

Notre Dame Report

Faculty Notes

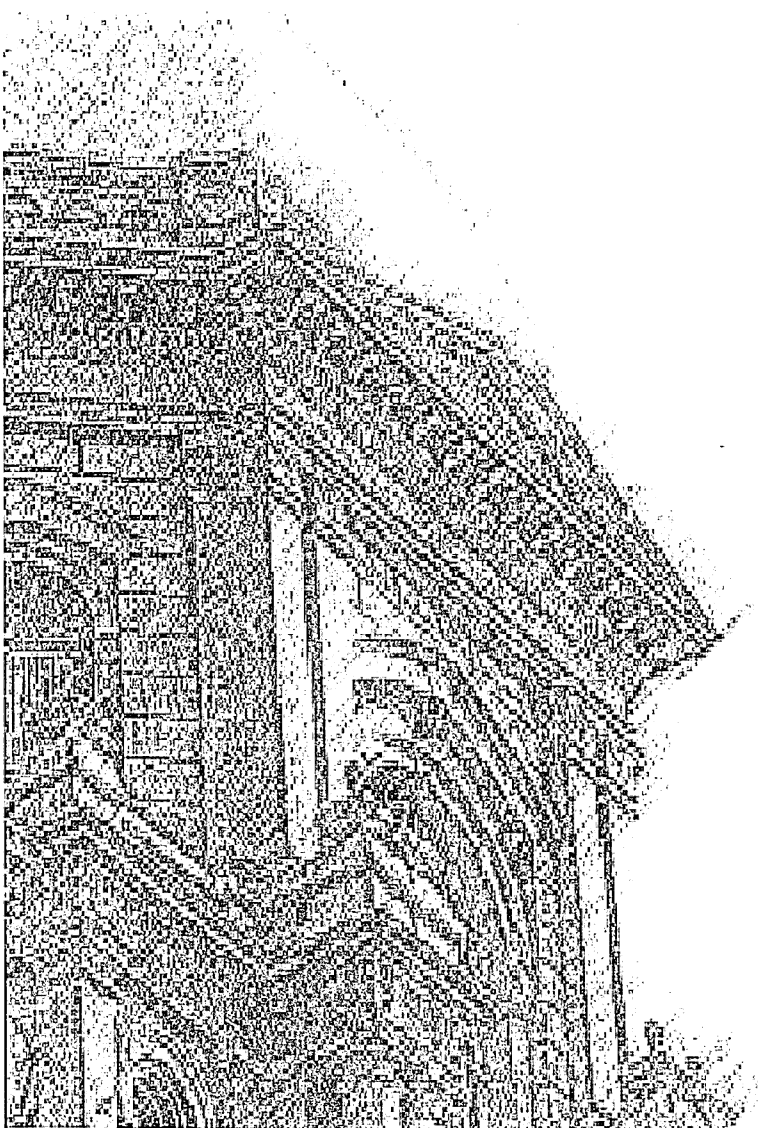
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Faculty Notes

Honors

Paolo G. Carozza, associate professor of law, was selected as a Fulbright Lecturer for the fall 2004 semester, to teach comparative human rights law at the Univ. of Milan, Italy.

John F. Gaski, associate professor of marketing, has been appointed a contract freelance contributor by the *Chicago Tribune* editorial board.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, was named to the international advisory editorial board of the *Journal of Materials Chemistry* and the editorial board of the *Journal of Photochemistry and Photobiology A: Chemistry*.

Kwan S. Kim, professor of economics and policy studies and fellow of the Kellogg Institute and the Higgins Labor Research Center, was selected to serve on the advisory board of the North American Economics and Finance Association for the next three years.

Robert L. Kusmer, associate librarian, received the Nedbook Northwest Europe Award for 2004 to attend the Leipzig Book Fair, Germany.

George M. Marsden, the McAnaney Professor of History, was one of only three authors to receive the 2004 Bancroft Award from Columbia Univ.; received the 2004 Merle Curti Award for best book in intellectual history from the Organization of American Historians; and was awarded the 2003 through 2005 biennial Annibel Jenkins Prize, given by the American Society for Eighteenth-Century Studies, all for his book *Jonathan Edwards: A Life*.

James Seckinger, professor of law, was chosen to be one of a small group of trial advocacy teachers to train the prosecuting team for Sierra Leone's upcoming war crimes trial in Freetown, Sierra Leone, in April.

Robert P. Sedlack, assistant professor of design, had a poster he designed for the New

York Central Railroad Museum (in Elkhart) selected from among thousands of international entries for publication in the 2004 *Graphis Poster Annual*.

Donald E. Sporleder, professor emeritus of architecture, was reappointed to the Indiana Department of Natural Resources Trails Advisory Board by DNR Director John Goss and Governor Joseph Kernan for a term through February 28, 2007.

Activities

Mark Alber, professor of mathematics and concurrent professor of physics, presented two lectures titled "On Multiscale Approach to Modelling Biological Patterns" at the Univ. of Utrecht and the National Research Institute for Mathematics and Computer Science, Amsterdam, the Netherlands, March 8 and 9.

J. Douglas Archer, librarian, served on "The USA PATRIOT Act" panel sponsored by Amnesty International, the Peace Coalition, and the Center for Social Concerns at the Univ. of Notre Dame as part of the National Week of Student Action, March 30.

David Aune, professor of theology, presented two public lectures and a workshop at a graduate faculty retreat at Trinity Western Univ., Langley, British Columbia, March 4-7.

Gerard Baumbach, professional specialist and director of Catechetical Initiatives in the Institute for Church Life and concurrent professor of theology, presented "Forming a New Generation of Catechetical Leaders" at the National Catholic Educational Association Convention, April 15, in Boston.

Gail Bederman, associate professor of history, presented the invited lecture "Slavery, Utopia, and Frances Wright in America" at the "Symposium on Race, Ethnicity, and Civic Identity in the Americas," Univ. of Kentucky, March 27.

Harvey A. Bender, professor of biological sciences, presented a Hesburgh Lecture titled "Genetic Developments and the Brave New Millennium" to the Notre Dame Club of Mobile, Ala., March 18.

Jacqueline Vaught Brogan, professor of English, presented "The 'Proto-Crypto-Dream House' in Elizabeth Bishop and Others" at the "Elizabeth Bishop Conference," Cancun, in December; and "Inessential Houses in Wallace Stevens" at the "Wallace Stevens Conference," Hartford, Conn., April 10.

