.

**Denise M. Della Rossa**, associate professional specialist in the Dept. of German and Russian, was a national organizer of the "Thirty-First Annual Coalition of Women in German Conference" held in October near Salt Lake City.

**JoAnn DellaNeva**, associate professor of French and Francophone Studies, presented “Reading Desportes through the Italians” at the “Sixteenth-Century Studies Conference,” Oct. 26–29, in Salt Lake City.

**Bernard Doering**, professor emeritus of Romance languages and literatures, presented “*Simone Weil et Jacques Maritain: Une Grande Amitié manquée?*” at the annual meeting of the *Association pour l'Etude de la pensée de Simone Weil* in Paris on Oct. 29.

**Julia Douthwaite**, professor of French, assistant provost for International Studies, and Fellow of the Nanovic Institute, presented “From ‘Mme Vipère to Pauliska: Central Europe in the French Revolutionary Imagination’ at the Univ. of Zagreb, Croatia, May 15.

**John Duman**, professor of biological sciences, presented the seminar “Insect Antifreeze Proteins and Related Subzero Adaptations” at Wright State Univ. on Oct. 30.

**Richard M. Economakis**, associate professor of architecture, was keynote speaker at the conference “Drawing the Lines: International Perspectives on Urban Renewal through the Arts” at Indiana Univ. Northwest, in Gary, Nov. 4, where he presented “Enriching the Urban Environment” and acted as a panelist in the closing plenary session.

**Georges Enderle**, the O’Neil Professor of International Business Ethics and Fellow of the Kellogg Institute and Nanovic Institute, and **Roger D. Huang**, the Meyer Chair of Global Investment Management, presented the paper “Fairness and the Renminbi-Dollar Exchange Rate: A Joint Market and Ethical Framework and Some Recommendations,” Sept. 22, at the “International Business Ethics Conference” during the “Second World Forum on China Studies,” organized by the Shanghai Academy of Social Sciences; and Enderle presented “Business Ethics and Wealth Creation: Conceptual Clarifications and Research Questions” at the “TransAtlantic Business Ethics Conference,” Oct. 6, at the Wharton School, Univ. of Pennsylvania, in Philadelphia.

**Nicole Stelle Garnett**, associate professor of law, presented “Planning as Public Use” at the “2006 Regulatory Takings Conference,” Boalt Hall School of Law, Univ. of California at Berkeley, Oct. 26.

**Richard Garnett**, associate professor of law and Fellow of the Institute for Educational Initiatives, delivered the “Hesburgh Lecture,” Oct. 12, to the alumni club in Worcester, Mass., on “Religion in the Public Square: What Do our Laws and Traditions Have to Say?”; a lecture titled “May Churches Discriminate?” at the Southwestern Law School in Los Angeles, Oct. 16; and on Oct. 17, he presented “May Churches Discriminate?” at the Pepperdine Univ. School of Law.

**Thomas A. Gresik**, professor in the Dept. of Economics and Econometrics, presented “Separate Accounting vs. Formula Apportionment: A Private Information Perspective” at Purdue Univ. during the Midwest Economic Theory conference held Oct. 13–15.

**Kevin Hart**, the Notre Dame Professor of Philosophy and Literature, editor of *Religion and Literature*, and Fellow of the Nanovic Institute, presented “Without Derrida” at the conference “After Derrida” held at Monash Univ., Melbourne, Australia, on Oct. 18; gave a poetry reading at Trinity College, the Univ. of Melbourne, on Oct. 21; and presented the opening, plenary lecture titled “Christian Beauty” at “The World and the Christian Imagination,” a conference held at Baylor Univ., Nov. 9–11.

**Jessica Hellmann**, assistant professor of biological sciences, was invited to participate in the “Frontiers of Science Symposium” at the National Academy of Sciences in Irvine, Calif., Nov. 2–5, where she was session chair of “Lessons in Population Biology from Ancient DNA” and presented a poster titled “Constraints and Reinforcement on Evolution under Climate Change.”

**J. Christopher Howk**, assistant professor of physics, presented the invited talk, “Studying the Cosmic Evolution of Galaxies Through Their Gas,” at a colloquium at the Univ. of Toledo, Nov. 2.

**Bei Hu**, professor of mathematics, presented an invited talk at the computational and applied mathematics seminar titled

“Optimal Convergence Rate for the Binomial Tree Scheme for a Variational Inequality from American Options” and an invited colloquium talk titled “Stability Analysis for Tumor Models” at Iowa State Univ., Ames, Oct. 16–17.

**David Hyde**, professor of biological sciences, presented “Regeneration of Photoreceptors from Glial Cells in the Light-Damaged Retina” to the “Thirteenth International Retinal Degeneration Symposium” at San de Bariloche, Argentina, Oct. 20–29.

**Carlos Jerez-Farrán**, professor of Spanish, presented “*El retorno de lo reprimido en ‘La monja gitana’ de García Lorca*” at the “Kentucky Foreign Language Conference,” Univ. of Kentucky, Lexington, in April.

**Encarnación Juárez-Almendros**, associate professor of Romance languages and literatures, Fellow of the Medieval Institute, and Fellow of the Nanovic Institute, presented “*La discapacidad corporal y el control del texto: las autobiografías de Teresa de Cartagena y Teresa de Ávila*” at the “Congreso Internacional Asociación de Escritoras de España y las Américas,” Georgetown Univ., Washington D.C., Oct. 5–6; and “*Secularización y mensaje político en la representación del El gran teatro del mundo de Calderón por la Corporación Teatro del Valle*” at the “Seminario Internacional Análisis de Espectáculos Teatrales (2000–2006)” at the Univ. Nacional de Educación a Distancia, Madrid, June 26–28.

**Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Laboratory, and concurrent professor of chemical and biomolecular engineering, presented “Nanostructured Hybrid Assemblies for Next Generation Solar Cells” at the ACS Southwest regional meeting, “Special Symposium on Chemical Utilization of Solar Cells,” in Houston, Oct. 19–22.

**Jay A. LaVerne**, professional specialist in the Radiation Laboratory and concurrent professional specialist in physics, presented “Radiation Chemistry at Water Ceramic Oxide Interfaces” at the “2006 Condensed Phase and Interfacial Molecular Science Workshop,” Warrenton, Va., Oct. 22–25.

**Xiaobo Liu**, professor of mathematics, was invited to deliver a talk “Gromov-Witten Invariants and Moduli Space of Curves” at the International Congress of Mathematicians on Aug. 26, in Madrid.

**David Mayernik**, associate professor of architecture, was profiled in the article “David Mayernik: What Time Teaches the Artist,” in *American Artist: Drawing Magazine* (Fall).

**Jason McLachlan**, assistant professor of biological sciences, presented “Ice Age Hotspots” at the Univ. of Wisconsin, Nov. 16–17; and presented his research on “Evolutionary Response to Global Change” to the Smithsonian Environmental Center in Annapolis, Md., on Nov. 10.

**Ralph McInerney**, professor of philosophy, presented a lecture on *The Diary of a Country Priest*, by G. Bernanos, on Oct. 31 as part of the Center for Ethics and Culture’s Series on Catholic culture.

**Dan Meisel**, professor of chemistry and biochemistry, Radiation Laboratory, presented “Metallic Nanoparticles Under Irradiation” at the Condensed Phase and Interfacial Molecular Science Research Contractors meeting in Warrenton, Va., Oct. 22–25.

**Anthony N. Michel**, the Freimann Professor of Engineering Emeritus and the McCloskey Dean of Engineering Emeritus, presented the invited papers “Unifying Theory for Stability of Continuous, Discontinuous, and Discrete-Time Dynamical Systems” and “Stability of Digital Control Systems with Delays” at the “IEEE International Symposium on Intelligent Control,” Munich, Germany, Oct. 4–6, where he also chaired a technical session titled “New Trends in Switched and Hybrid Systems.”

**Juan Migliore**, professor of mathematics, presented “New Directions for the Multiplicity Conjecture” on Oct. 16, at the workshop on “Syzygies and Hilbert Functions,” held at the Banff International Research Station.

**Tonia Hap Murphy**, assistant professional specialist in accountancy, presented “Michael Novak’s *Business as a Calling* as a Vehicle for Addressing Ethical and Policy Concerns in a Business Law Course” at the annual meeting of the Academy of Legal

Studies in Business, St. Petersburg, Fla., Aug. 11.

**Rev. Ronald Nuzzi**, director, ACE Leadership Program, presented the keynote address, “The Spirituality of Teaching,” at the annual diocesan convocation for Catholic education in the Diocese of Honolulu in Kaneohe, Aug. 21; a workshop for religious educators, “Faithful Forever: Implementing the New Directory for Catechesis,” for the Diocese of Monterey, Calif., Oct. 13; and a lecture, “The Biblical Basis for Inclusion,” in Santa Cruz, Calif., Oct. 14.

**William O’Rourke**, professor of English, read from his work on Oct. 11, as part of the “Fall 2006 Hugh C. Hyde Living Writers Series” at San Diego State Univ.

**Catherine Perry**, associate professor of French and Francophone Studies and Fellow of the Nanovic Institute and the Kroc Institute, presented “*La Roumanie, terre paternelle et patriarcale d’Anna de Noailles*,” *Conseil International d’Études Francophones, Congrès Mondial de Sinaia*, Romania, June 25–July 2; and “*Cette aveuglante absence de lumière, de Tahar Ben Jelloun, entre fiction et témoignage*” at a conference in honor of Prof. S. Nash at Princeton Univ., May 19–20.

**Joan M. Phillips**, assistant professor of marketing, presented “Does Confirmation Trump Valence? Confirmation and the Effects of Negative and Positive Political Advertising,” coauthored with **Joel E. Urbany**, professor of marketing, and T. Reynolds, at the Association for Consumer Research conference, Orlando, Fla., on Sept. 29.

**Joseph A. Prahlow, MD**, guest associate professor of biology, presented the invited presentations “Everything Autopsy,” Elkhart General Hospital continuing medical education program, in February; “Police Interaction with Forensic Pathologists,” South Bend Police Dept., April 5; and “Autopsies and Evidence,” “Memorial Hospital Float Nurse Education Series,” May 4. He also presented “Lead Snowstorm’ Radiographic Appearance Caused by Fragmentation of Buckshot” at the annual meeting of the National Association of Medical Examiners, San Antonio, on Oct. 14.

**Karen E. Richman**, director of Border and Inter-American Affairs, presented “Political Transnationalism in Fits and Starts: Haitian and Mexican Cases and the Campaigns of the Tomato and Frozen Food Kings” at the 18th annual conference of the Haitian Studies Association, Univ. of Virginia, Charlottesville, in October.

**Colleen Ryan-Scheutz**, associate professor, Dept. of Romance Languages and Literatures, presented “Teaching and Evaluating Listening in Upper-Level Language Courses” at the College Board’s annual convention for advanced placement, July 14.

**Robert P. Schmuhl**, the Annenberg-Joyce Professor of American Studies and Journalism, presented “History’s First Draft for the ‘Exiled Children’: American Journalism and Easter 1916” at the Byrne Perry Summer School devoted to “Easter 1916” in Gorey, County Wexford, Ireland, on June 24; discussed “American Politics” on the WGN program *Extension 720* in Chicago on Oct. 25; commented on “Indiana Congressional Politics” for *Street Signs* on CNBC on Oct. 27; provided an “Election Preview” on *The Harvest Show* for the Lesea Broadcasting Network on Nov. 2; and talked about “The Second District Congressional Race” on *Politically Speaking* on WNIT/PBS on Nov. 5 in Elkhart. He presented four Hesburgh Lectures for the Notre Dame Alumni Association at the College of Saint Rose in Albany, N.Y., on Oct. 4; at Bradley Univ. in Peoria, Ill., on Oct. 17; at the Notre Dame Club of Phoenix, Oct. 19; and at the Indian River Community College in Stuart, Fla., on Oct. 28.

**Jeanne Romero-Severson**, professor of biological sciences, presented “Comparative Mapping the *Querus* Genus” at the “Fifth International Oak Conference” in Dallas, Oct. 30–Nov. 3.

**Rev. William D. Seetch, CSC**, religious superior in Notre Dame Athletics, presented “The Eucharist: Food for the Journey; Gospel Comfort and Gospel Challenge” for the First Friday Club of the Diocese of Cleveland on Nov. 2.

**Steven W. Semes**, the Rooney Associate Professor of Architecture, delivered the following invited lectures this fall: an address

on Oct. 4 to the conference on additions to historic buildings and districts sponsored by the National Civic Art Society and the Traditional Building Exhibition and Conference in Washington, D.C.; an address on Oct. 20 to "Adding Without Subtracting," a conference on new architecture in historic settings sponsored by the National Trust for Historic Preservation in Milwaukee, Wisc.; and a paper delivered Nov. 5 at "The Venice Charter Revisited," an international peer-reviewed conference sponsored by the International Network for Traditional Building, Architecture, and Urbanism, in Venice, Italy.

**Thomas L. Shaffer**, the Short Professor of Law Emeritus and supervising attorney in the Notre Dame Legal Aid Clinic, made presentations with student-lawyers from the clinic on wills, trusts, powers, and health-care agencies to groups at Little Flower Catholic Church, the Robinson Center, and the Forever Learning Institute; and offered their services to low-income individuals and families in these programs and at University Village in September.

**Duncan Stroik**, associate professor of architecture, presented "Opera Artis—Domus Dei" at the Fellowship of Catholic Scholars annual convention, "Sacrosanctum Concilium and the Reform of the Liturgy," in September in Kansas City; and in October, presented "Theological principles of Sacred Architecture" at the St. Paul Seminary at the Univ. of St. Thomas in St. Paul, Minn.; "Everything You Wanted to Know About Church Architecture but Were Afraid to Ask"; a seminar on "Architecture and Legal Issues" with S. Lindemann at the office of Leonard, Street and Deinard in Minneapolis; and "Sacred Architecture" at the Fall Priest's Afternoon of Recollection at the Oratory in Philadelphia, Pa.

**Kevin Vaughan**, associate professor of biological sciences, presented "Differential Targeting of Cytoplasmic Dynein Through Phosphorylation" to the Dept. of Cell Biology and Anatomy at the Univ. of Arizona in Tucson, Nov. 5–7.

**Carroll William Westfall**, the Frank Montana Professor of Architecture, presented "To Restore the American City: A Guide from the Past to the Present" at the "Amherst College Colloquium on the American Founding," Sept. 11.

**Michael C.F. Wiescher**, the Freimann Professor of Physics, presented "Scientific Opportunities with a Rare Isotope Facility in the United States," a National Academies report, in Washington, D.C.

**Oliver F. Williams**, CSC, associate professor of management and Kroc Institute Fellow, participated in a panel discussion on "Freedom on the Internet and the Ethical Responsibility of IT Companies in China" at Notre Dame, Sept. 5; facilitated a discussion on "The Global Health Crisis: Forging Solutions, Effecting Change," at Notre Dame, Sept. 27; and presented "Ethics in Planned Giving and Elder Care Issues" at the "Thirty-Eighth Annual Catholic Fundraising Conference" in Chicago, Oct. 3.

**Carolyn Y. Woo**, the Gillen Dean and Siegfried Chair in Entrepreneurial Studies, presented "Peace Through Commerce" as a member of a panel on "Management Knowledge Leading Positive Change: Action Initiatives," UN Global Forum on Business as an Agent of World Benefit, Oct. 25, in Cleveland.

**Samir Younés**, associate professor of architecture and the Rooney Director of Rome Studies, presented "The Value of Monuments and the Charter of Venice" at the "Revisiting the Charter of Venice Conference," organized by the International Network for Traditional Building, Architecture and Urbanism, the Arsenale, Venice, Italy, Nov. 2.

## Publications

**J. Douglas Archer**, librarian, published "DOPA or Here We Go Again," *IOLUG News* 23, No. 1 (October): 4.

**Wendy Arons**, assistant professor of film, television, and theatre and Fellow in the Nanovic Institute, published *Performance and Femininity in Eighteenth-Century German Women's Writing: The Impossible Act* (Palgrave Macmillan, 2006).

**Matthew J. Barrett**, professor of law, published the 594-page temporary concise fourth edition of *Materials on Accounting for Lawyers* (Foundation Press) (with D. Herwitz), along with a 465-page teacher's manual to the unabridged fourth edition.

**Seth N. Brown**, associate professor of chemistry and biochemistry, published "Kinetic Effects in Heterometallic Dinitrogen Cleavage" with S.B. Seymore, *Inorganic Chemistry* 45 (2006): 9540–550.

**Denise M. Della Rossa**, associate professional specialist in the Dept. of German and Russian, published "Making Women's History Public in Nineteenth-Century Germany: The Role of Biography in the Women's Periodical Press" in *Lifewriting Annual. Biographical and Autobiographical Studies* 1 (2006): 123–43.

**JoAnn DellaNeve**, associate professor of French and Francophone Studies, published the entry on Maurice Scève in the *Dictionary of Literary Biography 327: Sixteenth Century French Writers*, ed. M. Conway (Detroit: Thomson Gale, 2006) 384–92.

**Agustin Fuentes**, the O'Neill Associate Professor of Anthropology, published "Undergraduate Research in Anthropology: Students and the Creation of Anthropological Knowledge" with **Deborah Rotman**, assistant professional specialist in anthropology, in *Anthropology News* 47, No. 8 (2006): 14–15; "Evolution is Important but It is Not Simple: Defining Cultural Traits and Incorporating Complex Evolutionary Theory" in *Behavioral and Brain Sciences* 29 (2006): 354–55; and "Human-Nonhuman Primate Interconnections and Their Relevance to Anthropology" in *Ecological and Environmental Anthropology* 2, No. 2 (2006): 1–11.

**Patrick Gaffney**, CSC, associate professor of anthropology, director in the College of Science, and Kroc and Kellogg Institutes Fellow, published "Death in the Soviet Union: Mortuary Customs, Memorial Practices, and Mortality Statistics" in the *Supplement to the Modern Encyclopedia of Russian, Soviet and Eurasian History (SMERSH)* 7 (Gulf Breeze, Fla.: Academic International Press, 2006): 218–22.

**Nicole Stelle Garnett**, associate professor of law, published "The Neglected Political Economy of Eminent Domain," 105 *Michigan Law Review* 101 (2006).

**Richard Garnett**, associate professor of law and Fellow of the Institute for Educational Initiatives, published "What Would Lincoln Do?" in *The Weekly Standard* (Oct. 16),

and "Don't Use First Amendment to Erase Divisions" in the *Los Angeles Daily Journal*.

**Bei Hu**, professor of mathematics, published "A Shrinking Two-Point Free Boundary Problem for a Quasilinear Parabolic Equation" with J.-S. Guo, *Quarterly of Applied Mathematics*, No. 3 (2006): 413–31.

**Gordon L. Hug**, instrumentation coordinator in the Radiation Laboratory, published "Control Over Charge Separation in Phthalocyanine-Anthraquinone Conjugates as a Function of the Aggregation Status" with Dirk M. Guldi, visiting scholar in the Radiation Laboratory, et al., *J. Am. Chem. Soc.* 128, No. 39 (2006): 12674–684.

**Carlos Jerez-Farrán**, professor of Spanish, published "Esta niña tan mona pero tan perversa: Nuevo acercamiento a La llamada de Lauren de Paloma Pedrero," *Anales de la Literatura Española Contemporánea* 31, No. 1 (2006): 139–71; and "García Lorca, el espectáculo de la inversión sexual y la reconstitución del yo," *Bulletin of Spanish Studies* 83, No. 5 (2006): 669–93.

**Encarnación Juárez-Almendros**, associate professor of Romance languages and literatures, Fellow of the Medieval Institute, and Fellow of the Nanovic Institute, published "Virilidad, impotencia y ropas en el Guzmán de Alfarache," *Actas del VII Congreso de la Asociación Internacional Siglo de Oro (AISO)* (London: Tamesis, 2006): 365–69; and "Quevedo, Contreras, Duque de Estrada y sus conceptos del Mediterráneo," *La Perinola* 10 (2006): 361–82.

**Joshua Kaplan**, associate professional specialist in political science, published *Political Theory: The Classic Texts and Their Continuing Relevance* (Prince Frederick, MD: Recorded Books, 2005); and a review of D. Novak, *The Jewish Social Contract: An Essay in Political Theology*, in *The Review of Politics* 68, No. 3 (Summer 2006): 510–13.

**Eugene R. Marshalek**, professor of physics emeritus, published "Intrinsic Quadrupole Tensor in the Geometric Interpretation of the Interacting Boson Approximation (IBA-1)" in *Physical Review C* 74 (2006): 044307 (7 pages).