Seth Brown, associate professor of chemistry and biochemistry, presented the invited seminar "Mechanistic and Thermodynamic Studies of Tripodal Titanium Alkoxides" at the meeting of the American Chemical Society, Anaheim, Calif., March 27-29.

Paul M. Cobb, assistant professor of history and Medieval Institute fellow, presented "There Goes the Neighborhood: The World of a Muslim Family in an Age of Crusades" as the invited Rev. Henry W. Casper, S.J., Annual Lecture at Marquette Univ., March 22.

Lawrence Cunningham, the O'Brien Professor of Theology, presented "On the Dangers of Reading," the annual Library Enhancement Lecture, at the Univ. of Dayton, March 7.

Crislyn D'Souza-Schorey, the Walther Assistant Professor of Biological Sciences, presented an invited seminar "Regulation of Intercellular Adhesion and Cell Motility" at the Univ. of Pennsylvania School of Medicine in March.

Michael Detlefsen, professor of philosophy, presented "Traces of Formalism" to the History and Philosophy of Logic, Mathematics and Science Group, Univ. of California, Berkeley, March 10; "Proof: Confirmation and Discovery" to the Logic Group at Stanford Univ., March 11; and "Mathematical Sources of Formalism" to the Philosophy Department at Stanford Univ., March 12.

Dennis Doordan, professor and chair of the Department of Art, Art History, and Design, presented "The Curious Case of Frank Lloyd Wright and the Cold War" as the endowed annual Clarence Ward "Lecture in Architectural History" at Oberlin College on March 14.

Keith J. Egan, adjunct professor of theology and the Aquinas Chair in Theology at St. Mary's College, presented "Eucharist: A Lenten Journey" at the Motherhouse of the Immaculate Heart of Mary Sisters, Monroe, Mich., Feb. 27–29; "Songs of Desire: the Poetry of John of the Cross" in a public lecture series sponsored by the Carmelite Nuns of Indianapolis, March 18; and "Spiritual Canticle of John of the Cross" to the Carmelite Studies Program at the Washington Theological Union, Washington, D.C., April 1.

Paquita Y. Friday, assistant professor of accountancy, presented "Does the Market Adjust for Differences in Market-Related Values Used to Compute Expected Returns?" cowritten with **H. Fred Mittelstaedt**, professor and PriceWaterhouseCoopers Faculty Fellow, and **Jeffrey S. Miller**, assistant professor of accountancy, at the Univ. of Michigan Business School, Ann Arbor, Jan. 23, and again at the Univ. of Colorado's Leeds School of Business, Boulder, Feb. 27; and "The Financial Performance, Capital Constraints and Financial Reporting Environment of Crosslisted Firms: Evidence from Mexico," cowritten with **Thomas J. Frecka**, the Lizzadro Professor of Accountancy, and **Juan M. Rivera**, associate professor of accountancy, at the Univ. of Illinois' "International Accounting Symposium," Athens, Greece, March 5.

Agustin Fuentes, associate professor of anthropology, presented "How do Physical Anthropologists See Domestication?" and "Wild at Heart? Monkeys, Domestication, and the Human Construction of Nature" at the 133rd Wenner-Gren Foundation Symposium "Where are the Wild Things Now?" in Tucson, March 12–18.

Joachim Görres, research professor of physics, presented the invited talk "Alpha Capture in Stellar Evolution and Explosion" at the "Twelfth Workshop on 'Nuclear Astrophysics,'" Ringberg Castle, Germany, Feb. 22.

Rosalind I.J. Hackett, the Rockefeller Visiting Fellow, Kroc Institute, presented "Religious Conflict and the New Global Media Order" at a colloquium on "Religion in a Globalizing World," Calvin College, March 2; "Rethinking the Role of Religion in the Public Sphere" at a conference on "Comparative Perspectives on Shari'a,"

Univ. of Jos, Nigeria, Jan. 14–18; "Theorizing Religious Violence and Conflict" at the second regional conference of the African Association for the Study of Religion, Legon, Ghana, Feb. 5–8; led a workshop on "Religion and Ethnicity" for the American Academy of Religion's special conference on "Religions Contested, Contesting Religions," Emory Univ., Nov. 18; and presented "Carping or *Carpe Diem*: Response of Scholars of Religion to Global (Religious) Violence" as the British Association for the Study of Religion annual lecture, Chester, U.K., Sept. 15.

Mary Catherine Hilkert, professor of theology, presented "The Glory of God: Humankind and Creation Fully Alive," "Creation in the Image of God, Vocation, and Gender: Insights from Catherine of Siena," and "Wisdom Incarnate: Global Suffering and the Call to Solidarity" as the Anthony Jordan lectures at Newman Theological College in Edmonton, Alberta, Canada, March 12–13.

Roger Huang, the Meyer Professor and Department of Finance Chair, presented "Do Individual NYSE Specialists Subsidize Illiquid Stocks?" at the New York Stock Exchange on March 5.

Robert C. Johansen, senior fellow at the Kroc Institute and professor of political science, presented "The Politics of Establishing the International Criminal Court: United States Opposition and International Support," on the panel "U.S. Hegemony and World Order," cosponsored by the International Organization Section and the Peace Studies Section of the International Studies Association at its annual convention, Montreal, Canada, March 20, where he was a discussant on the panel "What Kind of World Order," sponsored by the International Organization Section, March 18, and a discussant on the panel "Liberal Peace and Dilemmas in World Order," sponsored by the Peace Studies Section, March 20; and presented "The United Nations: What It Can and Cannot Do," at Trinity School, South Bend, on March 29.

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, presented "Semiconductor-Metal Nanocomposites for Improving the Efficiency of Advanced Oxidation Processes," written with T. Hirakawa, "Chromophore Functionalized Metal Nanoparticles," written with K.G. Thomas, and "Photoinduced

Charge Separation and Charge Transfer in CdSe Quantum Dots," written with S. Sharma and V. Subramanian, at the annual meeting of the American Chemical Society, Anaheim, Cal., March 31 and April 1.

Paul Vincent Kollman, C.S.C., assistant professor of theology, Kellogg and Kroc fellow, helped with a marital preparation retreat, Feb. 13–14, Fatima Retreat Center; and led a reentry retreat for Holy Cross associates and others returning from overseas service, Feb. 20–21.

Xiaobo Liu, associate professor of mathematics, presented an invited talk on "Genus 2 Gromov-Witten Invariants" at the workshop on "Symplectic Geometry and Mathematical Physics" on March 26, at the Mathematical Sciences Research Institute at Berkeley.

David Lodge, professor of biological sciences, presented "Bioeconomic Risk Analysis of Invasive Vertebrates and Other Species" to a meeting of the American Institute of Biological Sciences, Washington, D.C., March 16–18; and "Management of Rusty Crayfish through Changing Fishing Regulations" at Ottawa National Forest, Covenant Point Camp, Hagerman Lake, March 30–31.

Scott Mainwaring, director of the Kellogg Institute, Kellogg and Kroc Institutes fellow and the Conley Professor of Political Science, published "Strong Federalism, Constraints on the Central Government, and Economic Reform in Brazil" with D.J. Samuels, *Federalism and Democracy in Latin America*, E.L. Gibson, ed. (Baltimore: Johns Hopkins Univ. Press, 2004): 85–130.

Rev. Richard McBrien, the Crowley-O'Brien Professor of Theology, presented the centenary lecture at an international centenary conference in honor of Yves Congar (on the 100th anniversary of his birth) at Milltown Institute in Dublin, March 19, and a public lecture at Milltown Institute, March 18.

Dan Meisel, professor of chemistry and biochemistry, was appointed by the U.S. State Department as a consultant to the International Atomic Energy Agency (IAEA), and served on the IAEA Experts Panel on "Emerging Applications of Radiation in Nanotechnology," March 23–25, Bologna, Italy; presented a paper at the meeting on "Effects of Radiation

Nanoparticles" and a seminar at the Univ. of Bologna, March 22, on "How Far Can Radiation Damage Be Transmitted?"; and served on the external advisory board of the Institute of Environmental Catalysis, Northwestern Univ., Evanston, Ill., March 18–19.

Thomas V. Merluzzi, associate professor of psychology presented "Moderating and Mediating Effects of Agency for Men and Women with Cancer" with M.R. Laracy; "Development, Structure, and Initial Validation of the Caregiver Inventory: A Measure of Caregiver Efficacy" with K.F. Krueger; and "To Weight or Not to Weight Domains of Quality of Life" with L.E. Brintnall at the annual meeting of the Society of Behavioral Medicine in Baltimore, Md., March 25–27.

Juan Migliore, professor of mathematics, presented the invited talk "On the Hilbert Function and the Minimal Free Resolution of a Relatively Compressed Level Algebra" at the "Special Session on Syzygies and Hilbert Functions" at the 994th meeting of the American Mathematical Society in Tallahassee, Fla., March 12.

Lenny Moss, assistant professor of philosophy and Nanovic Institute fellow, presented "Reflections on the Biological Basis of Human Species Difference" to the Bone and Mineral Club, Indianapolis Univ. Purdue Univ. Indianapolis (IUPUI) Medical School, Feb. 18; "The Philosophy of Anthropology and the Anthropology of Philosophy," to the Dept. of Anthropology, IUPUI, Feb. 18; and "Gene-P, Gene-D and the Future of the Phenotype," to the Dept. of Medical and Molecular Genetics, IUPUI, Feb. 18.

Al Neiman, professional specialist in philosophy, presented "Spirituality and Soul-Sickness: Comments on Professor Mackler's Idea of Philosophical Education" at the annual meeting of the Philosophy of Education Society of North America, March 26–29, Toronto, Ontario, Canada.

Rev. John H. Pearson, C.S.C., director of the White Center on Law and Government in the Law School, presented an invited lecture titled "The Place of a Catholic University in a Secular Society" on Oct. 20, and the invited lecture "After Kyoto, What is Ahead for American Environmental Law?" on Oct. 22, both at the Peter Pazmany Catholic Univ., Budapest, Hungary.

Teresa Godwin Phelps, professor of law, presented a seminar on the value of truth reports at the "Interdisciplinary Seminar on Comparing Truth and Reconciliation Processes" at the International Center for Human Rights at Northwestern Univ. School of Law on March 29; and the keynote address "Pollyanna, Alice, and Other Women in the Law," for Women's Conference Week at Olivet College, on March 17.

Morris Pollard, professor emeritus of biological sciences and director of the LOBUND Laboratory, presented the invited lecture "Prevention of Refractory Prostate Cancer" at the New Van Anchory Research Institute in Grand Rapids, March 16–17.

Jean Porter, the O'Brien Professor of Moral Theology, taught a one-week course "Human Rights in Theological Perspective," at Maynooth College, Ireland, March 1–5; presented "Things New and Old: Scholasticism and the Future of Catholic Theology" at a symposium commemorating the 25th anniversary of the pontificate of John Paul II at Maynooth National Seminary, March 2; and presented "The Paradoxical Status of Natural Rights" at Trinity College, Dublin, March 4.

Gabriel Said Reynolds, assistant professor of theology, presented "Is the Muslim Jesus Alive?" at the annual "American Oriental Society Conference," March 13.

Steven Ruggiero, associate professor of physics, presented "Dilute AlMn Alloys for Superconductor Device Applications" at the "Second International Workshop on Transition Edge Sensor Device Physics," at the Univ. of Miami, March 18; and "Superconducting Refrigerators and Bolometric Sensors for Astronomy and Materials Science" at the "Solid State Seminar," Center for Nano Science and Technology, Notre Dame, March 30.

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, presented "*Die Relevanz Hegels für die gegenwärtige Ästhetik*" at the Technische Hochschule Aachen, Germany, Feb. 27.

Jeff Schorey, assistant professor of biological sciences, presented the invited seminar "Modulation of Macrophage Signaling by Pathogenic Mycobacteria" at the Univ. of Pennsylvania School of Medicine in March.

Mark R. Schurr, associate professor of anthropology, presented the lecture titled "Archaeological Surprises at the Collier Lodge: New Perspectives on Prehistoric and Historic Life on the Kankakee" to the Valparaiso Chapter of the Archaeological Institute of America, Jan. 29.

Mei-Chi Shaw, professor of mathematics, presented an invited talk titled "Estimates for the α -Neumann Problem and Nonexistence of Levi-Flat Hypersurfaces in CP^n " at the "Conference on Recent Developments in Several Complex Variables, Cauchy Riemann Geometry," and Complex Algebraic Geometry for the 60th birthday of Yum-Tong Siu in Hong Kong, China, on Nov. 21, and an invited talk of the same title on Dec. 17, at the Academia Sinica in Taiwan and on Dec. 21, at the "Hayama Symposium" in Japan; and an invited seminar talk titled "Estimates for the α -Neumann Problem and Nonexistence of C^2 Levi-Flat Hypersurfaces in CP^n " at the Univ. of California at San Diego, March 5.