**David Mayernik**, associate professor of architecture, published "The Winds in the Corners: Giulio Romano, the Elements, and the Palazzo Te's *Fall of the Giants*" in

*Aeolian Winds and the Spirit in Renaissance Architecture*, ed. B. Kenda (London: Routledge, 2006).

**Anthony N. Michel**, the Freimann Professor of Engineering Emeritus and the McCloskey Dean of Engineering Emeritus, published "Analysis and Design of Switched Normal Systems" with G. Zhai, X. Xu, and H. Lin, *Nonlinear Analysis* 65 (2006): 2248–259; "Unifying Theory for Stability of Continuous, Discontinuous, and Discrete-Time Dynamical Systems" with L. Hou, *Proceedings of the IEEE International Symposium on Intelligent Control* (2006): 492–97; and "Stability of Digital Control Systems with Delays" with Y. Sun and G. Zhai, *ibid.*: 498–503.

**Patrick E. Murphy**, the Smith Codirector of the Institute for Ethical Business Worldwide, professor of marketing, and Nanovic Institute Fellow, published "Marketing, Consumers and Technology," coauthored with G. Laczniak, *Business Ethics Quarterly* (July): 313–22.

**Rudolph M. Navari, MD**, director of the Notre Dame Cancer Institute and adjunct professor of chemistry and biochemistry, published "Palonosetron: a Second-Generation 5-hydroxytryptamine Receptor Antagonist" in *Future Oncology* 2, No. 5 (2006): 591–602; and "Infections in Cancer Patients" in *Textbook of Palliative Medicine*, E. Bruera et al., eds. (London: Arnold Publishers, 2006): 761–67.

**Bruce C. Noll**, research associate professor of chemistry and biochemistry, published "Kinetics and Mechanism of Ketone Enolization Mediated by Magnesium Bis(hexamethyldisilazide)" with X. He, J.J. Morris, **Seth N. Brown**, associate professor of chemistry and biochemistry, and **Kenneth W. Henderson**, associate professor of chemistry and biochemistry, *Journal of the American Chemical Society* 128 (2006): 13599–610.

**Susan Ohmer**, assistant professor of film, television, and theatre, published *George Gallup in Hollywood* (New York: Columbia Univ Press, 2006): 281 pages.

**Joseph A. Prahlow, MD**, guest associate professor of biology, published "Sudden Death Due to Asphyxia by Esophageal Polyp: Two Case Reports and Review of Asphyxial Deaths" with C. Carrick et al., *American Journal of Forensic Medicine*

*and Pathology* 26 (2005): 275–81; and "Syphilitic Coronary Artery Ostial Stenosis Resulting in Acute Myocardial Infarction and Death" with J.L.W. Kennedy et al., *Cardiology* 105 (2006): 25–29. He edited and wrote or cowrote the following chapters in *Basic Competencies in Forensic Pathology: A Forensic Pathology Primer* (College of American Pathologists, 2006): "Hospital Versus Medicolegal (Forensic) Autopsies" (Chapter 3): 5–14; "Medicolegal Autopsies: An Overview" (Chapter 6): 33–36; "Postmortem Chemistry" (Chapter 9): 53–57; "Drugs and Toxins" (Chapter 10), with D.M. Hunsaker and M.J. Burt: 59–82; "Deaths Due to Electricity" (Chapter 15): 115–22; and "Deaths Due to Extremes in Temperature" (Chapter 16): 123–34.

**Robert P. Schmuhl**, the Annenberg-Joyce Professor of American Studies and Journalism, published *In So Many Words: Arguments and Adventures* (Notre Dame: Univ. of Notre Dame Press, 2006): 209 pages; "The Little Penmaker Who Does" in *Notre Dame Magazine* (Summer, 2006): 58; "Less about the Message, All about the Delivery" in *Scripps Treasure Coast Newspapers* (Oct. 11): A7; and "Reagan and the 1994 GOP Sweep" in *The Christian Science Monitor* (Nov. 2): 9.

**Steven W. Semes**, the Rooney Associate Professor of Architecture, published "The Art of Conversation," *Period Homes* (September); and "Chorus Angelorum: The Place of Musicians in the Church Interior," *Sacred Architecture* (Fall).

**Slavi C. Sevov**, professor of chemistry and biochemistry, published "Chemistry of Deltahedral Zintl Ions" with J.M. Goicoechea, *Organometallics* 25 (2006): 5678–692.

**Mark A. Suckow**, director of the Freimann Life Science Center edited, along with J. Silverman and S. Murthy, *The IACUC Handbook* (CRC Press, 2006): 652 pages; and wrote, along with B.J. Doerning, the chapter, "Assessment of Veterinary Care."

**M. Katherine Tillman**, professor emerita in the Program of Liberal Studies, published "'Realizing' the Classical Authors: Newman's Epic Journey in the Mediterranean," *Newman Studies Journal* 3, No. 2 (Fall): 60–77.

**Carroll William Westfall**, the Frank Montana Professor of Architecture,

published "Making Man's Dignity Visible in Buildings: The Foundations in Leon Battista Alberti's *de re aedificatoria*," in *Human Nature in Its Wholeness: A Roman Catholic Perspective*, ed. D.N. Robinson, G.M. Sweeney, and R. Gill (Washington, D.C.: Catholic Univ. of America Press, 2006): 144–59; and "Why We Need a Third Architectural Treatise," *American Arts Quarterly* 23, No. 3 (2006): 14–22.

**Michael C.F. Wiescher**, the Freimann Professor of Physics, published "Neutron Capture Cross Section Measurements for Nuclear Astrophysics at CERN n\_TOF" with U. Abbondanno et al., *Nuclear Physics A* 758 (1005): 501c–03c; "The Importance of  $^{15}\text{O}(\alpha, \gamma)^{19}\text{Ne}$  to X-Ray Bursts and Superbursts" with **Jacob Lund Fisker** (research associate in physics), **Joachim Görres** (research professor of physics), and B. Davids, *Astrophysical Journal* 650 (2006): 332; "Mg and Al Production in

Intermediate-Mass Asymptotic Giant Branch Stars" with A.I. Karakas, M. Lugaro, C. Ugalde, and Joachim Görres, *New Astronomy Reviews* 50 (2006): 500; "Fusion Reactions in Multi-Component Dense Matter, with D.G. Yakovlev, **Leandro Romero Gasques** (research associate in physics), **Anatolijs Afanasjevs** (research assistant professor of physics), and **Mary Beard** (graduate student) in *Physical Review C* 74 (2006): 035803; and "Resonance Capture Cross Section of  $^{207}\text{Pb}$ " with C. Domingo-Pardo et al., *ibid.* 74 (2006): 055802.

# Administrators' Notes

## Activities

**Jessica Collado**, research associate at the Center for Social Concerns, presented "Mission Achieved? Research on Civic Engagement and Moral Learning at the University of Notre Dame" with **Jay Brandenberger**, director of Experiential Learning and Developmental Research at the Center for Social Concerns, at the "Strengthening Civic Engagement and Spirituality in Higher Education Conference" at DePaul Univ., Chicago, on Sept. 22.

**Miguel Franco**, staff psychologist, University Counseling Center, presented "Masculinity: Does It Bring You Closer or Further Away from Jesus?" at St. Joseph Middle School, South Bend, on Oct. 27.

**Annie Cahill Kelly**, director of Community Partnerships and Service Learning at the Center for Social Concerns, presented "The Community-Based Learning Coordinator Model: Working toward Effective Partnerships" at the National Society of Experiential Education 35th annual conference in Nashville, Oct. 11–14.

**Richard Klee**, tax director in the Office of the Controller, presented "Tax Considerations Overseas: Forms, Filings and Foreign Investments," and "Do You Know Who is Using Your Tax ID Number? Getting a Handle on Student and Related Organizations" for the annual "Tax Forum" sponsored by the National Association of

College and University Business Officers (NACUBO).

**Angela Miller McGraw**, director of Seminars and Educational Immersions at the Center for Social Concerns, presented "Teaching Catholic Social Tradition: Integrating Faith, Knowledge and Civic Responsibility" with A. Laidman at the "Strengthening Civic Engagement and Spirituality in Higher Education Conference" at DePaul Univ., Chicago, on Sept. 22.

**Andrea Smith Shappell**, director of Summer Service Learning Programs at the Center for Social Concerns and associate professional specialist in the Institute for Church Life, presented "Methods and Theological Reflection in the Summer Service Learning Program" at the "Strengthening Civic Engagement and Spirituality in Higher Education Conference" at DePaul Univ., Chicago, on Sept. 22.

## Publications

**Alan S. Bigger**, director of building services, published "Rising Need for Performance Indicators" on the *Clean Scene* website, <http://www.issa.com/knowledgecenter/index.jsp?cat1=-2&cat2=229&type=articles&id=2325#> (October); and "On the Ball Training Helps Us Score a Goal" with

L.B. Bigger, *Executive Housekeeping Today* 28, No. 11 (November): 6–8+.

**Timothy W. Marin**, research associate in the Radiation Laboratory, published "Temperature and Density Dependence of the Light and Heavy Water Ultraviolet Absorption Edge" with K. Takahashi and **David M. Bartels**, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, *J. Chem. Phys.* 125 (2006): 104314, 1–11.

**Gustavo Ruiz**, staff member in the Radiation Laboratory, published "Preparation and Reactivity of Pendent-O2RhIII(phthalocyanine) Bound to a Poly(acrylate) Backbone: Effects of the Hypercoiled Backbone on the Association, Photochemical, and Thermal Redox Reactions of the Pendent Macrocyclic" with S. Thomas and **Guillermo Ferraudi**, professional specialist in the Radiation Laboratory, *Macromolecules* 39, No. 19 (2006): 6615–621.

**Pallikkara K. Sudeep**, staff member in the Radiation Laboratory, published "Photochemistry of Ruthenium Tris(bipyridine) Functionalized on Gold Nanoparticles" with P. Pramod, K. George Thomas, and **Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Laboratory, and concurrent professor of chemical and biomolecular engineering, *Journal of Physical Chemistry B* 110, No. 42 (2006): 20737–741.

# Documentation

## University Committee on Library (UCL)

### Minutes of the Meeting of September 8, 2006

7:30—9:00 am, Café DeGrasta

**UCL Members Present:** John Weber (Chair), Larry Taylor, Charles Barber, Edmund Edmonds, Parker Ladwig, David Smith, Brian Pitts, David Leighton, and Jennifer Younger. Absent and excused: Susan Blum, John Robinson, Semion Lyandres, and Gordon Wishon (ex officio).

**Observers / guests:** Melodie Eiteljorge, acting recorder

**Call to order** at 7:30 am by Chair, John Weber

### Welcome and Introductions

John Weber, UCL Chair, welcomed all in attendance, especially the newest members of the committee—Charles Barber (Humanities), Edmund Edmonds (ex officio, Law), and David Leighton. (Engineering).

### Election of UCL Chair

After brief introductions from each of the members, John Weber directed the committee to the first item of business on the day's agenda—the election of a new committee chair. After opening the floor for discussion, Dave Smith nominated John Weber to continue as Chair. Parker Ladwig seconded. Weber was elected unanimously by a show of hands to continue as Chair. This follows the tradition of the UCL Chair ideally serving two terms to provide continuity for UCL deliberations.

### Chair's Report

The May 2006 UCL Minutes were distributed and approved previously via email. Weber put last year's minutes into a single file, which are posted on the website as one document so that they are more readily searchable for specific topics. The individual monthly Minutes are also posted

as separate documents.

**Annual Report:** Chair Weber introduced discussion of the draft version of the UCL Annual Report for 2005–06. He indicated that the coverage of the report is extensive because he felt the Annual Report offers an opportunity to provide appropriate background on primary library issues for both new UCL members and for the faculty at large. The report focuses upon the influences that technology and costs have had as the primary factors influencing library priorities and strategies. He suggested that future UCL annual reports would likely be more concise, since they could reference the broader coverage of this report for 2005–06. (Further discussion of Annual Report appears below.)

**Senate Meeting.** Both John Weber and Library Director, Jennifer Younger, were invited to speak at the first meeting of the Faculty Senate (September 6, 2006), which focused on the library. Weber made available a draft of the annual report to the Senate and used it as a faculty outreach opportunity for the library. In his review with the Senate Weber synthesized how technology and cost impact the library and continue to create many challenges and opportunities. He also reviewed the assigned role of UCL and assured Senators that through creative, proactive leadership under significant fiscal constraints, the library is moving forward in very responsible fashion.

### Director's Report

Director Younger thanked several UCL members who attended the new faculty reception hosted by the library on Sept. 7. She then distributed the new recall policy poster, noting the immediate success of the program in triggering returns of overdue materials to the library, particularly from the faculty. She also mentioned that the support of faculty, the Faculty Senate and the UCL was instrumental in bringing the funding needs to the attention of the Provost, prior to his decision to assign a portion of the 2006 Fiesta Bowl proceeds to

the Library. She reported that the Advisory Committee on University Libraries is meeting on September 28–29, 2006. The meeting this year will focus on library campaign priorities, as summarized in the Library Task Force Report. UCL members suggested emphasizing, among other issues, how technology is changing the library and the challenges the library is facing in making acquisition vs. access decisions.

Regarding the Senate Meeting on Sept. 6, topics that Younger addressed included the following:

**Fiesta Bowl Proceeds.** She discussed the distribution of the \$1.5 M received from the 2006 Fiesta Bowl, reviewing the distribution of the funds (to History, Africana Studies, IEEE Engineering Digital Library and Web of Science) as well as the factors considered in the distribution choices. Elaborating, she indicated that one million dollars will go to History to support retrospective purchasing of 20th century books and other resources for History, since History is a library priority for the College of Arts and Letters due to the relatively weak library collections. Providing immediate desktop access to core information resources is another priority being addressed—specifically by licensing the IEEE Engineering Digital Library and making a commitment to complete Notre Dame's library digital holdings of Web of Science back-files.

**Authors' Rights.** She then reviewed recent national discussions on author rights related to copyrighted materials, such as distributing copies in their own courses and use in their research, posting their manuscripts on a personal or institutional Web site and/or creating derivative works. More information is available on the SPARC (Scholarly Publishing and Academic Resources Coalition) site at <http://www.library.nd.edu/ucl/minutes/documents/UCLSept806Minutes.pdf>.

**Expanded Free Access to Federally Funded Research Reports.** She also spoke about Notre Dame's support for expanded access to federally funded research reports through endorsement of the bipartisan *Federal Research Public Access Act of 2006* (S2695). She noted that, after consultation with Seth Brown, chair, Faculty Senate and Dave Smith, UCL member, the Provost



added his name to the list of supporting private and public universities on the SPARC at <http://www.library.nd.edu/ucl/minutes/documents/UCLSept806Minutes.pdf>. If implemented, the legislation would require that US Government agencies with annual extramural research expenditures over \$100 million make electronic manuscripts of peer-reviewed journal articles stemming from federally funded research freely available on the Internet.

As a final note on the meeting with the Faculty Senate, Younger indicated that Faculty Senate President, Seth Brown, has invited the UCL to contact him if there are areas where the Faculty Senate might be able to assist the UCL in its deliberations regarding of library issues and related strategy implementation.

#### **Expanded Free Access to Federally Funded Research Reports**

The bipartisan *Federal Research Public Access Act of 2006* (S2695) proposal generated several questions from UCL members. David Leighton asked whether the proposed new federal policy would cover back issues. Younger indicated that many but not all journals do still charge for back content. Back issues of more and more journals are becoming available freely on the Web. For example, Highwire Press, which publishes journals in biomedicine and other sciences, has permission from the publishers of over 50 journals to make issues older than 1 year freely available on the Highwire site <http://www.library.nd.edu/ucl/minutes/documents/UCLSept806Minutes.pdf>.

Larry Taylor asked about the availability of back issues in Mathematics journals. Younger replied that Project Euclid web site provides free access (<http://www.library.nd.edu/ucl/minutes/documents/UCLSept806Minutes.pdf>) to back issues (older than 5 years) of about 15 journals in mathematics and statistics. Weber asked what happens when only a portion of the articles in a given journal are based upon federal resources or when an article is generated only partially from federal research funds? Dave Smith said that the policy varies by journal, even within a given discipline. Younger observed that the NIH has a program whereby authors are requested to submit a final report to NIH for deposit into its free digital archive

of biomedical and life sciences journal literature—PubMedCentral—<http://www.library.nd.edu/ucl/minutes/documents/UCLSept806Minutes.pdf>. It is up to investigator not the journal to make sure a particular article makes it into that digital archive. This cannot act as a substitute for subscribing to a particular journal since not all articles in any journal are federally funded. Brian Pitt noted that the federal policy is only national in scope and typically excludes articles from authors in other countries.

#### **UCL Annual Report for 2005–06 Academic Year**

John Weber introduced the discussion of the draft version of the Annual Report by emphasized that coverage of the report and stances taken in the report were consistent with the draft version of the forthcoming Library Task Force Report. He also noted again emphasized that technology and costs seem to be common factors that drove UCL discussions of most library issues last academic year.

Parker Ladwig indicated he was generally pleased with the content of the report, especially the inclusion of discussions of the Fiesta Bowl money and the forthcoming Library Task Force Report. However, he expressed some concern over the length of the report (over 15 pages) and suggested it would be helpful to include a one or two page executive summary. Dave Smith said he liked the content of the report but also felt it was too long and had concerns that those on the Academic Council might not read a report that long. He suggested a much more compact report and to then include the current expansive draft on the UCL web-site as a tutorial or reference work for new UCL members and interested faculty.

Given those concerns, Weber suggested delaying a vote on approving the report pending addition of an Executive Summary—which he will generate and then re-submit a draft version of the proposed report for re-consideration by UCL members.

#### **Fiesta Bowl Revenues**

Lawrence Taylor suggested that the faculty would like more information on the Fiesta Bowl money allocated to the library.

Director Younger said she appreciates hearing that the faculty would like to know more about the Fiesta Bowl library money and how it will be distributed. She indicated that an article will appear in Notre Dame Works in the near future reviewing the library distribution of the Fiesta Bowl revenue. She would prefer to wait to see what is said there before communicating further with the faculty at large. The library faculty and staff as well as the department chairs in History, Africana Studies, and Engineering (and those deans) have already been informed of the distribution decisions.

#### **Schedule of UCL Meetings for 2006–07**

Friday, September 8  
Thursday, October 12  
Friday, November 10  
Friday, December 8  
No meeting in January 2007  
Friday, February 16  
Thursday, March 8  
Friday, April 13  
Friday, May 11

All meetings will take place at 7:30 a.m. at Café Degra. .

#### **Issues for Discussion in UCL Meetings during Academic Year 2006–07**

The group spent only a few moments discussing potential topics for UCL deliberations during academic year 2006–07. Potential topics include:

- Review and implications of the Library Task Force Report for the library and for the UCL;
- Author rights in copyright;
- Archives for journal articles generated through federal funding;
- Promotion of library materials, programs and user services to various internal and external user constituencies—including faculty outreach programs;
- Role of the Notre Dame libraries in the various state, national and international consortia to which it belongs (e.g., in what areas should the Notre Dame Libraries strive to become a primary collector and repository, i.e., which distinguished collections to maintain, build and promote);

Role can the library play in efforts to enhance the information literacy of library patrons (students and faculty);

Strategies the library can use to enhance Notre Dame scholars' ready access to global resources in different disciplines—including expeditious provision of content and preferred formats for various subject areas and academic programs;

Balancing acquisition versus access strategies (e.g., should the library subscribe to a particular journal or purchase/borrow articles as needed);

Adjusting to budgetary pressures from external (e.g., inflation/costs and proliferation of materials—especially in digital format) and internal (budget/resources available) sources—including choices on where and how to cut back and compromise spending in a manner that minimizes the negative impact on the productivity of Notre Dame scholars and prioritized research programs.

UCL members were asked to bring additional items to the attention of Director Jennifer Younger or UCL Chair John Weber.

### Meeting Adjournment

Adjourned: 9:00 am.

The next meeting is scheduled for Thurs., October 12, 7:30 am, at Café Degra. .