Andrew Sommese, the Duncan Professor of Mathematics, presented the invited talk "Numerically Decomposing the Intersection of Algebraic Varieties" at a conference on "Asymptotic and Effective Results in Complex Geometry," Johns Hopkins Univ., March 16.

James Sullivan, assistant professor of economics, presented "Welfare Reform and Vehicle Ownership for the Poor: Do Asset Tests and Vehicle Exemptions Matter?" at the W.E. Upjohn Institute for Employment Research, March 26; and "Borrowing During Unemployment: Unsecured Debt as a Safety Net" at the Univ. of Western Michigan, April 2.

John P. Welle, professor of Romance Languages and Literatures, concurrent professor of Film, Television and Theatre, and Nanovic Institute fellow, presented the invited lecture "Film Before the Author: The Milano Film Company's *Dante's Inferno* of 1911 and Its Advertising Campaign" at the Univ. of Chicago, Feb. 27.

Carroll William Westfall, the Montana Professor of Architecture, presented "Christianity and Architecture, Architecture and Christianity" as a John Henry Cardinal Newman Lecture in a series on "Christianity and the West: Interaction and Impact in Art and Culture" sponsored by the Institute

for the Psychological Studies, Washington, D.C., March 20.

Rev. Oliver F. Williams, C.S.C., director of the Center for Ethics and Religious Values in Business, and fellow of the Kroc Institute, presented "The United Nations Global Compact: The Challenge and the Promise" for the Association for Practical and Professional Ethics, Cincinnati, Feb. 27; "Business Ethics after Enron," St. Thomas Univ., Minneapolis, March 20; and "South Africa: A Vision of the Future," the Notre Dame Club of Columbus, Ohio, March 29.

Publications

Samuel Amago, assistant professor of Spanish literature, published "Horror and Ambivalence in Tesis: Alejandro Amenábar's Reflections on the Postmodern Condition" in *Revista de Estudios Hispánicos* 38 (2004): 143–158.

Francisco Aragón, visiting faculty fellow at the Institute for Latino Studies, published the poems "Earplugs" and "Doubletalk" in the anthology *Bend, Don't Shatter* (Soft Skull Press, 2004), T.C. Rachel and R.D. Costello, eds.

J. Douglas Archer, librarian, reviewed *Religious Expression and the American Constitution* by F.S. Haiman in the *Newsletter on Intellectual Freedom* 53, No. 2 (2004): 46.

Wendy Arons, assistant professor in Film, Television and Theatre and fellow in the Nanovic Institute, published "Interdisciplinarity, Performance, Power: Galileo in the Academy," *Theatre Topics* 14, No. 1 (March): 275–291.

Matthew J. Barrett, professor of law, published "Enron and Andersen—What Went Wrong and Why Similar Audit Failures Could Happen Again," in *Enron: Corporate Fiascos and Their Implications*, N.B. Rapoport and B.G. Dharan, eds. (New York: Foundation Press, 2004): 155–168.

Raymond M. Brach, professor emeritus of aerospace and mechanical engineering, published *Uncertainty Analysis for Forensic Science* with **Patrick F. Dunn**, professor of aerospace and mechanical engineering (Lawyers and Judges Publishing Company, 2004).

Lawrence Cunningham, the O'Brien Professor of Theology, published "Spiritual Direction as Christian Pedagogy," *Educating People of Faith*, J. Van Engen, ed. (Grand Rapids: Eerdmans, 2004): 330–350; "Seven Observations About Prayer," *Spiritual Life* (Spring): 21–30; and "On Teaching Theology," *For the Love of Teaching*, G.S. Howard, ed. (Notre Dame: Academic Publications, 2004): 31–36.

Morton R. Eskildsen, assistant professor of physics, published "Field-Induced Magnetic Phases in the Normal and Superconducting States of $\text{ErNi}_2\text{B}_2\text{C}$ " with A. Jensen, K.N. Toft, A.B. Abrahamsen, D.F. McMorrow, and N.H. Anderson, *Physical Review B* 69 (2004): 104527.

David Fagerberg, associate professor of theology, published "Between Heaven and Earth: C.S. Lewis on Asceticism and Holiness," *Touchstone* (April).

Umesh Garg, professor of physics, published "The Isoscalar Giant Dipole Resonance: A Status Report," *Nuclear Physics A* 731 (2004): 3–14; "The Effect of Deformation in the Isoscalar Giant Dipole Resonance" with M. Itoh, H. Sakaguchi, M. Uchida, et al., *ibid.*: 41–48; and "Particle Decay of the Isoscalar Giant Dipole Resonance in ^{208}Pb " with M. Hunyadi, C. Bäumer, A.M. van den Berg, et al., *ibid.*: 49–56.

Joachim Görres, research professor of physics, published "Gamma Spectroscopy Using Two Clover Detectors in Close Geometry" with S. Dababneh, N. Patronis, P.A. Assimakopoulos, et al., *Nuclear Instruments and Methods A* 517 (2004): 230–239.

Rosalind I.J. Hackett, the Rockefeller Visiting Fellow, Kroc Institute, published "Prophets, 'False Prophets,' and the African State: Current Issues of Religious Freedom Conflict," P.C. Lucas and T. Robbins (eds.) *New Religious Movements in the 21st Century* (New York: Routledge, 2004); and "Exploring Theories of Religious Violence: Nigeria's Maitatsine 'Phenomenon,'" *Religion as a Human Capacity: Festschrift in Honor of E. Thomas Lawson*, T. Light and B. Wilson, eds. (E. J. Brill, 2004): 193–206.

Maureen T. Hallinan, director of the Center for Research on Educational Opportunity, Institute for Educational Initiatives, and the White Professor of Sociology, edited *Stability and Change in American Education: Structure, Process and Outcomes* with

A. Gamoran, W. Kubitschek, and T. Loveless (Clinton Corners, N.Y.: Eliot Werner Publications, Inc., 2003).

Kevin Hart, professor of English and Nanovic Institute fellow, published "The Gospel of *L'Arrêt de mort*," *Philosophy and Scripture* 1, No. 2 (2004); and "The Right to Say Everything," *The European Legacy* 9, No. 1 (2004): 7–17.