Respectfully submitted,

Melodie Eiteljorge  
Acting Recorder

## University Committee on Women Faculty and Students

University Of Notre Dame

Meeting of May 4. 2006

**Members present:** Susan Blum (chair), Alexandre Chapeaux, Liz Dube, Mary Louise Gude, C.S.C., Kevin Misiewicz, Salma Saddawi

**Members absent:** Patricia Bellia, Doris Bergen, Renee D'Aoust, Patrick Gaffney, CSC, Sallie Hood, Jean Ann Linney, Mary Ann McDowell, Zach Ortiz, Agnes Ostafin, Kaity Redfield, Gina Shropshire

**Guests present:** Dr. Nancy S. Ferris, Director, Foundation Science Center, Research and Development, Eastman Kodak Company; Cathy Pieronek, Director, Women's Engineering Program; Heather Rakoczy, Director, Gender Relations Center

**Observers present:** Mary Hendriksen, Office of the Provost, reporter

Prof. Blum, chair of the University Committee on Women Faculty and Students, called the meeting to order at 2:05 p.m.

**1. Minutes of the meeting of March 27, 2006:** The minutes of the meeting of March 27, 2006, were approved without change.

### 2. Committee reports:

**(a) Spousal employment:** In March, Prof. Blum wrote to Provost Thomas Burish on the need for increased attention and resources to spousal employment. At today's meeting, Prof. Blum read a portion of Dr. Burish's reply suggesting that funding for an expanded spousal employment program might be attractive to a University donor.

**(b) UCWFS Web site:** Throughout the year, a subcommittee has developed plans for a UCWFS Web site that will be organized into six categories: overview/purpose of the Committee, membership, current projects, accomplishments, resources for women at Notre Dame, and a brief history of women at Notre Dame.

Today, Prof. Blum reported that Dr. Burish has agreed to fund construction of the site, which the subcommittee hopes to have up and running by mid-August.

Ms. Dube said that the site will be linked to the Provost's Office site, <http://provost.nd.edu/>. Prof. Linney will sign off on all other links—e.g., primary caregiver extension of the tenure clock, child care, spousal employment assistance. Committee members should send recommendations of potentially useful links to her.

**3. Presentation by Dr. Nancy Ferris, Director, Foundation Science Center, Research and Development, Eastman Kodak Company:** Dr. Ferris, a chemist employed by the Eastman Kodak Company since 1981 in a variety of leadership roles, was invited by the Committee to present information on ways some corporations (for example, Eastman Kodak, General Electric,

DuPont, Xerox, and Bausch and Lomb) have redefined the promotion process in the past 20 years to better accommodate women. Some of the corporations' accommodations extend to women who have worked part-time or who have made other changes to the standard work trajectory.

Dr. Ferris first outlined the major areas of her presentation:

- (1) General motivators for professional women in the workforce;
- (2) Barriers to the advancement of women;
- (3) Possible solutions/strategies for greater advancement of women;

As to general motivators for professional women, Dr. Ferris noted that while the order of their importance may be different for women than for men, entry motivators for women are generally the same as for men: challenging, rewarding assignments; the ability to contribute to the success of the organization; opportunities for advancement; and satisfactory compensation. Yet, when it comes to retention, she said, different factors may affect women's and men's work choices. She identified the primary retention factors for women as:

- a desire for increased flexibility and work/life balance
- the presence of a "glass ceiling"
- a dissatisfaction with the organization's culture (e.g., presence of a hostile environment or an unsupportive manager, no role models—either male or female)
- lack of access to challenging opportunities
- better/fairer compensation
- family situations, including spouse/partner employment choices.

Barriers to the advancement of women in corporate America are many, Dr. Ferris said. Our corporate infrastructure and culture were developed 40 to 50 years ago, when most, if not all, industry leaders were male, and family life was much less challenging in the area of work/life balance than it is now. Thus, particularly for women, demands of work and career are frequently at odds with personal responsibilities and commitments—leading both to

stress and to significant feelings of isolation from a lack of role models, networks, and mentors.

Dr. Ferris said that leaders of several corporations, including Eastman Kodak, realized at least 20 years ago that retaining and developing talent within their own employee pool was to their benefit and would, in fact, give them a competitive advantage. In striving to retain women, corporate managers' initial solutions focused on individual situations—usually in response to a request made by an employee. Some enlightened managers drove or modeled changes. Yet, as more individual requests were made, perceptions of unfair treatment abounded. Moreover, there was a persistent inability to address the needs of both the corporation and the employees in any systemic way.

Even within these forward-thinking corporations, Dr. Ferris contended, real solutions did not occur until the corporate mindset changed from “you have a problem” to “we have a problem.” That problem, she said, was nothing less than a satisfactory balance of work and personal/family life. And, she noted, responses such as on-site daycare, while welcome, did not address the problem directly. They were merely solutions at the “boundaries of the problem.”

In most cases, Dr. Ferris pointed out, the real issue for advancement of women is flexibility, and not only in the work day but in the structure of the work itself. Her corporation and others like it have found that solutions must be systemic and fairly implemented. For employees, the desired flexibility can best be achieved through simultaneous changes in structure and culture—all positioned as a means to corporate or institutional excellence. Dr. Ferris noted that flexibility must be made available at all stages of careers and must be embraced by top leadership so that employees can pursue flexible solutions without fear.

Dr. Ferris continued that in the effort to incorporate flexibility into an organization, employees' various situations and circumstances must be addressed holistically so that both managers and employees understand relevant business imperatives and business realities. It is also very important that policies and practices address the needs of the entire workforce—not only

those of young women—and be accompanied by the recognition that “one size does not fit all.” Moreover, she noted, patience and partnership in the implementation of policies are key. When attention is paid to all these factors, the net result is that employees opt for flexible policies routinely and those policies then become the norm.

In this entire process, Dr. Ferris emphasized, good leaders are essential. Leaders must state and drive the case for a culture change and be held accountable for implementation of flexible policies. They must also demonstrate that advancement of women is a business imperative, balance the “push” of the employee base with the “pull” of a competitive business landscape, and take risks in experimenting with different options. At Kodak, she said, each leader's performance in this area is carefully measured. For instance, managers have a “score card” for priorities related to:

- Recruitment, development, and retention;
- Creation of an inclusive environment
- Multicultural marketing
- Recognition and celebration of exemplary diversity and inclusion behaviors
- Support of employee networks and diversity councils (including external diversity involvement)

In addition, senior leaders in the organization are expected to be actively involved in mentoring future corporate leaders—especially leaders who do not look like themselves. Senior leaders also have mentors and receive input on their behavior and performance from several colleagues and employees by what is called an annual “360° evaluation.”

In working to achieve the organization's goals on the ground level, Dr. Ferris said, managers should be open to options and listen to requests for flexibility dispassionately, with a goal of determining subtle barriers or underlying issues. After considering options, they should implement policies and practices fairly, or challenge those that are unfair; recognize talent early and take time and risks to develop that talent, particularly by supporting women in “risky” assignments; be mindful of the visibility of their own role by mentoring and network-

ing; and be imaginative and encouraging of external views, particularly best practices outside one's own institution.

On the employee side, she said, employees opting for flexibility need to understand that they must deliver results and make the situation work, model solutions for others, and take risks when presented with opportunities.

In closing, Dr. Ferris called attention to the not-so-obvious point that challenging work assignments may be as key as financial compensation for women in the retention sphere. In her own life as well as the lives of many other women, she said, the rewards of work need to be at least as great as the rewards of raising children.

#### **4. Student representatives to be selected by the appropriate student organization:**

For clarification of election procedures, Prof. Blum noted that for the four student representatives who serve on the Committee—two undergraduates and two graduates—the correct procedure is selection by the appropriate elected representatives (Student Government and Graduate Union).” *Academic Articles*, Article IV, Sec. 3(1).

#### **5. Agenda items for the 2006–2007 academic year:**

Members identified several items for consideration for next year's agenda:

- Coaching/mentoring faculty—with the suggestion that faculty should mentor junior faculty members in departments other than their own;
- Organizing and promoting family friendly resources
- Infant care
- Spousal employment
- More formal relationship with staff women's organization, the Ad Hoc Committee on Women's Issues, and an exploration of why two different committees exist.

There being no further business, Prof. Blum thanked Dr. Ferris for her presentation and members present for their service this year. She adjourned the meeting at 3:50 p.m.

## Faculty Senate Journal

April 5, 2005

Chairman Seth Brown introduced himself and asked everyone else to introduce themselves.

For the Opening Prayer Chairman Brown suggested that since it has been an eventful month, and in the light of the themes of death and rebirth of the Easter season, and the death of the Pope, we take a moment to reflect.

After acknowledging that Professor Rich Williams was present at the March meeting, no other corrections were offered and minutes were approved.

### Chair's Report (see attached).

The chair stated that this is the last meeting of 2004–2005 faculty senate. The next meeting is for 2005–2006 faculty senate. He began with a thanks to all of us and especially those who are leaving the senate to resume our normal lives. For those continuing, you are encouraged to stand for election: chair, vice chair, finance, and 2 co-secretaries. See Joni Warner or Ramzi Balauan if you want to run. It is important to have a good executive committee. You can also serve by acting as a chair of a standing committee.

The Chair reminded us that Associate Provost John Affleck-Graves and the Chair will be presenting a report on the budget. He encouraged all to attend. The meeting was very informative the last time it was held. It provided an opportunity for the faculty to understand the perspective of the people who make the budget and it was likewise useful to them to get feedback on our concerns about the budget.

### Treasurer's Report (see attached)

The Chair introduced the report in Joni Warner's absence.

A brief discussion continued explaining the allocation of funds for telephone and refreshments.

Resolutions regarding letters of appreciation to the departing president and provost were acknowledged. Chairman Brown stated that the resolutions were taken up by the executive committee and Professor Constable drafted the separate resolutions (see attached).

A discussion of the text of the letter ensued. Several members indicated that the letter was vague.

Professor Brandenberger explained that in the executive committee there was a feeling that the more specifics we added the more we would have difficulty agreeing upon.

Professor William suggested that the letter might mention aspects of Monk's moral leadership that he admired most, including renovation of and support for the Robinson Community Learning Center, the South Bend Homeless Shelter, which has been recognized nationally, and the Day Care Center for Notre Dame families. He also praised the President's efforts to control drinking on campus. At Notre Dame and nationwide he has taken leadership.

Professor Profit concurred and added that our letter should therefore offer a more personal and emphatic statement.

Professor Giamo drew attention to Monk's vision of the university leading the transition to a national research university. Monk represented the university well in the media over the Tyrone Willingham firing. It was a good example of his honest assessment and his moral stance on that issue.

Chairman Brown stated that he could mention specifically praiseworthy accomplishments in his cover letter.

The text of the letter was amended.

Dear Monk,

The Faculty Senate, as a representative body of all the faculty at Notre Dame, would like to thank you for your dedicated service to the University over the past eighteen years in your position as President. We deeply appreciate the energy and commitment that you have contributed to enhance our collective work and to further the mission of the University. We are particularly grateful to you for the moral leadership that you have displayed with regard to many difficult issues that have confronted both the University and the South Bend community.

A motion to approve it passed unanimously.

Friendly amendments also modified the wording of the letter to Provost Hatch.

The motion to approve the revised resolution carried unanimously.

Dear Nathan,

The Faculty Senate, as a representative body of all the faculty at Notre Dame, would like to thank you for your dedicated service to the University over the past nine years in your position as Provost. We deeply appreciate your commitment to furthering the University's mission as an institution that values both research and teaching. We wish you all the best as you take on the position as president of Wake Forest University.

## Committee Reports

### Student Affairs Committee

Professor Brandenberger reported that they have been dealing with the honor code changes that have been proposed to the executive committee of the academic council. It is moving on without many changes. They are also addressing the curriculum rationale that departments did especially in relation to the mandates from each department for why a course might count for university requirements. The committee to reformulate the tce's has been constituted with 3 members of the faculty senate, 3 other faculty members, and 7 students. Today's meeting was a brainstorming session about what is feasible and how we can achieve it. Forming the committee is a significant accomplishment after 2 years of meetings.

Professor Williams also reported that a separate new committee will examine course information to better inform students when they make their course selections has been constituted.

### Benefits Committee

Professor Ghiaseddin announced that the committee is still working on the issue of the contribution to the retirement plan of summer salary. They are waiting for information from payroll to find out how much it will cost so we can negotiate with the university to find out what can be done. We are cautiously optimistic about it.

Also this is the first year that the flexible spending accounts for both health care and child care are being handled by North American Administrators. Professor

Ghiaseddin has heard that faculty and staff have had problems dealing with them, especially in rejecting claims while asserting that the IRS will not allow them. He asked anyone who has a specific issue about being treated unfairly by North American to e-mail him with a report.

#### Administrative Affairs

Professor Ramsey stated that the committee spent time in their meeting brainstorming about agenda items for the coming academic year. They include how to get faculty more involved in university affairs, for example, there has been no faculty involvement in budget. They talked about inviting John Affleck-Graves to meet with their subcommittee. They also intend to look more into some quirky by-laws, such as where academic council has more faculty involvement now because senate members are involved but they don't have status. They also discussed dealing with odd grievance issues, that aren't obviously covered under the auspices of any one committee.

#### Academic Affairs

Professor Robinson reported that the faculty senate and the academic council are on the same footing with regard to an amendment to article 4 of the *Academic Articles* and that the change will be approved at the next meeting for the council. It will add to the council's functions that it must approve major modification, establishment, and termination of degree-granting programs in an academic unit, so that whatever happened to the music department will soon require academic council approval before it goes through.

He also announced the creation of the committee, related to that previously mentioned by Professor Williams, that includes Dennis Jacobs, 3 members from this body, academic council, and pac. It will address how teaching should be assessed for promotion and tenure and it will be important that different styles of teaching in the university be recognized. It is one member short of the required number. The work of that committee will not start until summer or next academic year.

Professor Williams asked what constitutes an academic unit in light of the Dean of Arts and Letters' decision to abolish the laboratory for social research.

Professor Robinson responded that Associate Provost Maziar is hoping to impose clarity so that the articles are rationalized. He also noted that the matter came before the executive committee of the academic council. They determined that the matter did not involve the council and is a matter for the college of liberal arts to resolve. If you think that is not the case, when the new senate is established you can take up that question and questions of that sort for clarification in the articles for some kind of procedure.

Chairman Brown commented that in our system of national government the judiciary interprets the laws but we don't have such a system at Notre Dame. There is no ultimate reader of the *Academic Articles*. This modification is in any case less ambiguous because it is a degree program.

#### Old Business

Prof Trozzolo inquired about the status of our request to issue minutes in Notre Dame Reports, since they are yet to appear.

Chairman Brown responded that he will check with Ms. Rose Mitchell to see if she has submitted the minutes to the Notre Dame Report and will look in to it.

Professor Deane-Moran asked if back minutes will also be published.

Chairman Brown replied that he will try to get the past 6 months submitted.

#### New Business

Several members expressed concern about the new Renovare system and the common experience of phoning the registrar's office and hearing a message that no one is available to answer the phone because they are busy with Renovare. Professor Constable summarized the sentiment that the interface with the faculty seems very poor. Some professors have been told to go for training sessions immediately and there isn't evidence of a process of thinking through how to introduce this to the broader university community.

Chairman Brown stated that if it would be helpful, he could arrange to have such a person meet with the senate to talk about Renovare.

He closed the meeting by thanking all senators for their contributions this academic year.

## Minutes Faculty Senate

February 1, 2006

1) The meeting was called to order at 7:05 pm; Seth Brown chaired.

The senators introduced themselves.

Mary Prorok gave the opening prayer.

2) The minutes from the December 6<sup>th</sup>, 2005 meeting were approved without amendments.

3) **Chair's Report:** The chair acknowledged Fr. Jenkins recent address to the faculty regarding academic freedom and applauded Fr. Jenkins for raising the issue and allowing for open discussion of the matter. The chair indicated he had met with Fr. Jenkins and that Fr. Jenkins assured him of his receptiveness to respectful discourse on the subject. The chair reminded the senate of the March 7<sup>th</sup>, 2006 Faculty Senate meeting with Fr. Jenkins and that it represented a rare opportunity for actual dialogue with Fr. Jenkins. The chair stressed that the importance of the issue of academic freedom requires a response by the Faculty Senate. The chair also noted that, as per the *Academic Articles*, the Faculty Senate is empowered to convene forums and charged the Student Affairs and Administrative Affairs committees with organizing such a forum regarding academic freedom. The chair emphasized that a response to Fr. Jenkins must be finalized by the April '06 Faculty Senate meeting and suggested that a draft of such a response be ready available at the March 7<sup>th</sup> meeting to allow adequate time to reflect on the content and solicit comments. He proposed that the Student Affairs and Administrative Affairs committees be charged with drafting the document. The chair reminded the senators of upcoming Faculty Senate elections and encouraged members to run for office.

4) Philippe Collon introduced Rhea Boyd, the Student Senate Affairs Chair, who asked the Faculty Senate to consider two Student Senate Resolutions on cultural competency: 1) that the Faculty Senate endorse the Student Senate resolution that an ad-hoc committee be created by the Provost to investigate how best to incorporate cultural competencies within the undergraduate

curricula and, 2) that the Faculty Senate endorse, in principle, the Student Senate resolution that Notre Dame students be exposed to activities that enhance their cultural competency. She noted that the initiative to investigate integration of cultural competency into the curriculum can be linked to Fr. Jenkins' desire to improve campus diversity [as stated in his inaugural address], insofar as both can enhance the academic culture. She introduced Mark Gunty, of the Office of Institutional Research, who discussed information extracted from exit surveys of graduating seniors pertaining to their interaction with those of different cultures or ethnicities. Overall, graduating Notre Dame seniors are much less satisfied with the diversity of their college experience than are seniors from peer institutions. Additionally, those Notre Dame seniors who have pursued an expansion of their cultural diversity report being dissatisfied with cultural diversity as it exists on campus—more so than students who have not participated in such efforts. These, and other data from the survey, reinforce the notion that Notre Dame students have less exposure to other races/cultures than students at peer institutions. A discussion ensued concerning the presented resolutions. A senator raised the possibility that perhaps the university is actually doing a commendable job in improving racial/cultural awareness given the homogeneous student population. Other concerns voiced by senators included: the perception that the current initiative represents the imposition of an agenda by one set of students upon another; the possible alteration of general education requirements; and the fact that existing courses might adequately fulfill the cultural competency initiative. It was suggested by several senators that cultural competency need not be addressed through the core curriculum but could also involve increased study abroad, admitting more foreign students and/or incorporating a foreign language requirement. Both resolutions were passed after rewording.

5) In lieu of breaking to individual committees, the chair directed the remainder of the meeting towards the issue of academic freedom. The chair emphasized two goals to be accomplished in a timely manner: convening a forum to discuss the matter with other faculty and composing a draft

document that would summarize the Faculty Senate's position on the issue. The chair suggested that perhaps the draft document not stem from the Student Affairs and Administrative Affairs committee, but from a smaller *ad hoc* committee in order to hasten the process (with the intent of having a document that could be examined at the March senate meeting). While one senator questioned the need to formulate a representative versus individual response, the suggestion was forwarded that the Faculty Senate could issue a majority and minority report, or that Fr. Jenkins could be asked to defer his decision on the matter. An *ad hoc* committee was assembled to call a forum.

6) Meeting was adjourned at 9:40 pm.

## Faculty Senate Meeting

March 7, 2006

7 pm

Seth Brown chaired.

The people present introduced themselves.

The meeting opened with a prayer.

Minutes from the meeting of February 1, 2006, were approved with the amendment that Mark Dehmlow had in fact attended.

Minutes from the meeting of February 15, 2006, were approved with the amendment that Mark Dehmlow, Gail Bederman, and third party, Isabel/Elizabeth?\* had attended.

**Chair's Report:** The chair reminded the Faculty Senate of the upcoming March 8 forum with outside speakers on academic freedom.

He announced upcoming elections for Faculty Senate officers. A nominating committee has been formed, and people interested in serving as officers should identify themselves to the committee.

He announced the two topics to be discussed at the meeting: academic freedom and the reports from the university committees formed in response to student interest in student-initiated course evaluations and the perceived need for fuller and better information for use in evaluating teachers for personnel decisions.

He then welcomed Father Jenkins, with thanks for raising the issue of academic freedom for public discussion, which he characterized as a wonderful opportunity to discuss who we are and what we want to be, which has generated the most discussion among students and faculty he has seen since coming here, and which has the potential to embody Notre Dame at its best. He also thanked Father Jenkins for welcoming e-mails and other responses from the Notre Dame community and attending so many events on the issue.

**Discussion of Academic Freedom with Father Jenkins:** Father Jenkins began with a prepared statement in response to the Faculty Senate draft statement on academic freedom (hereafter "draft"). He agreed with the general spirit of the draft but voiced reservations on some points that he thought needed verbal clarification or specification of the issues at stake and/or appropriate responses to particular cases. Although he did not find the draft to pose the issues in black-and-white terms, he thought parts of it might be misconstruable, and he wanted to avoid the problem of unhelpfully framing the different viewpoints as "pro-censorship" or "anti-Catholic character."

He then focused on the two events of recent controversy. He considered the name change of the event formerly known as the "Queer Film Festival" to be a model of collegial cooperation: a legitimate concern raised, discussed, and resolved not by silencing but by reaching a more transparent title. He characterized the undergraduate production of the "Vagina Monologues" as *both* taking up issues of importance to women *and* offending many women and men who regard it as an affront to Catholicism. In light of the offense it gives and the five years of ongoing performance, Father Jenkins questioned the value of its continuing presentation on campus, while acknowledging that it was not an easy question to resolve. The big question was not what Notre Dame will or will not silence and censor, but how to balance different voices in accordance with the mission statement's commitment to "free inquiry and open discussion."

He then took up some turns of phrase in the draft and noted that respect for the mission of Notre Dame entailed providing

a forum in which broad and differing views are presented in dialogue with Catholic tradition.

The floor was then opened for questions and comments for Father Jenkins. Among them:

Senator: There has been much sentiment for a general strategy not of silencing but of bringing in more speech. Does Father Jenkins agree w/ this as general direction?

Father Jenkins: Quantity of speech is not the issue, but balance and fostering genuine engagement.

Senator: New students are coming through all the time, confronting perennial problems, and students themselves are expressing the need for the "Vagina Monologues." Are there real alternatives to it that *won't* provoke people who oppose any discussion of sex and gender at a Catholic university?

Father Jenkins: We have to find a way to talk about these issues that can include all viewpoints and won't be so divisive.

Senator: It is troubling that the only issues bring treated as problematic pertain to sexuality, especially women's sexuality, as if Catholic character only has to do with sex (as opposed, say, to the "living wage" issue). There is clearly a great need being expressed here, and Notre Dame needs to look hard at how it's supporting students dealing with sexual abuse and other troubles, and not to squash ways the ways students have found of bringing up the issue. Note the message sent by the "Vagina Monologues" controversy and the Keenan Revue happening at the same time.

Senator: We can't start with saying that something that isn't ideal should be stopped without there being really viable alternatives presented. It can't be "Vagina Monologues" or nothing at all.

Senator: It seems very difficult to determine at what point the offensiveness of a given event becomes so great that the occasion for offense should be prevented.

Father Jenkins: Offensiveness inhibits conversation. The question is how to get a balanced discussion to engage views in a robust way.

Senator: All sides have responsibilities to come forward with ideas about better approaches that are still artistically vibrant.

Senator: Language in the draft appears to suggest that if a department doesn't provide funding and facilities for absolutely anything, it could be taken to be "silencing" speech.

Discussion followed in which the issue of "room availability as a tool of censorship" was raised, and it was agreed that the language of the draft could be clarified.

Senator: Students are exactly in the process of learning how to speak in their own voice from their own point of view. Sometimes people need to say "dumb" things in order to say smarter things, and the benefit of "Vagina Monologues" to the constantly changing performers should not be forgotten.

Senator: What about non-Catholic faculty self-censoring?

Senator: What about Catholic faculty self-censoring?

Senator: Personal experience growing up in the third-world, with free speech forbidden, suggests that the young who are discouraged from learning about and discussing sexuality are disempowered. Articulateneess about an issue is deeply connected to confidence about it and ability to deal with it.

Senator: Is the basic issue limits on artistic performance as opposed to pure speech? Isn't Notre Dame within its rights to set some limits about performance as a style of behavior associated with speech?

Discussion followed in which different senators took issue with the distinction between performance and speech, noted the dangers of reducing art to "entertainment" rather than something morally and intellectually challenging, took up the question of legal limits on public performance, argued that departments were best equipped to draw the line of appropriateness according to current standards of the profession, and suggested that there might be occasions in which it was appropriate for the administration. (from the president to individual instructors) to intervene to restructure activities along more productive lines, difficult as it was to put together a mechanism for doing so.

Senator: What is the real harm of putting on a performance that some people feel uncomfortable with? No one is required to attend. Is the Catholic character really in

jeopardy, or is all this just a PR issue? If so, how much weight should it really carry?

Senator: It's important to ascertain whether all this is about a big issue of general principles or a narrow short-term hot-button issue, the "Vagina Monologues" in particular. The next time around it would be good to have general principles to put into application, but we should not do something now for a short-term fix that we end up regretting for its long-term consequences.

**Presentation by Dennis Jacobs and Vijay Ramanan** : Dennis Jacobs and Vijay Ramanan brought documents from the Student Senate and Academic Council and gave a presentation on proposed additional course evaluation materials intended to help in two ways:

- 1) by getting better and more extensive information than TCEs to use in evaluating faculty for renewal or tenure.
- 2) by providing students with more and better information to use in choosing courses.

They said that students did not report wanting access to course syllabuses in their decision-making, and they presented a mockup of a "course information" form that included material from instructors about course structure and requirements, a small set of evaluative responses from former students, and information about enrollment. They characterized the student responses as ones for which "good" answers would be similar for students and professors. These would ideally be available on InsideNotre Dame with access limited to students and the instructor of the course, and they would not be used in personnel decisions.

Senators responded with a number of suggestions, questions, and comments, among them

- the argument that even relatively innocuous questions will lead to grade inflation and effectively constitute publishing TCEs, because students understand they can take revenge by giving negatives on anything.
- the question as to whether individual faculty or departments or faculty could opt out of these forms, and the idea that a mixed system might enable testing as to whether the new forms were in fact helpful to anyone.

- questions as to the logistics and possible effects of administering these new questions alongside TCEs.
- the question of the usefulness and appropriateness of such forms for required courses.

Meeting adjourned at 9:15.

Respectfully submitted,

Julia Marvin  
Co-Secretary

## Minutes Faculty Senate

March 22, 2006

1) The meeting was called to order at 7:05 pm; Seth Brown chaired.

The senators introduced themselves.

Julia Marvin gave the opening prayer.

2) The minutes from the March 7th, 2005 meeting were approved without amendments.

3) Chair's report: The chair announced that the evening's meeting was the last for the sitting senate, thanked those senators whose terms expired, and mentioned that new officers would be elected at the May 9<sup>th</sup>, 2006 Faculty Senate. The floor was given to Salma Saddawi, who announced openings for treasurer, secretary (two co-secretaries), chair, and vice-chair. The chair then introduced the proposed Faculty Senate statement of principles of academic freedom and summarized salient aspects of the document, viz.; while reasonable limits must accompany the exercise of academic freedom, these must stop short of silencing responsible discourse and expression—this view is essential to sustaining the University's mission, as enunciated in the university's mission statement. The chair then opened the floor for debate on the proposed document.

4) Debate on statement of principles of academic freedom: Numerous friendly amendments to the document were proposed and accepted, including one tendered by Julia Marvin that clarified statements (third paragraph) concerning tolerance in the context of artistic expression. Others suggested a tempering of the

language to project a less dramatic tone, e.g., the "chilling effect" of suppression (third paragraph). After some discussion, it was agreed that the original phrases would remain in the proposal. Barry Keating indicated that the original language of the document would seem to give the President no good reason to disallow any event or activity. A substantive amendment was forwarded by John Robinson in an attempt to address this concern. He suggested the inclusion of the following sentences at the end of the seventh paragraph: "This is not to say that extreme scenarios cannot be imagined that might appear to call for stronger presidential action than that sketched here. Our point is that such stronger action would, in every case, put at risk the academic freedom upon which the University insists in its mission statement." This substantive amendment was approved by the senate, with Gail Bederman in opposition. Following general agreement on the language and content of the revised document, the chair called to question acceptance of the document. Acceptance was affirmed, with one dissenting vote.

5) Given the late hour, the chair elected to defer the remaining items on the agenda (break to committees, committee reports, and old and new business).

Meeting adjourned at 9:30 pm

Respectfully submitted,

Mary Prorok

## Minutes Faculty Senate Meeting

May 9, 2006

The meeting began at 7 pm with a welcome from Mark Dehmlow (chairing), introductions from the senators, and an opening prayer from Mark Dehmlow.

The minutes from the March 22, 2006 meeting were approved without amendment.

### Elections of Senate Officers.

Mark Dehmlow thanked the members of the nominating committee.

1. Chair: Seth Brown was elected by acclamation and then chaired the rest of the meeting.

2. Vice-Chair: John Stamper was elected by acclamation.

3. Treasurer: Dave Klein was elected by acclamation.

4. Co-Secretaries: Julia Marvin and Mary Prorok were elected by acclamation.

**Treasurer's Report** from Dave Klein. He explained that the modest Faculty Senate budget (which comes from the Provost's office) covers food, supplies, printing, etc. The Faculty Senate usually stays within 10% one way or the other of budget. \$1424 was this year's budget, this year it will finish 10% over budget, and there will be \$50 more budgeted for next year. The Faculty Senate Faculty Forum was an unusual expense in the 2005-6 school year. A senator suggested that the Faculty Senate might be in a position to schedule more events along those lines in future years.

The Faculty Senate then recessed to committees to set the agenda for the coming year.

### Election of Committee Chairs and Committee Reports

1. **Academic Affairs.** Colin Jessup was elected chair. Issues of ongoing concern: 1) Can and how can Faculty Senate become a more effective body in the university? 2) Confusion over standards and practices for renewal/promotion of SPF faculty. 3) TCE reform.

2. **Administrative Affairs.** Charles Barber was elected chair. Issue of ongoing concern: Ongoing reorganization of graduate school.

3. **Benefits.** Nasir Ghiaseddin was elected chair. Issues of ongoing concern: 1) Health insurance changes. 2) Faculty salaries, with raises insufficient to cover inflation, esp. given rise in premiums. 3) The living-wage initiative for ND workers. 4) Environmental issues on campus, e.g., emissions from campus smokestacks, the health of campus lakes (full of copper sulfate in violation of EPA standards), and indoor air quality. 5) Safe walking and biking routes to campus, which should be taken into account in new road-building. 6) The question of possible taxation of tuition benefits and what can be done to lobby against it.



4. **Student Affairs.** Kelly Jordan was elected chair. Issues of ongoing concern: 1) Student academic freedom outside the classroom, and the *ad hoc* nature of current procedures. 2) Fairness of current alcohol and other disciplinary policies and their unequal enforcement in different dorms. 3) Lack of availability of student leadership training on campus and ways of addressing it. 4) Student access to DPAC for giving performances. 5) Possible ND conference on eating disorders next winter and ways in which faculty can support it and increased awareness in general of the problem.

#### Election of delegates to

- 1) Traffic Appeals Committee. Kevin Misiewicz and Philippe Collon were elected.
- 2) Campus Life Committee. Gail Bederman and Linda Sharp were elected
- 3) ECDC Review Committee. Colin Jessop was elected.
- 4) Student Senate. Philippe Collon and Linda Sharp.

**Old Business.** The chair reported on attending the recent meeting of the Board of Trustees, in which he brought up issues of academic freedom and substandard investment in faculty resources and salary.

**New Business.** The Faculty Senate will invite library staff to address the Faculty Senate in the fall. A senator suggested resuscitation of the idea of writing memorials to deceased faculty to be read at Faculty Senate meetings and entered into the minutes for publication in ND Reports: the idea was warmly received, and the Executive Committee will look into ways of implementing it. A senator wondered if information about the disposition of the Fiesta Bowl money was or would be available—could the Faculty Senate look into this?

The meeting was adjourned at 9 pm.

Respectfully submitted,

Julia Marvin  
Co-Secretary

## Minutes Faculty Senate

September 6, 2006

The meeting opened at 7 pm with introductions of all senators present.

An opening prayer was offered.

I. Minutes from the May 9 meeting were approved.

II. **Chair's report.** Two goals for tonight's meeting:

1. Refine agenda for the year, select issues on which to focus, and make plans, mainly in committee meetings.
2. Discuss the library. Seth Brown has served on the longstanding library taskforce: he noted that different faculty use the library in very different ways, but it is central to all of us in scholarship and teaching. He thanked Jennifer Younger and John Weber for coming to speak with the Faculty Senate and Chris Maziar for providing a draft of the taskforce report on the ND libraries.

#### III. Presentation by John Weber, Chair of the University Libraries Committee.

Information technology has been changing very fast: technology and cost are the "primary drivers" of the library "macro environment."

Digitization of library materials is important because of increasing dependence on fast desktop access to journals and other materials (e.g., books and government records), among both faculty and students.

Traditional measures of assessing collections (e.g., size of physical collection) no longer apply, though print collections are still regarded as critical. (How long will it be until non-copyright, public domain, humanities collections are available?) Instead, speed and comprehensiveness of access are key.

A challenge: "deteriorating information literacy" among students whose first approach to research is to use Google.

Costs, especially of e-journal access, are an ongoing issue—subscription "bundles" are very onerous, with prices much outpacing the consumer price index. ND and other research libraries can't afford everything.

ND has opted out of one bundle at a savings of \$180,000, and chosen individual subscriptions instead. Cost constraints come from both budgetary pressures and rising prices.

Is the role of the research library changing? Will brick and mortar matter less, and consultative functions matter more, with specialized staff facilitating access to reliable materials and training users in information literacy?

University Committee on Libraries is a link between the library and different university committees. Faculty outreach is of great interest.

About the taskforce report: the general assessment is that the system is doing well in setting goals, addressing challenges, and capitalizing on available opportunities. Weber went on to list a number of goals and concerns that the taskforce has identified.

#### IV. Presentation by Jennifer Younger, Director of University Libraries

Younger finds the work of the taskforce to show that it is important to proceed by discipline, since needs differ so greatly. In general, science places a high value on desktop access, humanities on browseable collections.

Fiesta Bowl money is a help, and a reminder that many of the library's problems are ones solvable by money.

One million dollars to history collection: a core discipline with holes in the collection—this is a big opportunity to solve an existing problem.

\$200,000 for new department of Africana Studies. (Asian Studies also has need but will have to wait for another Fiesta Bowl. Spreading the funds too thin would not be a good idea.)

\$150,000 to IEEE digital engineering library.

\$150,000 for Web of Knowledge/ Science citation database backfiles to 1975.

Consortia: collaboration has become important for libraries. ND belongs to Northeast Research Libraries consortium as

a buying club for licensing electronic materials, but as a loose group it doesn't have the uniform approach, and hence clout, of something like the UC system. It has saved ND a lot of money nonetheless.

ND is also a member of the Academic Libraries of Indiana organization, which "leverages resources to make resource-sharing easier." Links with IU and Purdue have a lot of potential; efforts are in early stages. ND is contributing funding for 5-day delivery service for small libraries of which we make a lot of use, e.g., Bethel College and St. Mary's collections in areas like education and nursing. Cooperation does entail cost and some loss of autonomy—the task is to ensure that the benefits outweigh the costs.

Other ongoing issues: author rights and copyright, especially in terms of classroom use; support for expanded public access to federally funded research (possible early expiration of copyright for such research, though legislation is unlikely to pass).

Costs are still rising at a staggering rate, and choices must be made.

Questions:

Q: How is ND doing in the rankings of research libraries?

A: Some of the measures are outmoded, but still useful. The Association of Research Libraries is in the process of revamping the measures.

Q: Has there been any initiative to compare ND area collections against those of other institutions specializing in those areas?

A: Yes, ND is benchmarking by subject area, using different appropriate peer institutions, both to refine the sense of the collections and establish goals for them.

Q: Is there a mechanism in place for considering what's going to be needed 75 years from now? Obsolescence of technology is a big concern.

A: That's also being handled at a disciplinary level. The main focus is on current research needs. Retrospective and comprehensive collecting will proceed by discipline. The library is thinking proactively about technology and archiving of material.

Q: What motivated the decision to allow food and drink in the stacks? How has it worked out, and what are the current hopes

and concerns about the use of the library building itself?

A: There are few people willing to use the library without something to drink at least—it's a compromise between the needs of the users and preservation of the collections. We are in competition for students' time and attention. Enforcements would also be a big headache.

Q: What is usage of reference desk like these days?

A: The number of questions asked is declining, but time spent on them is greater because they are more complex.

Seth Brown concluded the session with thanks and a request to the UCL and libraries in general to consider the Faculty Senate a resource to draw on.

The Senate then broke for committee meetings at 8:20 pm. The meeting resumed at 9 pm.

#### V. Benefits Committee report (Nasir Ghiaseddin, Chair)

Major issues for the year: benefits changes and faculty salaries.

The committee will meet with Tom Burish and raise issues about lagging salaries relative to peer institutions.

Environmental issues were raised at the May meeting—the committee will issue an invitation for discussion of air and water quality at ND, possibly in the second semester.

Living wage initiative: the University seems to be responding; at this point Benefits Committee is not planning on pursuing it.

Possibility of taxation of tuition benefits: no longer an active issue in Congress, so nothing to be done at the moment.

The committee and chair met with Human Resources over the summer to discuss planned benefits changes. Two possible approaches: a three-tier system of single, two-person, and family rates; or premiums scaled by salary (30K or less, 30-60K, and 60K and more). There are about 4,000 employees, about 25% of them faculty. The committee takes a dim view of the salary-based approach, which would in its view disproportionately affect faculty. It has suggested making the changes incrementally over five years instead of all at once, with

very substantial sudden increases—this may be a possibility.

Comment: At the May meeting, there was sentiment that it wasn't fair for low-paid people to pay the same as well-paid people here, so opposition to tiered premiums shouldn't be taken for granted. There was also concern about penalizing those who have large families.

A: But faculty shouldn't be penalized in order to compensate others—there are other ways to help low-income workers than to have the faculty essentially subsidize them.

The chair noted that the subject was a good one for future discussion by the Faculty Senate as a whole, and he requested that the committee draft a resolution for the Faculty Senate to consider.

Some more discussion followed, in which issues of fairness and cost were raised, as well as the possible ramifications of changing the basis for differing premiums.

#### VI. Student Affairs Committee Report (Kelly Jordan, Chair)

Issues for the year:

New Honor Code training system: committee would like to look at it, especially from the student perspective.

Security on campus, especially within dorms and on big event weekends.

Support for upcoming eating disorders conference.

#### VII. Academic Affairs (Colin Jessop, Chair)

Issues for the year:

Consistency of standards for renewal and promotion of SPFs: the committee will be seeking involvement in the process of establishing these standards.

Alerting faculty at large to possible effectiveness of Faculty Senate, especially as a direct line to Academic Council.

Number of Catholic faculty and ND efforts to retain and hire them.

#### VIII. Administrative Affairs (Charles Barber, Chair)

Issues for the year:

Reorganization of the Graduate School—committee may invite someone for discussion with the Faculty Senate as a whole, since it is an issue of broad interest.

Question of the proper application of *Academic Articles* in hiring, e.g., in the case of Tom Burish.

#### IX. Old business

Memorial resolutions for deceased faculty: responsibility for these will be given to the senator for the relevant department, with notification by Rose Mitchell.

#### X. New business

Kelly Jordan is willing to substitute this semester on the Campus Life Council for Gail Bederman, who has a teaching schedule conflict: he was elected by acclamation.

Salama Saddawi noted the problem of dealing with difficulties such as technology breakdowns, resulting in, e.g., class cancellations, on staff holidays. The question of why classes are held on federal holidays was also raised and referred to the Administrative Affairs Committee.

The meeting adjourned at 9:40 pm.

Respectfully submitted,

Julia Marvin  
Co-Secretary

Present

1. Al Miller
2. Anthony Trozzolo
3. Barry Keating
4. Carlos Jerez-Farran
5. Charles Barber
6. Chris Beesley
7. Claudia Polini
8. Colin Jessop
9. David Klein
10. David Ladoucer
11. Gail Bederman
12. James Rakowski
13. John Adams
14. John Gaski
15. John Robinson
16. Judy Fox
17. Julia Marvin
18. Kelly Jordan
19. Kevin Misiewicz
20. Lei Li
21. Linda Sharp
22. Mark Dehmlow
23. Mary Prorok
24. Michael Brownstein
25. Mike Etzel
26. Nasir Ghiaseddin
27. Noreen Deane-Moran
28. Orlando Menes

29. Philippe Collon
30. Robert Howland
31. Robert Norton
32. Salama Saddawi
33. Seth Brown
34. Susan Youens
35. Tim Scholenharl
36. Tom Gresik
37. Vaughn McKim

Attendance

September 9, 2006

Excused

38. Christine Becker
39. Collin Meissner
40. Don Sporleder
41. John Stamper

Absent

42. Cynthia Mahmood
43. Jeff Talley
44. Peter McQuillin
45. Richard Pierce
46. Timothy Ovaert

Departments without Representatives

47. Political Science
48. Psychology
49. Theology
50. Computer Science and Engineering
51. Electrical Engr

Professor Giamo drew attention to Monk's vision of the university leading the transition to a national research university. Monk represented the university well in the media over the Tyrone Willingham firing. It was a good example of his honest assessment and his moral stance on that issue.