Maxwell Johnson, professor of theology, published a revised version of "Let's Stop Making 'Converts' at Easter," *Rite* (May/June): 4–8; and "Introduction to 'Infant Baptism Reconsidered,'" *Vision: The Scholarly Contributions of Mark Searle to Liturgical Renewal*, A. Koester and B. Searle, eds. (Collegeville: The Liturgical Press, 2004): 138–141.

Paul Vincent Kollman, C.S.C., assistant professor of theology, Kellogg and Kroc fellow, contributed a chapter titled "Early Catholic Lay Ministry in Eastern Africa" in *Christianity and Native Cultures*, C.K. Pulpally et al, eds. (Cross Cultural Publications, 2004).

Robert A. Krieg, professor of theology and Nanovic fellow, published *Catholic Theologians in Nazi Germany* (New York: Continuum Books, 2004).

Patricia Loghry, audiovisual cataloging and licensing librarian, published "Implementing Marc21 for Holdings" report on a pre-conference for North American Serials Interest Group (NASIG) Conference, co-published simultaneously in *Serials Librarian* 44, No. 1–2:(2003) (refereed) and *Transforming Serials: The Revolution Continues* (Haworth Press, 2003).

Dan Meisel, professor of chemistry and biochemistry, published "Fullerene-Based Carbon Nanostructures for Methanol Oxidation" with K. Vinodgopal, Mehul Haria, and **Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, *Nano Letters* 4, No. 3 (2004): 415–418.

Nathan D. Mitchell, professional specialist and associate director in the Center for Pastoral Liturgy and concurrent professional specialist in the Dept. of Theology, published "Croodling," (The Amen Corner), *Worship* 78, No. 2 (March): 165–175.

Larry K. Patterson, research professor emeritus of chemistry and assistant director of the Radiation Laboratory, published "Oxygen-Copper (II) Interplay in the Repair of Semi-Oxidized Urate by Quercetin Bound to Human Serum Albumin" with P. Filipe, P. Morlière, **Gordon L. Hug**, associate professional specialist in the Radiation Laboratory, J.-C. Mazière, J.P. Freitas, A. Fernandes, and R. Santus, *Free Radical Research* 38, No. 3 (2004): 295–301.

Daniel Philpott, associate professor of political science and Nanovic Institute fellow, published "The Catholic Wave," *The Journal of Democracy* 15, No. 2 (April); and "Faith-Based Diplomacy: An Ancient Idea Newly Emergent," written with B. Cox, *The Brandywine Review* 1, No. 2 (Fall): 31–40.

Joseph M. Powers, associate professor of aerospace and mechanical engineering, published "A Karhunen-Loeve Least-Squares Technique for Optimization of Geometry of a Blunt Body in Supersonic Flow" with G.P. Brooks, *Journal of Computational Physics* 195 (2004): 387–412.

Thomas Prügl, assistant professor of theology, published "*Patristische Fundamente der Ekklesiologie des Thomas von Aquin*" in *Väter der Kirche. Ekklesiales Denken von den Anfängen bis in die Neuzeit. Festgabe für Hermann Josef Sieben SJ zum 70.*, J. Arnold, R. Berndt, and R. Stammberger, eds. (Paderborn: Schöningh, 2004): 745–769.

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, published a review of *The Idea of a Catholic University*, by G.D. O'Brien, in the *Journal of Higher Education* 75 (2004): 234–237.

Robert Scheidt, the Warren Professor of Chemistry and Biochemistry, published "Quantitative Vibrational Dynamics of Iron in Nitrosol Porphyrins" with B.M. Leu, M.Z. Zgierski, G.R.A. Wyllie, W. Sturhahn, E.E. Alp, S.M. Durbin, and J.T. Sage, *Journal of American Chemical Society* 126 (2004): 4211–4227.

Dennis M. Snow, professor of mathematics, published "A Bound for the Dimension of the Automorphism Group of a Homogeneous Compact Complex Manifold," *Proc. Amer. Math. Soc.* 132 (2004): 2051–2055.

Kay L. Stewart, associate professional specialist and associate director of the Freimann Life Science Center, published

"Environmental Enrichment in Laboratory Animals," *Laboratory Animal Medicine and Management*, J.D. Reuter and **Mark A. Suckow**, director and research associate professor in the Freimann Life Science Center, *IVIS* (http://www.ivis.org/advances/Reuter/stewart/chapter1_frm.asp?LA=1, April).

Yang Sun, visiting associate professor of physics, published "Nature of Excited 0+ States in 158Gd Described by the Projected Shell Model" with **Ani Aprahamian**, professor of physics, J.-y. Zhang, and C.-T. Lee, *Physical Review C* 68 (2003) 061301(R).

Christopher Waller, the Shaefer Professor of Economics, published "Central Banking

in General Equilibrium" with J. Bullard, *Journal of Money, Credit, and Banking* 36 (February): 95–113.

Rev. Oliver F. Williams, C.S.C., director of the Center for Ethics and Religious Values in Business, and fellow of the Kroc Institute, edited and contributed to *Business, Religion, and Spirituality* (Notre Dame: Univ. of Notre Dame Press, 2003): 323 pp; and published "AIDS and Life-Saving Medicine: Responsibilities," in *Case Studies in Business Ethics*, A. Gini, ed. (Upper Saddle River, N.J.: Pearson Prentice Hall, 2004): 268–277.

Documentation

University Committee on Libraries

February 12, 2004

The meeting was called to order at 7:30 a.m. in Café DeGrasta by Chairman David Smith. Also in attendance were John Adams, Gail Bederman, Harvey Bender, Wesley Calvert, Ryan Finlen, Charles Rosenberg, Mihir Sen, Marsha Stevenson, John Weber, Gordon Wishon, Jennifer Younger, observers Nigel Butterwick and Gay Dannelly, and secretary Melodie Eiteljorge.

The minutes of the meeting of December 11, 2003 were approved with an addendum.

Director's report:

- Younger announced that *Computer World* has named Gordon Wishon as one of the 2004 premiere 100 IT leaders.
- Foik Award: An announcement has gone out to the Factotal list and to *Notre Dame Report*, calling for nominations. Any committee members interested in serving on this year's Foik Award Committee or willing to serve as chair should contact Younger
- The University Libraries responded seriously to the concerns expressed in the last accreditation review. They conducted a LibQUAL+ survey and have redesigned both the internal and external web sites. As

the next accreditation review approaches, the University's aspirations to be a great Catholic teaching and research university will again significantly increase the demands on the library to support teaching, learning and research.

- User printing in the library will be on the March agenda.

Update on communication survey in the University Libraries:

Stevenson reported that the Libraries have contracted with a highly regarded library consultant, Lou Wetherbee, to conduct a survey of internal library communication. Wetherbee is working closely with Organizational Development Librarian Joanne Bessler. She has already conducted interviews with Younger and the associate directors. Stevenson will bring updates to the committee as this project unfolds.

Meeting information needs through journal subscriptions or on-request borrowing/purchasing of single articles:

Background from Younger, distributed prior to the meeting: We are grappling right now with the cost of licensing high priced commercially published e-journal packages. There are competing reasons to subscribe and not to subscribe. On the subscribe side, we see efficiency, timeliness and low unit cost per downloaded article. On the not

to subscribe side, we see the inclusion of journals not highly valued by Notre Dame faculty and the inability to subscribe to journals more highly valued. Many agree that the high use of journal titles in the large packages is use of convenience only and that such use would decline with no negative consequences. However, some articles would still be required. Would the resulting level of use be a level of demand the library could successfully meet? If not, are there practical or useful ways to moderate demand?

Discussion:

Younger noted some options for moderating demand for articles from journals to which the library does not subscribe: limit citation retrieval to what we own; share costs of interlibrary loan (ILL) with faculty/departments; redirect undergraduate requests to sources the library owns.

Bederman addressed Younger's observation: "Many see that a high proportion of the use of journal titles in the large packages is use of convenience only and that such use would decline with no negative consequences." She noted that scholarship is often serendipitous. One of the purposes of having library resources databases is to allow students and scholars to locate relevant articles in journals that they might not know about otherwise. This is not a matter of convenience—it's how productive scholarship works. Also, she noted that "articles are not fungible," that normally a particular article is what is needed. Calvert added that in the case that we own the requested item, ILL requests are redirected already, and in the case that we don't, the name "redirect" is dishonest and should be replaced by "deny."

Bender noted that we have already cut journals to the quick. It is the large commercially-published journal packages, e.g. Elsevier's Science Direct that are taking most of the library materials budget. He asked about consortia to deal with this. Younger responded that we are part of the NorthEast Research Libraries Consortium (NERL), and our journal licensing costs have gone down since we joined. However, NERL is not one administrative unit, and individual library members are not bound by the decisions of others. This causes some

loss of leverage, in contrast to the 10 University of California libraries which negotiate as one single entity.

Bender also noted that cancelling packages and re-subscribing to what we need might not result in savings, because what we need is the more expensive journals. There is also the matter of inconvenience. Undergraduates in particular do not budget time for turn-around.

Younger noted that the University of Illinois Chemistry Library and California Institute of Technology have adopted an approximate 80/20 model, under which they figure 80% of use comes from 20% of the journals. Thus, they retained the most frequently used journals and analyze regularly whether it is more cost-effective to subscribe to a journal title or to purchase articles on request. Adams agreed that this sounds reasonable, but there is a degradation in convenience, to which Younger agreed.

Bender asked about the possibility of getting more money from the University. Younger responded that the Provost Office is trying to find add-on funds, and she anticipates some additional money, but it will not likely be sufficient to cover annual inflation costs for all journals. Bederman suggested that implementing cost sharing for document delivery of journal articles—one of the three options Younger had proposed for regulating demand for articles from journals to which the library does not subscribe—would upset faculty but also make them more aware of the problem.

Weber suggested that we engage faculty at large in this conversation, articulating the facts, trends and outlooks. Faculty must feel the frustration and share their concerns with colleagues at other institutions. He stated further that this is a national issue and that the government should be involved. We must find ways to displace the leverage of the Big 5 journal publishers.

Bender suggested that we should write a white paper. Weber agreed but thought we should also hold meetings within the colleges. Rosenberg stated that in the College of Arts and Letters only departmental faculty meetings are well attended. He suggested that library representatives attend department meetings in each department.

Others agreed that this is true of the other colleges as well.

Younger stated that she, David Smith, Gail Bederman and John Weber will be meeting with Cynthia Maciejczyk, the University's Director of Communications, Projects & Planning, to discuss communication between the committee and the faculty.

The next meeting was scheduled for March 18, 2004. There being no further business, the meeting adjourned at 8:55 a.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary
February 26, 2004

University Committee on Women Faculty and Students

February 27, 2004

Members present: Teresa Godwin Phelps (chair), Susan Blum, Jill Godmilow, Sr. Mary Louise Gude, C.S.C., Barbara Mangione, Mary Ann McDowell, Agnes Ostafin, Erica Pirnie, Peter Quaranto, Maura Ryan, Eugene Walls

Members absent: Carl Ackerman, Patricia Bellia, Doris Bergen, Emily Chin, Liz Dube, Anna Skoien, Katherine Spiess

Observers: Mary Hendriksen, reporter

Prof. Phelps, chair, called the meeting to order at 1:15 p.m. She said that she will attempt to reschedule at least one of the Committee's remaining meetings at a time other than 1:15 so that members who are unable to attend during that time slot can participate in the work of the Committee.

1. Election of UCWFS members: Prof. Ryan announced that the various colleges are now accepting nominations to fill the positions of current Committee members whose terms will expire at the end of this academic year. Once elections are held, recommendations will be sent to Fr. Malloy for filling the Committee's appointed-member slots.

2. Minutes approved: The minutes of the meeting of January 30, 2004, were approved without amendment.

3. Subcommittee reports:

(a) Maternity/Paternity benefits for graduate students: On Ms. Byrne's behalf, Prof. Phelps reported that progress is being made on a proposal to provide graduate students with some level of maternity/paternity benefits. The issue continues to be under study in the General Counsel's office.

(b) Eating disorders: At the meeting of January 30, 2004, members discussed how faculty may help recognize and then help students who suffer from eating disorders or body image problems. Members were interested in a possible joint venture by the Committee and the Counseling Center to increase awareness of the Center's services.

At today's meeting, Sr. Mary Louise Gude, C.S.C. reported that Dr. Susan Steibe-Pasulich, director of the Counseling Center, had already concluded that there was a need for greater faculty awareness of the Center's services and prepared a brochure for faculty which was distributed in early February. That brochure, titled *Connections*, outlines the Counseling Center's services and announced the establishment of a service called "Warmline [631-7336]," a non-emergency help line for faculty and staff to consult with counselors on a number of concerns they may have about students and techniques for advising students to seek help.