Chairman Brown stated that he could mention specifically praiseworthy accomplishments in his cover letter.

The text of the letter was amended.

Dear Monk,

The Faculty Senate, as a representative body of all the faculty at Notre Dame, would like to thank you for your dedicated service to the University over the past eighteen years in your position as President. We deeply appreciate the energy and commitment that you have contributed to enhance our collective work and to further the mission of the University. We are particularly grateful to you for the moral leadership that you have displayed with regard to many difficult issues that have confronted both the University and the South Bend community.

A motion to approve it passed unanimously.

Friendly amendments also modified the wording of the letter to Provost Hatch.

The motion to approve the revised resolution carried unanimously.

Dear Nathan,

The Faculty Senate, as a representative body of all the faculty at Notre Dame, would like to thank you for your dedicated service to the University over the past nine years in your position as Provost. We deeply appreciate your commitment to furthering the University's mission as an institution that values both research and teaching. We wish you all the best as you take on the position as president of Wake Forest University.

#### Committee Reports

##### Student Affairs Committee

Professor Brandenberger reported that they have been dealing with the honor code changes that have been proposed to the executive committee of the academic council. It is moving on without many changes. They are also addressing the curriculum rationale that departments did especially in relation to the mandates from each department for why a course might count for university requirements. The committee to reformulate the tce's has been constituted with 3 members of the faculty senate, 3 other faculty members, and 7 students. Today's meeting was a brainstorming session about what is feasible and how we can achieve it. Forming the committee is a significant accomplishment after 2 years of meetings.

Professor Williams also reported that a separate new committee will examine course information to better inform students when they make their course selections has been constituted.

##### Benefits Committee

Professor Ghiaseddin announced that the committee is still working on the issue of the contribution to the retirement plan of summer salary. They are waiting for information from payroll to find out how much it will cost so we can negotiate with the university to find out what can be done. We are cautiously optimistic about it.

Also this is the first year that the flexible spending accounts for both health care and child care are being handled by North American Administrators. Professor Ghiaseddin has heard that faculty and staff have had problems dealing with them, especially in rejecting claims while asserting that the IRS will not allow them. He asked anyone who has a specific issue about being treated unfairly by North American to e-mail him with a report.

### Administrative Affairs

Professor Ramsey stated that the committee spent time in their meeting brainstorming about agenda items for the coming academic year. They include how to get faculty more involved in university affairs, for example, there has been no faculty involvement in budget. They talked about inviting John Affleck-Graves to meet with their subcommittee. They also intend to look more into some quirky by-laws, such as where academic council has more faculty involvement now because senate members are involved but they don't have status. They also discussed dealing with odd grievance issues, that aren't obviously covered under the auspices of any one committee.

### Academic Affairs

Professor Robinson reported that the faculty senate and the academic council are on the same footing with regard to an amendment to article 4 of the *Academic Articles* and that the change will be approved at the next meeting of the council. It will add to the council's functions that it must approve major modification, establishment, and termination of degree-granting programs in an academic unit, so that whatever happened to the music department will soon require academic council approval before it goes through.

He also announced the creation of the committee, related to that previously mentioned by Professor Williams, that includes Dennis Jacobs, 3 members from this body, academic council, and pac. It will address how teaching should be assessed for promotion and tenure and it will be important that different styles of teaching in the university be recognized. It is one member short of the required number. The work of that committee will not start until summer or next academic year.

Professor Williams asked what constitutes an academic unit in light of the Dean of Arts and Letters' decision to abolish the laboratory for social research.

Professor Robinson responded that Associate Provost Maziar is hoping to impose clarity so that the articles are rationalized. He also noted that the matter came before the executive committee of the academic council. They determined that the matter did not involve the council and is a matter for the college of liberal arts to resolve. If you think that is not the case, when the new senate is established you can take up that question and questions of that sort for clarification in the articles for some kind of procedure.

Chairman Brown commented that in our system of national government the judiciary interprets the laws but we don't have such a system at Notre Dame. There is no ultimate reader of the *Academic Articles*. This modification is in any case less ambiguous because it is a degree program.

### Old Business

Prof Trozzolo inquired about the status of our request to issue minutes in Notre Dame Reports, since they are yet to appear.

Chairman Brown responded that he will check with Ms. Rose Mitchell to see if she has submitted the minutes to the Notre Dame Report and will look in to it.

Professor Deane-Moran asked if back minutes will also be published.

Chairman Brown replied that he will try to get the past 6 months submitted.

### New Business

Several members expressed concern about the new Renovare system and the common experience of phoning the registrar's office and hearing a message that no one is available to answer the phone because they are busy with Renovare. Professor Constable summarized the sentiment that the interface with the faculty seems very poor. Some professors have been told to go for training sessions immediately and there isn't evidence of a process of thinking through how to introduce this to the broader university community.

Chairman Brown stated that if it would be helpful, he could arrange to have such a

person meet with the senate to talk about Renovare.

He closed the meeting by thanking all senators for their contributions this academic year.

Professor Giamo drew attention to Monk's vision of the university leading the transition to a national research university. Monk represented the university well in the media over the Tyrone Willingham firing. It was a good example of his honest assessment and his moral stance on that issue.

Chairman Brown stated that he could mention specifically praiseworthy accomplishments in his cover letter.

The text of the letter was amended.

Dear Monk,

The Faculty Senate, as a representative body of all the faculty at Notre Dame, would like to thank you for your dedicated service to the University over the past eighteen years in your position as President. We deeply appreciate the energy and commitment that you have contributed to enhance our collective work and to further the mission of the University. We are particularly grateful to you for the moral leadership that you have displayed with regard to many difficult issues that have confronted both the University and the South Bend community.

A motion to approve it passed unanimously.

Friendly amendments also modified the wording of the letter to Provost Hatch.

The motion to approve the revised resolution carried unanimously.

Dear Nathan,

The Faculty Senate, as a representative body of all the faculty at Notre Dame, would like to thank you for your dedicated service to the University over the past nine years in your position as Provost. We deeply appreciate your commitment to furthering the University's mission as an institution that values both research and teaching. We wish you all the best as you take on the position as president of Wake Forest University.

## Committee Reports

### Student Affairs Committee

Professor Brandenberger reported that they have been dealing with the honor code changes that have been proposed to the executive committee of the academic council. It is moving on without many changes. They are also addressing the curriculum rationale that departments did especially in relation to the mandates from each department for why a course might count for university requirements. The committee to reformulate the tce's has been constituted with 3 members of the faculty senate, 3 other faculty members, and 7 students. Today's meeting was a brainstorming session about what is feasible and how we can achieve it. Forming the committee is a significant accomplishment after 2 years of meetings.

Professor Williams also reported that a separate new committee will examine course information to better inform students when they make their course selections has been constituted.

### Benefits Committee

Professor Ghiaseddin announced that the committee is still working on the issue of the contribution to the retirement plan of summer salary. They are waiting for information from payroll to find out how much it will cost so we can negotiate with the university to find out what can be done. We are cautiously optimistic about it.

Also this is the first year that the flexible spending accounts for both health care and child care are being handled by North American Administrators. Professor Ghiaseddin has heard that faculty and staff have had problems dealing with them, especially in rejecting claims while asserting that the IRS will not allow them. He asked anyone who has a specific issue about being treated unfairly by North American to e-mail him with a report.

### Administrative Affairs

Professor Ramsey stated that the committee spent time in their meeting brainstorming about agenda items for the coming academic year. They include how to get faculty more involved in university affairs, for example, there has been no faculty involvement in budget. They talked about inviting John Affleck-Graves to meet with

their subcommittee. They also intend to look more into some quirky by-laws, such as where academic council has more faculty involvement now because senate members are involved but they don't have status. They also discussed dealing with odd grievance issues, that aren't obviously covered under the auspices of any one committee.

### Academic Affairs

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Chairman Brown stated that if it would be helpful, he could arrange to have such a person meet with the senate to talk about Renovare.

He closed the meeting by thanking all senators for their contributions this academic year.

## Academic Council University of Notre Dame

Meeting of September 28, 2006

**Members Present:** Rev. John I. Jenkins, CSC, Thomas G. Burish, Dennis Jacobs, Jean Ann Linney, Christine Maziar, Don Pope-Davis, Panos Antsaklis, Seth Brown, Steven Buechler, Brian Claassen, Austin Collins, James Collins, Tom Cosimano, Mary Rose D'Angelo, Kenneth DeBoer, Neil Delaney, Stephen Fallon, Umesh Garg, Nicole Garnett, Nasir Ghiaseddin,

Graham Hammill, Chris Harris, Michael Jenuwine, Colin Jessop, Tara Johnson, Kelly Jordan, Tom Lamontagne, Joseph Marino, Jim Merz, Stephen Molvarec, Robert Nelson, Patricia O'Hara, Hugh Page, Ram Ramanan, Mark Roche, Valerie Sayers, Richard Taylor, Jennifer Warlick, Bill Westfall, Carolyn Woo, Jennifer Younger

**Members Absent:** Patrick Murren

**Members Excused:** John Affleck-Graves, Rev. Mark Poorman, CSC, Charles Barber, Michael Lykoudis, James McAdams, Hugh Page, Maura Ryan, Susan G. Sheridan, Scott Van Jacob

**Observers Present:** Mary Hendriksen, Capt. Mike Neller, Brandon Roach, Daniel Saracino, Dennis Brown, John W. Stamper (for M. Lykoudis), Don Wycliff

**Observers Absent:** Harold Pace

**Observers Excused:** Kevin Barry

The Reverend John Jenkins, CSC opened the meeting at 4:30 p.m.

Lieutenant Colonel Kelly Jordan offered a prayer.

**1. Minutes of the meeting of August 24, 2006:** The minutes of the meeting of August 24, 2006, were approved without change.

**2. Changes in the *Academic Articles* related to the Vice President of Research:** [In November 2005, Provost Thomas Burish charged the Ad Hoc Committee on Graduate Education and Research with the task of recommending how best to organize the offices that oversee graduate education and research at Notre Dame. One specific question for the committee was recommending whether the central administrative offices overseeing graduate studies and research should report to the same person, as is true under the University's current structure, or whether they should report to two separate individuals. The committee submitted its report in May 2006. See <http://provost.nd.edu/academic-resources-and-information/documents/ReporttoProvost-GraduateEducation2006merged.pdf>

In a letter to the faculty dated September 14, 2006, Provost Burish communicated his response to the task force report and his desire to split the position of Vice President for Graduate Studies and

Research into two positions. The changes proposed today to the *Academic Articles* rename one position "Vice President for Research" and modify the language that describes the duties of the position. As indicated in the September 14th letter, the title of the person responsible for Graduate Studies has not yet been determined. Hence, the proposed changes to the *Academic Articles* do not address graduate studies at this time.]

Provost Burish opened the discussion by explaining that after receiving the report of the *ad hoc* committee, he engaged in a fairly extensive vetting process with Notre Dame faculty and staff, a majority of whom supported the recommendation to split the position. Normally, when making a change such as this, he would begin with the Executive Committee and ask them to recommend consideration of the change to an Academic Council committee. That committee would study the matter, then announce its recommendation to the full Council, with a discussion and vote to follow. In this case, however, because the recommendation had already been vetted so thoroughly and was offered by a faculty committee—and because he would like to hire the new vice president this year—he asked the members of the Executive Committee to bring the proposed change directly to the Council as a whole. They agreed. Thus, only provisions dealing with the Vice President for Research are at issue today. At some later point, the Provost noted, it may be necessary to change the language again, depending on the title given to the head of Graduate Studies. He added that the Executive Committee reviewed the proposed changes and recommends approval.

Prof. DeBoer asked whether approval of this document would create a power vacuum at the Graduate School, in that it creates a vice president for research but seems to remove the vice president for graduate studies.

Provost Burish responded that he has no intention of removing Prof. Don Pope-Davis from his current position as head of graduate studies. There is simply a new definition of his position. There are many positions at the University not named specifically in the *Academic Articles*. The proposed change should have no impact on

Prof. Pope-Davis' activities.

Prof. Merz, a member of the *ad hoc* committee, commented that one of the goals of the committee was to make the position of vice president for research a significant figure on campus—indeed, a major member of the senior administrative team. In light of that goal, in reading the proposed change to Article I, Sec. 3 dealing with the order of officers who serve as acting president in the absence of the president, he wonders why the vice president for research should not immediately follow the provost and executive vice president in the list. In the proposed language, the vice president for research is given a position behind the associate provosts and vice president for student affairs.

Prof. Brown, also a member of the *ad hoc* committee, responded that—as is true with the order of succession in the constitution of the United States—the order of succession in the *Academic Articles* need not correlate with the order of importance in the academic hierarchy.

Provost Burish concurred, pointing out that the succession list is based primarily on which members of the administration are best informed at any one point in time to carry out the duties of the president.

There being no further discussion, Fr. Jenkins called for a vote on the changes to the *Academic Articles* required by the establishment of the position of Vice President for Research. They passed unanimously.

**3. Committee meetings:** There are three standing committees on the Academic Council: Undergraduate Studies, Faculty Affairs, and Graduate Council. In this "retreat" meeting of the Academic Council, members of each committee gathered to identify agendas of items for consideration during the coming academic year.

Fr. Jenkins adjourned the Council as a whole at 4:50 p.m. so that committee meetings could take place.

Respectfully submitted,

Jean Ann Linney  
Vice President and Associate Provost

# Research

The proposals for July research were inadvertently omitted from issue 1 and are included here.

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

| Investigator(s)                                      | Title   | Sponsor                                       | Dollars     | Months |
|--|---|---|-------------|--------|
| <b><u>Proposals for Research</u></b>                 |   |   |             |        |
| <b>Department or Office:</b>                         | Aerospace and Mechanical Engineering  |   |             |        |
| Atassi, Hafiz M.                                     | Effects of Turbulence Structure on Broadband Interaction Noise Generation   | National Aeronautics and Space Administration | \$266,926   | 36     |
| Corke, Thomas C.<br>Nelson, Robert C.                | Active Forebody Flow Control for Enhanced Lateral/Directional Maneuvering   | National Aeronautics and Space Administration | \$451,825   | 36     |
| Jumper, Eric J.<br>Cavalieri, David                  | Wind Tunnel Testing Model Hardware Support  | Department of the Air Force                   | \$17,812    | 8      |
| Liu, Katherine W.                                    | CAREER: Studying the Resolution and Accuracy of SThM using Nonofabricated Copper Structures   | National Science Foundation                   | \$497,633   | 60     |
| Morris, Scott C.                                     | Pseudo-Sound Measurement of Onstar Microphones  | Corporate Funding                             | \$24,013    | 5      |
| Morris, Scott C.<br>Corke, Thomas C.<br>Tomar, Vikas | Plasma Flow Control for Improved Aerothermal Dynamics in Syngas Turbines  | Department of Energy                          | \$557,084   | 36     |
| Morris, Scott C.<br>Corke, Thomas C.                 | GEA-ND Casing Treatment Program   | Corporate Funding                             | \$1,515,562 | 60     |
| Powers, Joseph M.<br>Paolucci, Samuel                | Advanced Multi-Scale Computational Methods for Hypersonic Propulsion  | National Aeronautics and Space Administration | \$361,154   | 36     |
| Renaud, John E.<br>Tomar, Vikas                      | Materials for Extreme Environments: A Variable Fidelity Model Management Framework for Material Design Optimization Based on Hierarchical Atomistic | Department of Energy                          | \$656,904   | 36     |
| Roeder, Ryan K.                                      | CAREER: Hierarchically Structured Hydroxyapatite Whisker Reinforced Polymer Scaffolds   | National Science Foundation                   | \$674,228   | 60     |
| Tomar, Vikas<br>Renaud, John E.                      | Multiscale Computational Design of High Performance Composites  | National Aeronautics and Space Administration | \$364,673   | 36     |
| Tomar, Vikas   | A Hierarchical MD-CFEM Framework for Thermo-mechanical Deformation Analyses of Multifunction Ceramic Nanocomposite                                  | National Aeronautics and Space Administration | \$302,931   | 36     |

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.

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

| Investigator(s)                        | Title   | Sponsor                       | Dollars   | Months |
|--|---|-------------------------------|-----------|--------|
| Wagner, Diane R.                       | CAREER: A Novel Approach to Creating Tissue Engineered Osteochondral Plugs                                  | National Science Foundation   | \$443,653 | 60     |
| <b>Department or Office:</b>           | Biological Sciences   |                               |           |        |
| Belovsky, Gary E.                      | Laboratory and In Situ Experiments on Brine Shrimp  | State of Utah                 | \$80,040  | 18     |
| Boyd, Sunny K.<br>Scheutz, Matthias J. | Computational Models for Neurochemical Control of Social Behavior   | National Science Foundation   | \$709,934 | 36     |
| Collins, Frank H.                      | VectorBase: A Bioinformatics Resource Center for Invertebrate Vectors of Human Pathogens                    | National Institutes of Health | \$0       |        |
| D'Souza-Schorey, Crislyn               | Molecular Mechanisms of Cell Invasion   | National Institutes of Health | \$362,500 | 12     |
| Feder, Jeffrey L.                      | Collaborative Research: Diapause Energetics in the Apple Maggot Rhagoletis Pomonella                        | National Science Foundation   | \$206,106 | 36     |
| Feder, Jeffrey L.                      | Collaborative Research: Parallel & Cascading Race Formation & Speciation Across Trophic Levels              | National Science Foundation   | \$457,211 | 36     |
| Ferdig, Michael T.                     | Determinants of Growth and Fitness in Drug Resistant Malaria Parasites                                      | National Institutes of Health | \$392,646 | 12     |
| Hinchcliffe, Edward H.                 | Mechanisms of Centrosome Reproduction in Animal Cells   | National Institutes of Health | \$264,240 | 12     |
| Hyde, David R.<br>Thummel, Ryan        | Molecular Analysis of Zebrafish Retinal Regeneration  | National Institutes of Health | \$48,796  | 12     |
| Johnson, Alan L.                       | Cellular Mechanisms Regulating Granulosa Cell Differential in Avian Follicles                               | National Science Foundation   | \$530,755 | 36     |
| Maaswinkel, Hans<br>Li, Lei            | Olfactory Modulation of Visually Guided Behaviors in Zebrafish  | National Science Foundation   | \$406,277 | 36     |
| Schorey, Jeffrey S.                    | Characterization Dectin-1 as a pattern recognition receptor required for an immune response to mycobacteria | Private Foundation            | \$500,000 | 60     |



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

| Investigator(s)                        | Title  | Sponsor                                 | Dollars   | Months |
|--|--|---|-----------|--------|
| Suckow, Mark A.                        | Development of Imaging Agents  | Private Funding                         | \$4,836   | 12     |
| Suckow, Mark A.                        | Innovative Cancer Vaccines   | Private Foundation                      | \$45,110  | 12     |
| Tank, Jennifer L.<br>Lamberti, Gary A. | Jumpstarting Ecosystem Function: Accelerating Carbon Storage in Restored Stream Ecosystems | National Science Foundation             | \$557,422 | 36     |
| Vaughan, Patricia S.                   | Neuronal Phosphorylation Regulates Cytoplasmic Dynein Targeting                            | Private Foundation                      | \$132,000 | 24     |
| Welsh, JoEllen J.<br>Rowling, Matthew  | Uptake of Vitamin A and Breast Cancer  | National Institutes of Health           | \$75,000  | 12     |
| <b>Department or Office:</b>           | Chemical and Biomolecular Engineering  |   |           |        |
| Bohn, Paul W.                          | Molecular Aspects of Transport in Thin Films of Controlled Architecture                    | Department of Energy                    | \$375,000 | 36     |
| McCready, Mark J.                      | Molecular Recognition and Chemical Sensing in Nanopores                                    | University of Illinois-Urbana-Champaign | \$120,000 | 12     |
| McGinn, Paul J.                        | Slow Release Catalysts for Diesel Soot Emissions   | Private Foundation                      | \$134,999 | 42     |
| <b>Department or Office:</b>           | Chemistry and Biochemistry   |   |           |        |
| Bartels, David M.                      | Radiolysis Studies of Supercritical Water  | Corporate Funding                       | \$50,000  | 2      |
| Corcelli, Steven A.                    | CAREER: Computational Studies of Molecular Recognition Probed by Optical Spectroscopy      | National Science Foundation             | \$572,216 | 60     |
| DuBois, Jennifer                       | Microbial Biosynthesis of Aerobactin: a Virulence Factor and Antimicrobial Target          | National Science Foundation             | \$813,168 | 60     |
| DuBois, Jennifer                       | Targeting Nosocomial Infections by Inhibiting Microbial Iron Uptake                        | Private Foundation                      | \$214,500 | 36     |
| DuBois, Jennifer                       | Targeting Nosocomial Infections by Inhibiting Microbial Uptake                             | Private Foundation                      | \$260,000 | 36     |
| Smith, Bradley D.                      | Macrocyclic Scavengers of Chloroalkanes  | Private Foundation                      | \$135,000 | 44     |

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

| Investigator(s)                    | Title   | Sponsor                                       | Dollars   | Months |
|------------------------------------|---|---|-----------|--------|
| <b>Department or Office:</b>       | Civil Engineering and Geological Sciences   |   |           |        |
| Fein, Jeremy B.<br>Burns, Peter C. | Thermodynamic Properties of Uranyl Minerals   | Argonne National Laboratory                   | \$49,000  | 7      |
| <b>Department or Office:</b>       | Computer Science & Engineering  |   |           |        |
| Hu, Xiaobo<br>Chen, Danny Z.       | Development of an FPGA based system for accelerating radiation dose calculation           | Corporate Funding                             | \$85,566  | 16     |
| Poellabauer, Christian             | Holistic Resource Management in Wireless Sensor Networks                                  | Department of the Air Force                   | \$381,739 | 36     |
| Thain, Douglas L.                  | CAREER: Data Intensive Grid Computing on Active Storage Clusters                          | National Science Foundation                   | \$628,322 | 60     |
| <b>Department or Office:</b>       | Electrical Engineering  |   |           |        |
| Fay, Patrick J.                    | Heterojunction Bipolar Transistor Power Amplifiers for Long-Range X-band Communications   | Corporate Funding                             | \$160,906 | 24     |
| Fay, Patrick J.                    | High Power Metamorphic HEMTs  | Corporate Funding                             | \$39,560  | 10     |
| Jena, Debdeep                      | CAREER: Dielectric Engineering of Quantum-Wire solids: Fundamentals to Applications       | National Science Foundation                   | \$579,996 | 60     |
| Xing, Huili                        | CAREER: Dielectrophoretic Sorting and Assembling of Nano-objects for Nanomanufacturing    | National Science Foundation                   | \$578,134 | 60     |
| <b>Department or Office:</b>       | Mathematics   |   |           |        |
| Wong, Pit-Mann<br>Liu, Xiaobo      | Travel Grant for the International Conference on "Finsler Extension of Relativity Theory" | National Science Foundation                   | \$25,000  | 12     |
| <b>Department or Office:</b>       | Philosophy  |   |           |        |
| Shrader-Frechette, Kristin         | Warming to Nuclear: Environmental Justice and Energy Technologies                         | National Science Foundation                   | \$173,070 | 30     |
| <b>Department or Office:</b>       | Physics   |   |           |        |
| Barabasi, Albert-Laszlo            | CVIT, Center for the Development of a Virtual Tumor                                       | Private Funding                               | \$22,802  | 12     |
| Howk, Jay C.<br>Lehner, Nicolas    | A Spitzer-MIPS Study of Extraplanar Dust in Spiral Galaxies                               | National Aeronautics and Space Administration | \$113,872 | 24     |

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

| Investigator(s)                                    | Title  | Sponsor                                     | Dollars   | Months |
|--|--|---|-----------|--------|
| LoSecco, John M.                                   | Search for the Neutrino Theta 13   | National Science Foundation                 | \$166,381 | 36     |
| <b>Department or Office:</b>                       | Political Science  |   |           |        |
| Campbell, David E.                                 | Investigating Religion's Role in American Politics   | National Science Foundation                 | \$508,165 | 60     |
| Javeline, Debra                                    | Political Responses to Violence: Citizen Participation after Beslan  | Private Foundation                          | \$40,000  | 12     |
| Javeline, Debra                                    | Citizen Participation in Russia: Lessons from Political Responses to the Beslan Tragedy  | Private Foundation                          | \$333,899 | 22     |
| <b>Department or Office:</b>                       | Psychology   |   |           |        |
| Bergeman, Cindy S.                                 | Notre Dame Study in Resiliency in Later Life   | National Institutes of Health               | \$375,000 | 12     |
| Chow, Sy Miin                                      |  |   |           |        |
| Maxwell, Scott E.                                  |  |   |           |        |
| Lubke, Gitta                                       |  |   |           |        |
| Ong, Anthony D.                                    |  |   |           |        |
| Boker, Steven M.                                   |  |   |           |        |
| Haefel, Gerald                                     | Testing the Efficacy of a New Cognitive Behavioral Intervention in Preventing Depression and the Moderating Effects of a Functional Polymorphism in th | Private Foundation                          | \$59,850  | 24     |
| <b>Department or Office:</b>                       | Romance Languages and Literatures  |   |           |        |
| Juarez, Encarnacion                                | Women and Disability in Early-modern Spain: Aging Women, Prostitutes and Saints  | University of Minnesota                     | \$3,000   | 3      |
| <b>Department or Office:</b>                       | Sociology  |   |           |        |
| Smith, Christian                                   | Continuing Work on the NSYR  | University of North Carolina at Chapel Hill | \$291,905 | 18     |
| <b>Department or Office:</b>                       | University Libraries   |   |           |        |
| Arnott, Julie E.                                   | Preservation of Catholic Traditions  | National Endowment for the Humanities       | \$456,626 | 24     |
| <b><u>Proposals for Instructional Programs</u></b> |  |   |           |        |
| <b>Department or Office:</b>                       | Theology   |   |           |        |
| Groody, Daniel G.                                  | Guadalupe: Madre de America: Narrative, Image and Devotion   | Private Foundation                          | \$20,000  | 0      |

### **Awards and Proposal Summary**

09/01/2006 to 09/30/2006

#### **Awards Received**

| Category               | No.       | Amount             |
|------------------------|-----------|--------------------|
| Research               | 36        | \$5,737,058        |
| Instructional Programs | 2         | \$32,559           |
| <b>Total:</b>          | <b>38</b> | <b>\$5,769,617</b> |

#### **Proposals Submitted**

| Category               | No.       | Amount              |
|------------------------|-----------|---------------------|
| Research               | 92        | \$18,690,090        |
| Instructional Programs | 6         | \$172,236           |
| <b>Total:</b>          | <b>98</b> | <b>\$18,862,326</b> |

### **September 2006 Cumulative summary**

#### **Awards Received**

|                          | 07.01.2004 - 09.30.2004 |                     | 07.01.2005 - 09.30.2005 |                     | 07.01.2006 - 09.30.2006 |                     |
|--------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| Category                 | No.                     | Amount              | No.                     | Amount              | No.                     | Amount              |
| Research                 | 112                     | \$27,747,218        | 104                     | \$22,253,813        | 139                     | \$24,533,365        |
| Facilities and Equipment |                         |                     |                         |                     |                         |                     |
| Instructional Programs   |                         |                     |                         |                     | 4                       | \$591,775           |
| Other Programs           |                         |                     |                         |                     |                         |                     |
| Service Programs         |                         |                     |                         |                     |                         |                     |
| <b>Total:</b>            | <b>112</b>              | <b>\$27,747,218</b> | <b>104</b>              | <b>\$22,253,813</b> | <b>143</b>              | <b>\$25,125,140</b> |

#### **Proposals Submitted**

|                          | 07.01.2004 - 09.30.2004 |                     | 07.01.2005 - 09.30.2005 |                     | 07.01.2006 - 09.30.2006 |                     |
|--------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| Category                 | No.                     | Amount              | No.                     | Amount              | No.                     | Amount              |
| Research                 | 165                     | \$61,223,445        | 181                     | \$41,384,904        | 193                     | \$49,766,100        |
| Facilities and Equipment |                         |                     |                         |                     |                         |                     |
| Instructional Programs   | 6                       | \$2,278,698         |                         |                     | 10                      | \$366,336           |
| Other Programs           |                         |                     | 1                       | \$5,000             |                         |                     |
| Service Programs         |                         |                     |                         |                     |                         |                     |
| <b>Total:</b>            | <b>171</b>              | <b>\$63,502,143</b> | <b>182</b>              | <b>\$41,389,904</b> | <b>203</b>              | <b>\$50,132,436</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 631-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

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

| Investigator(s)   | Title   | Sponsor                          | Dollars     | Months |
|---|---|----------------------------------|-------------|--------|
| <b><u>Awards for Research</u></b>   |   |                                  |             |        |
| <b>Department or Office:</b>  | Aerospace and Mechanical Engineering  |                                  |             |        |
| Dunn, Patrick F.<br>Brach, Raymond M.<br>(Center or Institute)                          | Tobacco-Smoke-Mater<br>Exposure via Indirect<br>Pathways  | Corporate Funding                | \$178,792   | 24     |
| Jumper, Eric J.<br>(Center or Institute)<br>Gordeyev, Stanislav V.<br>Rennie, Robert M. | MEMS-Based<br>Aero-Optics Simulator<br>System (MASS)<br>Phase 1 - Concept<br>Feasibility<br>Demonstration         | Corporate Funding                | \$31,000    | 9      |
| Schmid, Steven R.   | Undergraduate<br>Research Projects in<br>Trauma and Bone<br>Fracture Repair                                       | Corporate Funding                | \$13,500    | 4      |
| <b>Department or Office:</b>  | Biological Sciences   |                                  |             |        |
| Collins, Frank H.<br>(Center or Institute)  | VectorBase: A<br>Bioinformatics<br>Resource Center for<br>Invertebrate Vectors<br>of Human Pathogens              | National Institutes of<br>Health | \$598,418   | 13     |
| Feder, Jeffrey L.   | Collaborative<br>Research: Host Race<br>Formation among<br>Southern<br>Hawthorn-Infesting<br>Rhagoletis pomonella | National Science<br>Foundation   | \$122,574   | 36     |
| Hinchcliffe, Edward H.<br>(Center or Institute)   | Mechanisms of<br>Centrosome<br>Reproduction in<br>Animal Cells  | National Institutes of<br>Health | \$258,030   | 12     |
| O'Tousa, Joseph E.  | University of Notre<br>Dame Environmental<br>Genomics Research<br>Center (IN)                                     | Department of Energy             | \$1,529,000 | 15     |
| Welsh, JoEllen J.<br>Tenniswood, Martin   | Vitamin D Mediated<br>Apoptosis in<br>Mammary Cells   | National Institutes of<br>Health | \$33,791    | 45     |
| <b>Department or Office:</b>  | Chemical and Biomolecular Engineering   |                                  |             |        |
| Bohn, Paul W.   | Grant Transfer  | National Science<br>Foundation   | \$50,705    | 16     |

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

| Investigator(s)  | Title  | Sponsor                               | Dollars   | Months |
|--|--|---------------------------------------|-----------|--------|
| Wolf, Eduardo E.   | A Copper Oxide Based Catalytic Cartridge for the Production of Hydrogen from Methanol for Small Fuel Cells | Corporate Funding                     | \$45,000  | 12     |
| <b>Department or Office:</b>                               | Chemistry and Biochemistry   |                                       |           |        |
| Krchnak, Viktor  | Diversity-oriented combinatorial synthesis of bisheterocyclic libraries                                    | National Institutes of Health         | \$187,500 | 12     |
| <b>Department or Office:</b>                               | Classics, The  |                                       |           |        |
| Amar, Joseph P.<br>Young, Robin D.                         | Early Christianity and the Path to Islam: The Middle East between Rome and Iran                            | National Endowment for the Humanities | \$138,334 | 12     |
| <b>Department or Office:</b>                               | Computer Science & Engineering   |                                       |           |        |
| Bowyer, Kevin W.<br>Flynn, Patrick J.<br>Chawla, Nitesh V. | Face Recognition from Video  | National Institute of Justice         | \$362,476 | 12     |
| Chandra, Surendar  | CAREER: Scalable Self Managing Multimedia Storage  | National Science Foundation           | \$50,000  | 50     |
| Flynn, Patrick J.<br>Bowyer, Kevin W.                      | Characterizing 3D Face Data, Sensors, and Collection Procedures  | Corporate Funding                     | \$40,000  | 4      |
| Flynn, Patrick J.<br>Bowyer, Kevin W.                      | Characterizing 3D Face Data, Sensors, and Collection Procedures  | Corporate Funding                     | \$40,000  | 4      |
| Kogge, Peter M.  | "At the Memory" Floating Point Architecture Research - Year 3  | Sandia National Laboratory            | \$49,976  | 10     |

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

| Investigator(s)  | Title   | Sponsor                       | Dollars   | Months |
|--|---|-------------------------------|-----------|--------|
| Kogge, Peter M.<br>Brockman, Jay B.                            | Design and Simulation of a Programmable Memory/Multiplier Array Using G4-FET Technology                   | Air Force Research Lab/ARPA   | \$115,020 | 6      |
| <b>Department or Office:</b>                                   | Economics and Econometrics  |                               |           |        |
| Sullivan, James X.   | Improving our Information on Who Receives Food Stamps and the Program's Effects on Income and Consumption | University of Chicago         | \$40,000  | 16     |
| <b>Department or Office:</b>                                   | Electrical Engineering  |                               |           |        |
| Bernstein, Gary H.<br>Fay, Patrick J.<br>(Center or Institute) | Novel Superconnects for Ultrahigh-Performance Hybrid Communications System                                | National Science Foundation   | \$298,248 | 36     |
| Fay, Patrick J.<br>(Center or Institute)                       | Advanced Sensors for Millimeter-Wave Detection and Imaging  | National Science Foundation   | \$15,000  | 12     |
| Fay, Patrick J.<br>(Center or Institute)                       | Low-cost, high-power transmit/receive modules for X-band radars   | Corporate Funding             | \$29,513  | 12     |
| Fay, Patrick J.<br>(Center or Institute)                       | Advanced Sensors for Millimeter-Wave Detection and Imaging  | National Science Foundation   | \$168,087 | 12     |
| Laneman, J. N.   | Software-Defined Radio Technologies for Justice and Public Safety Communications                          | National Institute of Justice | \$200,000 | 12     |
| Laneman, J. N.   | Collaborative Research: NETS-ProWin-NBD: A New Taxonomy for Cooperative Wireless Networks                 | National Science Foundation   | \$400,002 | 48     |

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

| Investigator(s)   | Title   | Sponsor                                      | Dollars   | Months |
|---|---|--|-----------|--------|
| Porod, Wolfgang<br>Brockman, Jay B.<br>Fay, Patrick J.<br>Snider, Gregory L.<br>(Center or Institute) | ABL (Airborne Laser)<br>Detection Sensor<br>Improvements                                    | Corporate Funding                            | \$45,000  | 6      |
| Snider, Gregory L.<br>Orlov, Alexei<br>(Center or Institute)  | Silicon-Based<br>Single-Electron<br>Transistors   | National Institute<br>Standards & Technology | \$93,000  | 36     |
| <b>Department or Office:</b> English  |   |  |           |        |
| Fox, Christopher<br>(Center or Institute)   | Anglo-Irish Identities  | National Endowment for<br>the Humanities     | \$135,623 | 12     |
| Hall, Thomas N.   | Digital Edition of<br>Cambridge, Pembroke<br>MS 25  | Western Michigan<br>University               | \$26,911  | 12     |
| <b>Department or Office:</b> Financial Aid  |   |  |           |        |
| Russo, Joseph A.  | Oxford University<br>Visiting Fellowship  | Corporate Funding                            | \$10,000  | 12     |
| <b>Department or Office:</b> Institute for Latino Studies   |   |  |           |        |
| Brown-Gort, Allert R.<br>(Center or Institute)  | ISDH HIV/AIDS<br>Community Capacity<br>Building Subcontract                                 | Indiana State Department<br>of Health        | \$20,000  | 5      |
| <b>Department or Office:</b> Physics  |   |  |           |        |
| Barabasi, Albert-Laszlo   | Integrated<br>Antimicrobial Drug<br>Discovery Scheme for<br>Multidrug Resistant<br>Bacteria | University of Pittsburgh                     | \$143,213 | 11     |
| Eskildsen, Morten R.  | Joint ND/Argonne<br>Graduate Student RA<br>(Ruobing Xie)                                    | Argonne National<br>Laboratory               | \$27,972  | 12     |
| Kolda, Christopher F.<br>(Center or Institute)  | Probing the Physics<br>of the Hierarchy<br>Problem  | National Science<br>Foundation               | \$35,000  | 36     |



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

| Investigator(s)  | Title   | Sponsor                            | Dollars   | Months |
|--|---|------------------------------------|-----------|--------|
| <b>Department or Office:</b> Psychology                                  |   |                                    |           |        |
| Borkowski, John G.   | Baby/Child Library                                      | Georgetown University              | \$10,000  | 37     |
| <b>Department or Office:</b> Sociology                                   |   |                                    |           |        |
| Cardenas, Gilberto<br>(Center or Institute)                              | Chicago Latino<br>Congregation Study                    | Private Foundation                 | \$195,373 | 12     |
| Brown-Gort, Allert R.  |   |                                    |           |        |
| Hernandez, Edwin I.  |   |                                    |           |        |
| <b><u>Awards for Instructional Programs</u></b>                          |   |                                    |           |        |
| <b>Department or Office:</b> Kellogg Institute for International Studies |   |                                    |           |        |
| Schierling, Sharon K.<br>(Center or Institute)                           | Mobility, Society and<br>Governance in North<br>America | Department of Education            | \$29,476  | 12     |
| Beatty, Edward N.  |   |                                    |           |        |
| <b>Department or Office:</b> Upward Bound                                |   |                                    |           |        |
| Coates, Alyssia J.   | Summer Food Service Program                             | Indiana Department of<br>Education | \$3,083   | 4      |

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

| Investigator(s)  | Title  | Sponsor                       | Dollars   | Months |
|--|--|-------------------------------|-----------|--------|
| <b><u>Proposals for Research</u></b>   |  |                               |           |        |
| <b>Department or Office:</b>   | Aerospace and Mechanical Engineering   |                               |           |        |
| Bowling, Alan P.   | Quantifying Effects of Compliance on Leg Dynamic Performance   | National Science Foundation   | \$335,432 | 36     |
| Corke, Thomas C.<br>Thomas, Flint O.   | High-Resolution Time Resolved Measurements of Unsteady Flow Separation in High Reynolds Number Boundary Layers Relevant to Helicopter Rotor Dynamics | Department of Army            | \$448,347 | 36     |
| Goodwine, John W.  | Symmetries and Redundancy in Mathematics Models of Biological Processes  | National Institutes of Health | \$111,101 | 12     |
| Jumper, Eric J.<br>Gordeyev, Stanislav V.<br>Rennie, Robert M.                     | MEMS-Based Aero-Optics Simulator System (MASS) Phase 1 - Concept Feasibility Demonstration   | Corporate Funding             | \$31,000  | 8      |
| Powers, Joseph M.<br>Wampler, Charles W.<br>Paolucci, Samuel<br>Sommese, Andrew J. | Slow Invariant Manifolds for Spatially Homogeneous and Inhomogeneous Combustion Systems with Detailed Kinetics                                       | National Science Foundation   | \$381,353 | 36     |
| Schmid, Steven R.  | Ironability of Novel Three-Layered Polymer Coated Steels   | Corporate Funding             | \$5,838   | 2      |
| Tomar, Vikas<br>Renaud, John E.  | Variable Fidelity Multiscale Model Management Framework: A Multiscale Material Design Method for Optimizing the Nanoscale Material Phase Morphology  | National Science Foundation   | \$355,673 | 36     |

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

| Investigator(s)                 | Title   | Sponsor                       | Dollars   | Months |
|---------------------------------|---|-------------------------------|-----------|--------|
| Tomar, Vikas<br>Niebur, Glen L. | Establishing the Computational and Experimental Methods for Analyzing Microstructure Dependent Microdamage and Failure of Trabecular Bone           | National Institutes of Health | \$148,584 | 12     |
| Tomar, Vikas<br>Niebur, Glen L. | Cohesive Finite Element Method Based Computational and Experimental Analyses of Microstructure Dependent Microdamage and Failure of Trabecular Bone | National Science Foundation   | \$320,182 | 36     |
| Wang, Meng<br>Morris, Scott C.  | Outside Rear-View Mirror Wind Noise Testing   | Corporate Funding             | \$50,000  | 6      |
| <b>Department or Office:</b>    | Anthropology  |                               |           |        |
|                                 | Addiction and Desire: Adolescent Substance Use and Abuse in Columbia  | Private Foundation            | \$30,000  | 12     |
| <b>Department or Office:</b>    | Biological Sciences   |                               |           |        |
| Adams, John H.                  | Experimental Tropical Disease Research  | National Institutes of Health | \$171,879 | 12     |
| Ferdig, Michael T.              | Copy Number Variation in Malaria Parasites  | Private Foundation            | \$113,418 | 12     |
| Ferdig, Michael T.              | SNP-Based Assessment of Genome Diversity and Association Mapping of Drug Resistance Loci in Malaria Parasites (working title)                       | Harvard University            | \$120,018 | 12     |