Sr. Mary Louise was asked to draft a letter addressed to the faculty concerning eating disorders specifically and how they might encourage students they believe are suffering from food or body image problems to attend individual or group counseling sessions at the Counseling Center.

(c) Sexual harassment: Members made suggestions to the draft of a letter to Notre Dame's provost, Nathan Hatch, that Prof. Phelps had circulated before the meeting regarding sexual harassment training at Notre Dame.

In addition, Prof. Phelps announced that at its recent subcommittee meeting, Prof. Godmilow had offered to produce a short, 20-minute film over the summer for Notre Dame faculty and staff on sexual harassment, how it is defined, how

to avoid committing it, and how to file a complaint when it occurs. The UCWFS will then encourage Human Resources and the Provost's Office to show the film at orientations and faculty meetings—ideally, with discussion to follow. While members said they recognized that faculty could not be required to attend a showing of the film, their hope is that the Provost will "highly recommend" to deans and departments chairs that they show the film at meetings in August and September, 2004. Some members reiterated their concern that it is faculty with longer years of service at the University who need the most education on what constitutes sexual harassment. Thus, they urged that the film be shown at regular departmental meetings in addition to orientation sessions for new faculty.

Prof. Phelps said that the Committee will ask the General Counsel's Office to support its request for wide distribution of the film. The more training that is offered at the University, the stronger would be its defense be to any charge of sexual harassment.

(d) Co-residentiality: Prof. Blum reported that although her subcommittee had planned to survey students on their views on co-residentiality, the Office of Residence Life has just completed its own extensive survey of this and other topics related to residence life. The surveys are being analyzed by Institutional Research.

Mr. Quaranto observed that many students are open to options of co-residentiality, for they see it as a way to improve gender relations on campus.

4. North Central Association accreditation visit: The University of Notre Dame is accredited by The North Central Association (NCA). When members of the NCA accrediting team visit campus from March 22-24, 2004, as part of the ten-year accreditation review, they will speak to representatives of various groups, including the UCWFS. Prof. Phelps will represent the UCWFS at a meeting; another Committee member will be asked to join her.

In preparation for that meeting, Prof. Phelps asked members what topics they would like her to address. Responses were: the patriarchal nature of the University, the existence of a chilly climate at Notre Dame for women faculty and students; issues

related to hiring and retention of women faculty members; sexual harassment issues; the problem of date rape; possible under-reporting of rape cases; differences in housing for men and women; and the existence of a culture that, some faculty have observed, seems not to encourage women students to speak up in class.

Prof. Ryan noted that along with issues that remain a concern to women faculty and students at Notre Dame, it is important to note that progress has been made for women at the University in other areas. Significant advances are the establishment of the Office of Institutional Equity, the Academic Affirmative Action Committee, and the Salary Equity Review Committee.

Members discussed whether a "chilly climate" does, in fact, exist for women at the University, with the consensus being that whether or not it exists varies by personal experience. Some members noted that there have been great strides in hiring women faculty at the University, particularly in the sciences and engineering. Those strides, Prof. Phelps said, makes elimination of a chilly climate for women at Notre Dame even more critical. Despite successes on the hiring front, if new hires or women faculty with longer standing find that it is difficult to work at Notre Dame because of its cultural climate, they will not stay.

5. Residence hall issues: Prof. Phelps read an e-mail from Catherine Pieronek, director of women's programs in the College of Engineering, stating that for the first time, Housing clustered first-year women engineering intents into six residence halls during the 2003-04 academic year. She has heard comments from some women that they are happy to have "so many" classmates to study with in their dorms—something that was not possible when first-year intents were spread through all of Notre Dame's women's residence halls. Ms. Pieronek attributes the clustering, along with changes to the first-year engineering curriculum, with a dramatically higher retention rate for women. This year, only 4 out of 83 first-year women left the program, as compared to 19 out of 94 last year.

There being no further business, Prof. Phelps adjourned the meeting at 2:30 p.m.

Research

Awards and Proposal Summary

03/01/2004 to 03/31/2004

Awards Received

Category	No.	Amount
Research	43	\$5,687,436
Total:	43	\$5,687,436

Proposals Submitted

Category	No.	Amount
Research	48	\$11,310,885
Instructional Programs	3	\$271,805
Total:	51	\$11,582,690

March 2004 Cumulative summary

Awards Received

Category	07.01.2001 - 03.31.2002		07.01.2002 - 03.31.2003		07.01.2003 - 03.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	279	\$35,388,060	258	\$43,902,214	289	\$43,608,594
Facilities and Equipment						
Instructional Programs	10	\$1,232,702	10	\$1,333,710	8	\$1,166,443
Other Programs					1	\$62,500
Service Programs						
Total:	289	\$36,620,762	268	\$45,235,924	298	\$44,837,537

Proposals Submitted

Category	07.01.2001 - 03.31.2002		07.01.2002 - 03.31.2003		07.01.2003 - 03.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	520	\$181,286,862	435	\$124,893,919	565	\$200,215,788
Facilities and Equipment						
Instructional Programs	8	\$4,754,785	8	\$3,278,078	6	\$491,350
Other Programs						
Service Programs						
Total:	528	\$186,041,647	443	\$128,171,997	571	\$200,707,138

All awards and proposals are credited in the Monthly Summaries report to the academic department of the primary principal investigator. The Office of Research proposal routing form asks principal investigators to indicate at the time the proposal is submitted which unit will be responsible for the conduct of the project. If that unit is a center or institute the proposal/award is included in the Centers/Institutes report that is a subset of the Monthly Summaries report.