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

| Investigator(s)                                    | Title   | Sponsor                         | Dollars   | Months |
|--|---|---------------------------------|-----------|--------|
| Hyde, David R.                                     | Genetic Hierarchy Underlying Photoreceptor Regeneration                   | National Institutes of Health   | \$300,876 | 12     |
| Hyde, David R.                                     | Development of Genetic Tools to Study Retinal Regeneration                | National Institutes of Health   | \$187,500 | 12     |
| Li, Lei  | Zebrafish models for dominant retinal degeneration                        | National Institutes of Health   | \$269,495 | 12     |
| Ramalho-Ortigao, Jose Marcelo<br>McDowell, Mary A. | P. Papatasi Midgut Molecules: Gene Function and Assessing TBV Candidates. | National Institutes of Health   | \$350,000 | 12     |
| Severson, David W.                                 | Genetic Strategies for Control of Dengue Virus Transmission               | University of California-Irvine | \$45,248  | 12     |
| Streit, Thomas G.                                  | Asante Foundation Grant in Support of the Haiti Project                   | Private Foundation              | \$50,000  | 12     |

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

| Investigator(s)   | Title  | Sponsor                     | Dollars   | Months |
|---|--|-----------------------------|-----------|--------|
| <b>Department or Office:</b>  | Chemical and Biomolecular Engineering  |                             |           |        |
| Bohn, Paul W.<br>Kamat, Prashant V.<br>Kuno, Masaru K.<br>Furdyna, Jacek K.<br>Porod, Wolfgang<br>Lieberman, Marya<br>Meisel, Dan<br>Bernstein, Gary H.<br>Merz, James L.<br>Snider, Gregory L.<br>Zhu, Yingxi E.<br>Kosel, Thomas H.<br>Jena, Debdeep<br>Xing, Huili<br>Ovaert, Timothy C.<br>Liu, Katherine W.<br>Chang, Hsueh-Chia | Acquisition of a<br>Dual-Source Focused<br>Ion Beam Instrument for<br>Defense-Related<br>Research at UND                             | Department of the Air Force | \$906,027 | 12     |
| Bohn, Paul W.<br>Kamat, Prashant V.<br>Kuno, Masaru K.<br>Furdyna, Jacek K.<br>Porod, Wolfgang<br>Lieberman, Marya<br>Meisel, Dan<br>Bernstein, Gary H.<br>Merz, James L.<br>Snider, Gregory L.<br>Zhu, Yingxi E.<br>Kosel, Thomas H.<br>Jena, Debdeep<br>Xing, Huili<br>Ovaert, Timothy C.<br>Liu, Katherine W.<br>Chang, Hsueh-Chia | Acquisition of a<br>Dual-Source Focused<br>Ion Beam Instrument for<br>Defense-Related<br>Research at the<br>University of Notre Dame | Department of Navy          | \$906,027 | 12     |

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

| Investigator(s)   | Title  | Sponsor                                 | Dollars     | Months |
|---|--|---|-------------|--------|
| Bohn, Paul W.<br>Kamat, Prashant V.<br>Kuno, Masaru K.<br>Furdyna, Jacek K.<br>Porod, Wolfgang<br>Lieberman, Marya<br>Meisel, Dan<br>Bernstein, Gary H.<br>Merz, James L.<br>Snider, Gregory L.<br>Zhu, Yingxi E.<br>Kosel, Thomas H.<br>Jena, Debdeep<br>Xing, Huili<br>Ovaert, Timothy C.<br>Liu, Katherine W.<br>Chang, Hsueh-Chia | Acquisition of a Dual-Source Focused Ion Beam Instrument for Defense-Related Research at the University of Notre Dame. | U.S. Army Research Institute            | \$906,027   | 12     |
| Bohn, Paul W.   | Actively Controlled Transport with Molecular Assemblies  | National Science Foundation             | \$170,081   | 17     |
| Brennecke, Joan F.<br>Kamat, Prashant V.<br>Incropera, Frank P.<br>McGinn, Paul J.  | IGERT: Future Leaders in Advanced Materials for Energy Sustainability (FLAMES)   | National Science Foundation             | \$2,931,886 | 60     |
| Brennecke, Joan F.  | Reversible Hydrogen Chemisorption by Tailored Metal-Organic Frameworks   | University of Illinois-Urbana-Champaign | \$90,000    | 36     |
| Chang, Hsueh-Chia<br>Sengupta, Shramik  | Rapid DEP Sorting Spectrum of the Enteric Microbiome for the Diagnosis of IBD  | National Institutes of Health           | \$203,185   | 12     |

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

| Investigator(s)                             | Title  | Sponsor                     | Dollars   | Months |
|---|--|-----------------------------|-----------|--------|
| Maginn, Edward J.                           | GOALI - Atomistic Simulations of the Physical Properties and Phase Behavior of Ionic Liquid/Gas Mixtures       | National Science Foundation | \$165,619 | 36     |
| McGinn, Paul J.                             | Direct Methanol Fuel Cell Lifetime Improvement   | Corporate Funding           | \$150,300 | 12     |
| Mukasyan, Alexander S.<br>Powers, Joseph M. | Solution Layer Combustion: Novel Methods for Synthesis of Nano Materials                                       | National Science Foundation | \$415,384 | 36     |
| Wolf, Eduardo E.<br>Mukasyan, Alexander S.  | Novel Impregnation Layer Combustion Synthesis for Catalysts' Preparation; Hydrogen Production from Methanol.   | National Science Foundation | \$508,943 | 36     |
| Zhu, Yingxi E.                              | A New Experimental Approach to Design and Characterization of Polymer Thin Films Immersed in Biological Fluids | Private Foundation          | \$0       | 36     |
| Zhu, Yingxi E.                              | The Glass Dynamics of Confined Colloidal Suspensions   | Department of Energy        | \$364,068 | 36     |
| Zhu, Yingxi E.                              | Water-immersed Polymer Interfaces and the Role of Their Interfacial Properties on Biolubrication               | National Science Foundation | \$229,981 | 36     |

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

| Investigator(s)  | Title   | Sponsor                       | Dollars   | Months |
|--|---|-------------------------------|-----------|--------|
| <b>Department or Office:</b> Chemistry and Biochemistry                |   |                               |           |        |
| DuBois, Jennifer   | Enzymatic Biodegradation of Chlorooxides  | National Institutes of Health | \$75,000  | 12     |
| DuBois, Jennifer   | Biological Iron: A Focal Point in Fighting Microbial Infections and in a Context-Based Approach to Advanced General Chemistry | Private Foundation            | \$100,000 | 24     |
| Helquist, Paul<br>Wiest, Olaf G.                                       | Chemistry Core for Development of Therapeutic Agents for Niemann-Pick Type C Disease  | Private Foundation            | \$124,740 | 24     |
| Henderson, Kenneth W.  | Application of s-Block Molecular Aggregates in the Controlled Assembly of Solid State Materials                               | Private Foundation            | \$8,000   | 4      |
| Ploplis, Victoria A.<br>Castellino, Francis J.<br>Iwaki, Takayuki      | The Fibrinolytic System in Chronic Inflammation   | National Institutes of Health | \$375,000 | 12     |
| Taylor, Richard E.   | Production of a Novel, Specific Analog of, and an Advanced Intermediate for, Myriaporone                                      | Corporate Funding             | \$25,000  | 2      |
| <b>Department or Office:</b> Civil Engineering and Geological Sciences |   |                               |           |        |
| Kareem, Ahsan<br>Kijewski-Correa, Tracy L.                             | Structural Health Assessment of BD Tower During Construction  | Corporate Funding             | \$149,672 | 12     |



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

| Investigator(s)                       | Title   | Sponsor  | Dollars   | Months |
|---------------------------------------|---|--|-----------|--------|
| Kurama, Yahya C.<br>Kirkner, David J. | Reinforced Concrete<br>Bearing Walls Subjected<br>to Elevated Temperatures                                      | National Science Foundation                      | \$218,815 | 36     |
| Kurama, Yahya C.                      | Self-Centering<br>Energy-Dissipating<br>Hybrid Precast Walls for<br>Seismic Regions                             | National Science Foundation                      | \$140,777 | 24     |
| Neal, Clive R.                        | Development of a Lunar<br>Geophysical Instrument<br>Package (L-GIP)   | National Aeronautics and<br>Space Administration | \$356,863 | 24     |
| Westerink, Joannes J.                 | Scope of Work for<br>Regional Hydrodynamics<br>Task Co-leadership and<br>Storm Surge Analysis<br>and Simulation | Department of Army                               | \$299,639 | 12     |
| <b>Department or Office:</b>          | Computer Science & Engineering  |  |           |        |
| Chandra, Surendar                     | CAREER: Scalable Self<br>Managing Multimedia<br>Storage   | National Science Foundation                      | \$50,000  | 12     |
| <b>Department or Office:</b>          | Electrical Engineering  |  |           |        |
| Fay, Patrick J.                       | Solar Arrays with High<br>Specific Power  | Corporate Funding                                | \$24,263  | 6      |
| Fay, Patrick J.                       | InGaP DHBT for<br>High-Efficiency L-band<br>T/R Module  | Corporate Funding                                | \$29,265  | 6      |
| Fay, Patrick J.                       | High Efficiency,<br>Low-Junction-Temperatur<br>Power Amplifiers for<br>Long-Range X-band<br>Telecommunications  | Corporate Funding                                | \$32,768  | 6      |

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

| Investigator(s)                       | Title   | Sponsor                     | Dollars   | Months |
|---------------------------------------|---|-----------------------------|-----------|--------|
| Fay, Patrick J.                       | High Efficiency Power Amplifiers for In Situ Communications at UHF  | Corporate Funding           | \$32,768  | 6      |
| Fay, Patrick J.                       | High Efficiency Power Amplifiers for Ka-band Scatterometry  | Corporate Funding           | \$32,768  | 6      |
| Lent, Craig S.                        | Collaborative Research: Design for Nonoelectronic Systems at Molecular Scales                             | National Science Foundation | \$500,000 | 48     |
| Porod, Wolfgang<br>Bernstein, Gary H. | South West Academy for Nonoelectronics (SWAN)   | University of Texas         | \$150,000 | 40     |
| Xing, Huili                           | Design and Fabrication of Polarization-Doped GaN Bipolar Transistors.                                     | Department of Defense       | \$325,762 | 12     |
| Xing, Huili<br>Seabaugh, Alan C.      | Inductively Coupled Plasma Reactive Ion Etching System for Compound Semiconductors and Related Materials. | Department of Defense       | \$325,762 | 12     |
| <b>Department or Office:</b>          | English   |                             |           |        |
| Bruns, Gerald L.                      | Singular Poetries: The Writings of Susan Howe and Lyn Hejinian  | Private Foundation          | \$55,000  | 9      |
| Bruns, Gerald L.                      | Singular Poetries: The Writings of Susan Howe and Lyn Hejinian  | Private Foundation          | \$60,000  | 9      |
| Hart, Kevin J.                        | Without: Religion at the Hands of Philosophy  | Private Foundation          | \$40,000  | 9      |

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

| Investigator(s)              | Title   | Sponsor                 | Dollars  | Months |
|------------------------------|---|-------------------------|----------|--------|
| Vanden Bossche, Chris R.     | Refore Acts: The Franchise Agency and the British Novel, 1832-1867                                | Private Foundation      | \$60,000 | 9      |
| <b>Department or Office:</b> | History   |                         |          |        |
| Beatty, Edward N.            | Technology and Society in Mexico, ca. 1850-1920.  | Private Foundation      | \$40,000 | 12     |
| Coleman, Jon T.              | Here Lies Hugh Glass: Bears, Pirates, Indians and the Legend of a Mountain Man                    | Private Foundation      | \$30,000 | 9      |
| Kaufman, Asher               | Mapping Greater Syria: Boundaries, Identities and Conflict in Syria, Lebanon and Israel/Palastine | Private Foundation      | \$40,000 | 9      |
| Murray, Dian H.              | China, the Church, and Middle Kingdoms  | Private Foundation      | \$38,000 | 9      |
| Murray, Dian H.              | China, the Church, and Middle Kingdoms  | Private Foundation      | \$60,000 | 9      |
| Slaughter, Thomas P.         | North America in its Revolutionary Century  | Private Foundation      | \$60,000 | 12     |
| <b>Department or Office:</b> | Keough Institute for Irish Studies  |                         |          |        |
| Wilkinson, John L.           | Rickett's Blue  | Private Foundation      | \$40,000 | 9      |
| <b>Department or Office:</b> | Kroc Institute for International Peace Studies  |                         |          |        |
| Darby, John                  | The Peace Accord Matrix   | U.S. Institute of Peace | \$46,722 | 18     |
| Wallenstein, Peter N.        |   |                         |          |        |

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

| Investigator(s)                             | Title   | Sponsor                       | Dollars   | Months |
|---|---|-------------------------------|-----------|--------|
| <b>Department or Office:</b>                | Law School  |                               |           |        |
| Brinig, Margaret                            | Promoting the Best Love of the Child  | University of Virginia        | \$12,000  | 1      |
| <b>Department or Office:</b>                | Mathematics   |                               |           |        |
| Alber, Mark S.<br>Hu, Bei<br>Zhang, Yongtao | Three Dimentional Multiscale Model of Vertibrate Limb Development and Regeneration              | National Institutes of Health | \$333,267 | 48     |
| Barron, Katrina D.                          | Vertex Operator Superalgebras, Twisted Modules, and the Geometry of Superconformal Field Theory | National Science Foundation   | \$101,496 | 36     |
| Budur, Nero                                 | Local and Global Problems on Singularities for Higher Dimensional Algebraic Varieties           | National Science Foundation   | \$99,435  | 36     |
| Cholak, Peter A.                            | FRG: Collaborative Research: Algorithmic Randomness   | National Science Foundation   | \$129,100 | 36     |
| Diller, Jeffrey A.                          | Geometry and Ergodic Theory of Rational Maps  | National Science Foundation   | \$128,069 | 36     |
| Han, Qing                                   | Nonlinear Partial Differential Equations and Applications                                       | National Science Foundation   | \$137,233 | 36     |
| Himonas, Alex A.<br>Misiolek, Gerard K.     | Analysis and Geometry of Partial Differential Equations   | National Science Foundation   | \$274,890 | 36     |

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

| Investigator(s)                 | Title   | Sponsor                                       | Dollars   | Months |
|---------------------------------|---|---|-----------|--------|
| Hu, Bei                         | Stability Analysis in Partial Differential Equation Free Boundary Problems. | National Science Foundation                   | \$77,738  | 36     |
| Migliore, Juan C.               | Collaborative Research: Hilbert Functions of Gorenstein Algebras            | National Science Foundation                   | \$175,213 | 36     |
| <b>Department or Office:</b>    | Philosophy  |   |           |        |
| Howard, Don A.                  | Einstein as a Philosopher of Science  | Private Foundation                            | \$40,000  | 12     |
| <b>Department or Office:</b>    | Physics   |   |           |        |
| Howk, Jay C.<br>Lehner, Nicolas | Peering throught the LMC: Feedback in the Nearest Disk Galaxy               | National Aeronautics and Space Administration | \$0       | 12     |
| Lehner, Nicolas<br>Howk, Jay C. | Origin and Structure of the Magellanic Bridge                               | National Aeronautics and Space Administration | \$0       | 12     |
| Wayne, Mitchell R.              | Interactions in Understanding the Universe (I2U2)                           | Fermi National Laboratory                     | \$145,000 | 12     |
| <b>Department or Office:</b>    | Political Science   |   |           |        |
| Hero, Rodney E.                 | Latino Community and American Politics                                      | Private Foundation                            | \$40,000  | 11     |
| Zuckert, Catherine H.           | Machiavellian Politics  | Private Foundation                            | \$35,000  | 9      |

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

| Investigator(s)  | Title  | Sponsor            | Dollars   | Months |
|--|--|--------------------|-----------|--------|
| <b>Department or Office:</b> Psychology                        |  |                    |           |        |
| Borkowski, John G.<br>Cummings, E. M.                          | Project Development<br>Grant: Enhancing<br>Parenting Practices and<br>School Readiness in<br>Latino Families | Private Foundation | \$25,000  | 6      |
| Coming, Alexandra F.   | Making Arrest Decisions<br>based on Probably<br>Cause  | Private Foundation | \$1,976   | 12     |
| Merluzzi, Thomas V.  | Faith and Health: An<br>Interdisciplinary<br>Conference on the<br>Dynamics of Religious<br>Coping            | Private Foundation | \$16,782  | 6      |
| Narvaez, Darcia F.   | Triune Ethics  | Private Foundation | \$40,000  | 10     |
| <b>Department or Office:</b> Romance Languages and Literatures |  |                    |           |        |
| Anderson, Thomas F.  | Carnival, Camparsas,<br>and National Identity in<br>Cuban Poetry,<br>1916-1961.                              | Private Foundation | \$40,000  | 11     |
| Ferreira Gould, Isabel A.                                      | Genealogies of Empire:<br>Unsettling Stories of<br>Colonization and Return                                   | Private Foundation | \$30,000  | 12     |
| <b>Department or Office:</b> Sociology                         |  |                    |           |        |
|  | Building Tomorrow's<br>Chicago: A Funding<br>Collaborative   | Private Foundation | \$997,835 | 12     |
| Fishman, Robert M.   | Democracy in Iberia:<br>Revolution and Identities<br>in the Shaping of<br>Portuguese and Spanish<br>Politics | Private Foundation | \$40,000  | 12     |

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

| Investigator(s)                       | Title  | Sponsor                 | Dollars  | Months |
|---------------------------------------|--|-------------------------|----------|--------|
| <b>Department or Office:</b> Theology |  |                         |          |        |
| Whitmore, Todd D.                     | Post-Conflict Peace Building for Northern Uganda: A Pro-Active Project for Researchers and Practitioners | U.S. Institute of Peace | \$50,000 | 20     |

**Proposals for Instructional Programs**

|   |  |                                       |          |    |
|---|--|---------------------------------------|----------|----|
| <b>Department or Office:</b> Electrical Engineering |  |                                       |          |    |
| Fay, Patrick J.                                     | NCMR Scholars Supplemental Funding Request                     | National Science Foundation           | \$15,000 | 9  |
| <b>Department or Office:</b> English                |  |                                       |          |    |
| Johnson-Roullier, Cyraïna E.<br>Richman, Karen E.   | The America's: New Worlds and Old Worlds in Historical Context | National Endowment for the Humanities | \$75,000 | 12 |
| <b>Department or Office:</b> Sociology              |  |                                       |          |    |
| Cardenas, Gilberto                                  | Summer Institute for Latino Public Policy                      | Corporate Funding                     | \$20,559 | 9  |
| Cardenas, Gilberto                                  | Summer Institute for Latino Public Policy                      | Private Foundation                    | \$20,559 | 9  |
| Cardenas, Gilberto                                  | Summer Institute for Latino Public Policy                      | Private Foundation                    | \$20,559 | 9  |
| Cardenas, Gilberto                                  | Summer Institute for Latino Public Policy                      | Private Foundation                    | \$20,559 | 9  |

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

09/01/2006 to 09/30/2006

#### **Awards Received**

| <b>Department or Office</b>                      | <b>No.</b> | <b>Amount</b>      |
|--|------------|--------------------|
| Center for Astrophysics                          | 1          | \$35,000           |
| Center for Flow Physics and Control              | 2          | \$209,792          |
| Center for Global Health and Infectious Diseases | 1          | \$598,418          |
| Center for Zebrafish Research                    | 1          | \$258,030          |
| Institute for Latino Studies                     | 2          | \$215,373          |
| Kellogg Institute for International Studies      | 1          | \$29,476           |
| Keough Institute for Irish Studies               | 1          | \$135,623          |
| Nano Science and Technology Center               | 6          | \$648,848          |
| <b>Total:</b>                                    | <b>15</b>  | <b>\$2,130,560</b> |

#### **Proposals Submitted**

| <b>Department or Office</b>                             | <b>No.</b> | <b>Amount</b>      |
|---|------------|--------------------|
| Center for Applied Mathematics                          | 1          | \$381,353          |
| Center for Astrophysics                                 | 2          | \$0                |
| Center for Children and Families                        | 1          | \$25,000           |
| Center for Flow Physics and Control                     | 3          | \$529,347          |
| Center for Global Health and Infectious Diseases        | 6          | \$850,563          |
| Center for Microfluidics and Medical Diagnostics        | 2          | \$433,166          |
| Center for Transgene Research                           | 1          | \$375,000          |
| Center for Zebrafish Research                           | 3          | \$757,871          |
| Institute for Latino Studies                            | 6          | \$1,155,071        |
| Interdisciplinary Center for the Study of Biocomplexity | 1          | \$333,267          |
| Keough Institute for Irish Studies                      | 1          | \$40,000           |
| Kroc Institute for International Peace Studies          | 2          | \$96,722           |
| ND Energy Center  | 1          | \$150,300          |
| Nano Science and Technology Center                      | 10         | \$1,468,356        |
| Rare Disease Research Center                            | 1          | \$124,740          |
| Walther Cancer Research Center                          | 1          | \$25,000           |
| <b>Total:</b>   | <b>42</b>  | <b>\$6,745,756</b> |



### **Awards and Proposal Summary**

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

07/01/2006 to 09/30/2006

#### **Awards Received**

| <b>Department or Office</b>                             | <b>No.</b> | <b>Amount</b>       |
|---|------------|---------------------|
| Alliance for Catholic Education                         | 1          | \$157,573           |
| Center for Astrophysics                                 | 4          | \$250,356           |
| Center for Children and Families                        | 1          | \$1,655,985         |
| Center for Flow Physics and Control                     | 6          | \$730,665           |
| Center for Global Health and Infectious Diseases        | 3          | \$1,201,969         |
| Center for Microfluidics and Medical Diagnostics        | 2          | \$1,100,050         |
| Center for Research Computing                           | 1          | \$118,321           |
| Center for Social Concerns                              | 2          | \$55,650            |
| Center for Transgene Research                           | 1          | \$366,188           |
| Center for Zebrafish Research                           | 2          | \$278,030           |
| Environmental Research Center                           | 1          | \$60,000            |
| Institute for Educational Initiatives                   | 2          | \$79,900            |
| Institute for Latino Studies                            | 6          | \$616,605           |
| Interdisciplinary Center for the Study of Biocomplexity | 3          | \$818,466           |
| Kellogg Institute for International Studies             | 1          | \$29,476            |
| Keough Institute for Irish Studies                      | 1          | \$135,623           |
| Nano Science and Technology Center                      | 17         | \$2,294,106         |
| Nuclear Structure Laboratory                            | 1          | \$1,980,000         |
| Radiation Laboratory                                    | 2          | \$271,505           |
| Robinson Community Learning Center                      | 5          | \$52,066            |
| Snite Museum of Art                                     | 1          | \$5,000             |
| South Bend Center for Medical Education                 | 2          | \$337,415           |
| Walther Cancer Research Center                          | 1          | \$267,500           |
| <b>Total:</b>   | <b>66</b>  | <b>\$12,862,449</b> |

#### **Proposals Submitted**

| <b>Department or Office</b>                      | <b>No.</b> | <b>Amount</b> |
|--|------------|---------------|
| Center for Applied Mathematics                   | 1          | \$381,353     |
| Center for Astrophysics                          | 3          | \$113,872     |
| Center for Children and Families                 | 2          | \$71,290      |
| Center for Flow Physics and Control              | 10         | \$3,723,723   |
| Center for Global Health and Infectious Diseases | 11         | \$2,341,627   |
| Center for Microfluidics and Medical Diagnostics | 3          | \$634,647     |
| Center for Transgene Research                    | 1          | \$375,000     |
| Center for Zebrafish Research                    | 6          | \$1,344,944   |
| Environmental Research Center                    | 1          | \$709,934     |

### **Awards and Proposal Summary**

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

07/01/2006 to 09/30/2006

| <b>Department or Office</b>                             | <b>No.</b> | <b>Amount</b>       |
|---|------------|---------------------|
| Freimann Life Science Center                            | 2          | \$49,946            |
| Institute for Church Life                               | 1          | \$103,000           |
| Institute for Latino Studies                            | 9          | \$1,435,992         |
| Interdisciplinary Center for the Study of Biocomplexity | 1          | \$333,267           |
| Keough Institute for Irish Studies                      | 1          | \$40,000            |
| Kroc Institute for International Peace Studies          | 2          | \$96,722            |
| ND Energy Center  | 1          | \$150,300           |
| Nano Science and Technology Center                      | 15         | \$3,107,156         |
| Radiation Laboratory                                    | 2          | \$488,780           |
| Rare Disease Research Center                            | 1          | \$124,740           |
| University Libraries                                    | 1          | \$456,626           |
| Walther Cancer Research Center                          | 3          | \$655,200           |
| <b>Total:</b>   | <b>77</b>  | <b>\$16,738,119</b> |

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

| Investigator(s)  | Title  | Sponsor                                  | Dollars   | Award #    |
|--|--|--|-----------|------------|
| <b><u>Awards for Research</u></b>                              |  |  |           |            |
| <b>Department or Office:</b>                                   | Center for Astrophysics  |  |           |            |
| Kolda, Christopher F.<br>(Center or Institute)                 | Probing the Physics<br>of the Hierarchy<br>Problem   | National Science<br>Foundation           | \$35,000  | 006402-001 |
| <b>Department or Office:</b>                                   | Center for Flow Physics and Control  |  |           |            |
| Jumper, Eric J.<br>(Center or Institute)                       | MEMS-Based<br>Aero-Optics Simulator<br>System (MASS)   | Corporate Funding                        | \$31,000  | 006931-001 |
| Gordeyev, Stanislav V.<br>Rennie, Robert M.                    | Phase 1 - Concept<br>Feasibility<br>Demonstration  |  |           |            |
| Dunn, Patrick F.<br>Brach, Raymond M.<br>(Center or Institute) | Tobacco-Smoke-Mater<br>Exposure via Indirect<br>Pathways   | Corporate Funding                        | \$178,792 | 006578-001 |
| <b>Department or Office:</b>                                   | Center for Global Health and Infectious Diseases   |  |           |            |
| Collins, Frank H.<br>(Center or Institute)                     | VectorBase: A<br>Bioinformatics<br>Resource Center for<br>Invertebrate Vectors<br>of Human Pathogens | National Institutes of<br>Health         | \$598,418 | 006299-001 |
| <b>Department or Office:</b>                                   | Center for Zebrafish Research  |  |           |            |
| Hinchcliffe, Edward H.<br>(Center or Institute)                | Mechanisms of<br>Centrosome<br>Reproduction in<br>Animal Cells                                       | National Institutes of<br>Health         | \$258,030 | 006583-001 |
| <b>Department or Office:</b>                                   | Institute for Latino Studies   |  |           |            |
| Brown-Gort, Allert R.<br>(Center or Institute)                 | ISDH HIV/AIDS<br>Community Capacity<br>Building Subcontract  | Indiana State Department<br>of Health    | \$20,000  | 006911-001 |
| Cardenas, Gilberto<br>(Center or Institute)                    | Chicago Latino<br>Congregation Study   | Private Foundation                       | \$195,373 | 006582-001 |
| Brown-Gort, Allert R.<br>Hernandez, Edwin I.                   |  |  |           |            |
| <b>Department or Office:</b>                                   | Keough Institute for Irish Studies   |  |           |            |
| Fox, Christopher<br>(Center or Institute)                      | Anglo-Irish Identities   | National Endowment for<br>the Humanities | \$135,623 | 006928-001 |

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

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

| Investigator(s)   | Title  | Sponsor                                   | Dollars   | Award #    |
|---|--|---|-----------|------------|
| <b>Department or Office:</b> Nano Science and Technology Center                                       |  |   |           |            |
| Porod, Wolfgang<br>Brockman, Jay B.<br>Fay, Patrick J.<br>Snider, Gregory L.<br>(Center or Institute) | ABL (Airborne Laser) Detection Sensor Improvements                         | Corporate Funding                         | \$45,000  | 006936-001 |
| Fay, Patrick J.<br>(Center or Institute)  | Advanced Sensors for Millimeter-Wave Detection and Imaging                 | National Science Foundation               | \$15,000  | 006919-001 |
| Fay, Patrick J.<br>(Center or Institute)  | Low-cost, high-power transmit/receive modules for X-band radars            | Corporate Funding                         | \$29,513  | 006913-001 |
| Snider, Gregory L.<br>Orlov, Alexei<br>(Center or Institute)  | Silicon-Based Single-Electron Transistors                                  | National Institute Standards & Technology | \$93,000  | 006918-001 |
| Fay, Patrick J.<br>(Center or Institute)  | Advanced Sensors for Millimeter-Wave Detection and Imaging                 | National Science Foundation               | \$168,087 | 006919-001 |
| Bernstein, Gary H.<br>Fay, Patrick J.<br>(Center or Institute)  | Novel Superconnects for Ultrahigh-Performance Hybrid Communications System | National Science Foundation               | \$298,248 | 006920-001 |

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

|  |   |                         |          |            |
|--|---|-------------------------|----------|------------|
| <b>Department or Office:</b> Kellogg Institute for International Studies |   |                         |          |            |
| Schierling, Sharon K.<br>(Center or Institute)<br>Beatty, Edward N.      | Mobility, Society and Governance in North America | Department of Education | \$29,476 | 006933-001 |

**Proposals submitted during the period Sep-01-2006 to Sep-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 Applied Mathematics      |                             |                |                   |
| Powers, Joseph M.                    | Slow Invariant Manifolds            | National Science Foundation | \$381,353      | 07030120          |
| Wampler, Charles W.                  | for Spatially                       |                             |                |                   |
| Paolucci, Samuel                     | Homogeneous and                     |                             |                |                   |
| Sommese, Andrew J.                   | Inhomogeneous                       |                             |                |                   |
|                                      | Combustion Systems with             |                             |                |                   |
|                                      | Detailed Kinetics                   |                             |                |                   |
| <b>Department or Office:</b>         | Center for Astrophysics             |                             |                |                   |
| Howk, Jay C.                         | Peering throught the                | National Aeronautics and    | \$0            | 07030138          |
| Lehner, Nicolas                      | LMC: Feedback in the                | Space Administration        |                |                   |
|                                      | Nearest Disk Galaxy                 |                             |                |                   |
| Lehner, Nicolas                      | Origin and Structure of             | National Aeronautics and    | \$0            | 07030137          |
| Howk, Jay C.                         | the Magellanic Bridge               | Space Administration        |                |                   |
| <b>Department or Office:</b>         | Center for Children and Families    |                             |                |                   |
| Borkowski, John G.                   | Project Development                 | Private Foundation          | \$25,000       | 07030164          |
| Cummings, E. M.                      | Grant: Enhancing                    |                             |                |                   |
|                                      | Parenting Practices and             |                             |                |                   |
|                                      | School Readiness in                 |                             |                |                   |
|                                      | Latino Families                     |                             |                |                   |
| <b>Department or Office:</b>         | Center for Flow Physics and Control |                             |                |                   |
| Jumper, Eric J.                      | MEMS-Based                          | Corporate Funding           | \$31,000       | 07030132          |
| Gordeyev, Stanislav V.               | Aero-Optics Simulator               |                             |                |                   |
| Rennie, Robert M.                    | System (MASS) Phase 1               |                             |                |                   |
|                                      | - Concept Feasibility               |                             |                |                   |
|                                      | Demonstration                       |                             |                |                   |
| Corke, Thomas C.                     | High-Resolution Time                | Department of Army          | \$448,347      | 07030128          |
| Thomas, Flint O.                     | Resolved Measurements               |                             |                |                   |
|                                      | of Unsteady Flow                    |                             |                |                   |
|                                      | Separation in High                  |                             |                |                   |
|                                      | Reynolds Number                     |                             |                |                   |
|                                      | Boundary Layers                     |                             |                |                   |
|                                      | Relevant to Helicopter              |                             |                |                   |
|                                      | Rotor Dynamics                      |                             |                |                   |

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

**Centers and Institutes Report**

| Investigator(s)                                    | Title  | Sponsor                            | Dollars   | Proposal # |
|--|--|------------------------------------|-----------|------------|
| Wang, Meng<br>Morris, Scott C.                     | Outside Rear-View Mirror<br>Wind Noise Testing   | Corporate Funding                  | \$50,000  | 07030157   |
| <b>Department or Office:</b>                       | Center for Global Health and Infectious Diseases   |                                    |           |            |
| Adams, John H.                                     | Experimental Tropical<br>Disease Research  | National Institutes of Health      | \$171,879 | 07030123   |
| Ferdig, Michael T.                                 | SNP-Based Assessment<br>of Genome Diversity and<br>Association Mapping of<br>Drug Resistance Loci in<br>Malaria Parasites<br>(working title) | Harvard University                 | \$120,018 | 07030166   |
| Ramalho-Ortigao, Jose Marcelo<br>McDowell, Mary A. | P. Papatasi Midgut<br>Molecules: Gene<br>Function and Assessing<br>TBV Candidates.   | National Institutes of Health      | \$350,000 | 07030187   |
| Severson, David W.                                 | Genetic Strategies for<br>Control of Dengue Virus<br>Transmission  | University of<br>California-Irvine | \$45,248  | 07030167   |
| Ferdig, Michael T.                                 | Copy Number Variation<br>in Malaria Parasites  | Private Foundation                 | \$113,418 | 07030204   |
| Streit, Thomas G.                                  | Asante Foundation Grant<br>in Support of the Haiti<br>Project  | Private Foundation                 | \$50,000  | 07030205   |
| <b>Department or Office:</b>                       | Center for Microfluidics and Medical Diagnostics   |                                    |           |            |
| Zhu, Yingxi E.                                     | Water-immersed<br>Polymer Interfaces and<br>the Role of Their<br>Interfacial Properties on<br>Biolubrication                                 | National Science Foundation        | \$229,981 | 07030131   |

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

| <b>Investigator(s)</b>  | <b>Title</b>   | <b>Sponsor</b>                | <b>Dollars</b> | <b>Proposal #</b> |
|---|--|-------------------------------|----------------|-------------------|
| Chang, Hsueh-Chia<br>Sengupta, Shramik                            | Rapid DEP Sorting<br>Spectrum of the Enteric<br>Microbiome for the<br>Diagnosis of IBD         | National Institutes of Health | \$203,185      | 07030181          |
| <b>Department or Office:</b>                                      | Center for Transgene Research  |                               |                |                   |
| Ploplis, Victoria A.<br>Castellino, Francis J.<br>Iwaki, Takayuki | The Fibrinolytic System<br>in Chronic Inflammation   | National Institutes of Health | \$375,000      | 07030177          |
| <b>Department or Office:</b>                                      | Center for Zebrafish Research  |                               |                |                   |
| Li, Lei   | Zebrafish models fro<br>dominant retinal<br>degeneration                                       | National Institutes of Health | \$269,495      | 07030135          |
| Hyde, David R.  | Development of Genetic<br>Tools to Study Retinal<br>Regeneration                               | National Institutes of Health | \$187,500      | 07030163          |
| Hyde, David R.  | Genetic Hierarchy<br>Underlying Photoreceptor<br>Regeneration                                  | National Institutes of Health | \$300,876      | 07030191          |
| <b>Department or Office:</b>                                      | Institute for Latino Studies   |                               |                |                   |
| Cardenas, Gilberto  | Building Tomorrow's<br>Chicago: A Funding<br>Collaborative                                     | Private Foundation            | \$997,835      | 07030143          |
| <b>Department or Office:</b>                                      | Interdisciplinary Center for the Study of Biocomplexity  |                               |                |                   |
| Alber, Mark S.<br>Hu, Bei<br>Zhang, Yongtao                       | Three Dimentional<br>Multiscale Model of<br>Vertibrate Limb<br>Development and<br>Regeneration | National Institutes of Health | \$333,267      | 07030155          |

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

**Centers and Institutes Report**

| Investigator(s)              | Title  | Sponsor                 | Dollars   | Proposal # |
|------------------------------|--|-------------------------|-----------|------------|
| <b>Department or Office:</b> | Keough Institute for Irish Studies   |                         |           |            |
| Wilkinson, John L.           | Rickett's Blue   | Private Foundation      | \$40,000  | 07030153   |
| <b>Department or Office:</b> | Kroc Institute for International Peace Studies   |                         |           |            |
| Darby, John                  | The Peace Accord Matrix  | U.S. Institute of Peace | \$46,722  | 07030185   |
| Wallenstein, Peter N.        |  |                         |           |            |
| Whitmore, Todd D.            | Post-Conflict Peace Building for Northern Uganda: A Pro-Active Project for Researchers and Practitioners | U.S. Institute of Peace | \$50,000  | 07030184   |
| <b>Department or Office:</b> | ND Energy Center   |                         |           |            |
| McGinn, Paul J.              | Direct Methanol Fuel Cell Lifetime Improvement   | Corporate Funding       | \$150,300 | 07030179   |
| <b>Department or Office:</b> | Nano Science and Technology Center   |                         |           |            |
| Fay, Patrick J.              | High Efficiency Power Amplifiers for Ka-band Scatterometry   | Corporate Funding       | \$32,768  | 07030108   |
| Fay, Patrick J.              | High Efficiency Power Amplifiers for In Situ Communications at UHF                                       | Corporate Funding       | \$32,768  | 07030107   |
| Fay, Patrick J.              | High Efficiency, Low-Junction-Temperatur Power Amplifiers for Long-Range X-band Telecommunications       | Corporate Funding       | \$32,768  | 07030109   |
| Fay, Patrick J.              | InGaP DHBT for High-Efficiency L-band T/R Module   | Corporate Funding       | \$29,265  | 07030112   |



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

| Investigator(s)                       | Title   | Sponsor                     | Dollars   | Proposal # |
|---------------------------------------|---|-----------------------------|-----------|------------|
| Fay, Patrick J.                       | Solar Arrays with High Specific Power   | Corporate Funding           | \$24,263  | 07030116   |
| Xing, Huili<br>Seabaugh, Alan C.      | Inductively Coupled Plasma Reactive Ion Etching System for Compound Semiconductors and Related Materials. | Department of Defense       | \$325,762 | 07030133   |
| Porod, Wolfgang<br>Bernstein, Gary H. | South West Academy for Nonoelectronics (SWAN)   | University of Texas         | \$150,000 | 07030152   |
| Xing, Huili                           | Design and Fabrication of Polarization-Doped GaN Bipolar Transistors.                                     | Department of Defense       | \$325,762 | 07030156   |
| Lent, Craig S.                        | Collaborative Research: Design for Nonoelectronic Systems at Molecular Scales                             | National Science Foundation | \$500,000 | 07030203   |
| <b>Department or Office:</b>          | Rare Disease Research Center  |                             |           |            |
| Helquist, Paul<br>Wiest, Olaf G.      | Chemistry Core for Development of Therapeutic Agents for Niemann-Pick Type C Disease                      | Private Foundation          | \$124,740 | 07030146   |
| <b>Department or Office:</b>          | Walther Cancer Research Center  |                             |           |            |
| Taylor, Richard E.                    | Production of a Novel, Specific Analog of, and an Advanced Intermediate for, Myriaporone                  | Corporate Funding           | \$25,000  | 07030129   |

**Proposals submitted during the period Sep-01-2006 to Sep-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 Instructional Programs</u></b> |  |                                       |                |                   |
| <b>Department or Office:</b>                       | Institute for Latino Studies                                   |                                       |                |                   |
| Johnson-Roullier, Cyraína E.                       | The America's: New Worlds and Old Worlds in Historical Context | National Endowment for the Humanities | \$75,000       | 07030144          |
| Richman, Karen E.                                  |  |                                       |                |                   |
| Cardenas, Gilberto                                 | Summer Institute for Latino Public Policy                      | Private Foundation                    | \$20,559       | 07030172          |
| Cardenas, Gilberto                                 | Summer Institute for Latino Public Policy                      | Private Foundation                    | \$20,559       | 07030173          |
| Cardenas, Gilberto                                 | Summer Institute for Latino Public Policy                      | Corporate Funding                     | \$20,559       | 07030175          |
| Cardenas, Gilberto                                 | Summer Institute for Latino Public Policy                      | Private Foundation                    | \$20,559       | 07030174          |
| <b>Department or Office:</b>                       | Nano Science and Technology Center                             |                                       |                |                   |
| Fay, Patrick J.                                    | NCMR Scholars Supplemental Funding Request                     | National Science Foundation           | \$15,000       | 07030124          |

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# Notre Dame Report



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