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at research@nd.edu or 631-4670 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 Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Thomas, Flint O Corke, Thomas C (Center or Institute)	Enhanced Design of Turbo-Jet LPT by Separation Control Using Phased Plasma Actuators	National Aeronautics and Space Administration	\$17,000	36
Thomas, Flint O Corke, Thomas C (Center or Institute)	Enhanced Design of Turbo-Jet LPT by Separation Control Using Phased Plasma Actuators	National Aeronautics and Space Administration	\$82,932	36
Morris, Scott C. (Center or Institute)	Fluid Dynamics and Acoustics of a Ducted Propulsion System	Department of Navy	\$20,000	7
Corke, Thomas C. Morris, Scott C. (Center or Institute)	Tip-Clearance Control Using Blade Mounted Plasma Actuators	Department of the Air Force	\$135,000	10
Ovaert, Timothy C.	Mechanical Characterization of Bone Tissue via Nanoindentation	I.U. School Medicine	\$3,300	5
Schmid, Steven R.	Chatter Suppression Through Optimization of Emulsion Lubricants	Corporate Funding	\$34,500	28
Thomas, Flint O. Corke, Thomas C. Dunn, Patrick F. (Center or Institute)	Cavitation Suppression in Piston Fuel Pumps	Corporate Funding	\$200,000	21
Department or Office:	Architecture			
Kenda, Barbara	International Symposium Academia Eolia Revisited	Private Funding	\$12,000	14
Kenda, Barbara	Symposium Academia Eolia Revisited	Private Funding	\$9,000	12
Department or Office:	Biological Sciences			
Ferdig, Michael T. (Center or Institute)	Genetic Control of Cross-Resistance in Plasmodium Falciparum	National Institutes of Health	\$322,000	60
Li, Lei (Center or Institute)	Centrifugal Modulation of Vertebrate Visual Sensitivity	National Institutes of Health	\$222,750	36
Shay, Neil F.	Soy Supplements Interact With Cholesterol-Lowering Drugs	National Institutes of Health	\$185,625	20

Awards received during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Suckow, Mark A. (Center or Institute)	Anti-Adhesive Tissue Scaffold	Corporate Funding	\$1,454	3
Vihtelic, Thomas S. (Center or Institute)	Development of Wild-Type and Mutant Zebrafish Lens	National Institutes of Health	\$259,875	59
Department or Office:	Center for Social Concerns			
Caponigro, Jerome V. (Center or Institute)	Notre Dame Community Outreach Partnership Center	US Housing & Urban Development	\$398,087	36
Department or Office:	Chemical Engineering			
McCready, Mark J.	Fundamental Studies on Two-Phase Gas-Liquid Flows Through Packed-Beds in Microgravity	National Aeronautics and Space Administration	\$46,078	46
Palmer, Andre F. (Center or Institute)	Engineering Artificial Cells	National Science Foundation	\$74,886	45
Department or Office:	Chemical and Biomolecular Engineering			
Stadtherr, Mark A. Brennecke, Joan F.	Subcontract from the Center for Environmentally Benign Catalysis	University of Kansas	\$30,980	6
Department or Office:	Chemistry and Biochemistry			
Fehlner, Thomas P.	Systematic Metallaborane Reaction Chemistry	National Science Foundation	\$150,000	36
Hartland, Gregory V.	Material Properties of Nanospheres and Nanorods Studied by Time-Resolved Spectroscopy	National Science Foundation	\$93,500	36
Helquist, Paul	Collaborative Research Program in Enantioselective Catalyst Design and Applications	Corporate Funding	\$132,000	60
Henderson, Kenneth W.	Development of Novel S-Block Organometallic Reagents	National Science Foundation	\$125,000	36
Mobashery, Shahriar	Ribosomal Function & Antibiotic Design	National Institutes of Health	\$153,284	53
Ploplis, Victoria A. (Center or Institute)	Pathological Consequences of the Plasminogen System	National Institutes of Health	\$300,000	48

Awards received during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Serianni, Anthony S	NMR Studies of Biologically-Important Oligosaccharides	National Institutes of Health	\$228,690	12
Sevov, Slavi C	Frameworks of Transition Metals and Multifunctional Linkers	National Science Foundation	\$100,000	36
Department or Office:	Civil Engineering and Geological Sciences			
Burns, Peter C.	Microbially-Promoted Alteration of U (VI) Phases	Department of Energy	\$135,000	36
Maurice, Patricia A.	Methodologies for Investigating Microbial-Mineral Interactions: A Clay Minerals Society Short Course	Department of Energy	\$6,300	12
Department or Office:	Computer Science & Engineering			
Striegel, Aaron	SGER: GRIM Core Framework Development	National Science Foundation	\$49,182	12
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	\$84,932	60
Department or Office:	Electrical Engineering			
Antsaklis, Panos J Lemmon, Michael D Haenggi, Martin	Real-Time Reconfiguration of Networked Embedded Systems	Air Force Research Lab/ARPA	\$226,019	44
Bernstein, Gary H. Orlov, Alexei Snider, Gregory L. (Center or Institute)	Bridging Nanoelectronics to CMOS	National Science Foundation	\$60,000	12
Department or Office:	English			
Nolan, Maura B. (Center or Institute)	English Fortune: The Early History of a Literary Idea	Private Funding	\$30,000	9
Walvoord, Barbara E.	Teaching Introductory Theology and Religion: Lessons from the Practices of Fifty Effective Teachers	Private Funding	\$93,329	22

Awards received during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: History				
Turner, James C	Erasmus Institute	Private Funding	\$500,000	48
Sullivan, Robert E. (Center or Institute)				
Department or Office: Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	The Latino Protestant Churches AIDS Awareness Project-A Baseline Study	Corporate funding	\$73,110	10
Department or Office: Mathematics				
Diller, Jeffrey A	Complex Dynamics in Higher Dimensions	National Science Foundation	\$36,623	36
Department or Office: Physics				
Johnson, Walter R	Relativistic Many-Body Theory for Atoms	National Science Foundation	\$75,000	36
Ruchti, Randal C.	Waveshifters and Scintillators for Ionizing Radiation Detection	Corporate Funding	\$250,000	24
Department or Office: Psychology				
Radvansky, Gabriel A.	Engineering a Transformatin of Human-Machine Interaction to An Augmented Cognitive Relationship	Sandia National Laboratory	\$5,000	27
Department or Office: Radiation Laboratory				
Bartels, David M.	Neutron and Beta/Gamma Radiolysis of Supercritical Water	Argonne National Laboratory	\$500,000	24
Department or Office: Sociology				
Cardenas, Gilberto (Center or Institute)	IUPLR Latino HIV/AIDS Education and Promotion Project	Health & Human Services	\$150,000	67
Department or Office: Theology				
Daley, Brian E.	God Visible: Patristic Christology Revisited	Private Funding	\$75,000	12

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Morris, Scott C.	Vorticity in Anisotropic Inhomogeneous Turbulence	National Science Foundation	\$122,931	36
Thomas, Flint O. Dunn, Patrick F. Corke, Thomas C.	Cavitation Suppression in Piston Fuel Pumps	Corporate Funding	\$200,000	18
Department or Office:	Biological Sciences			
Adams, John H.	Molecular Analysis of Apical Organelles of Plasmodium	National Institutes of Health	\$262,500	12
Besansky, Nora J.	Genetics of An. funestus Populations	National Institutes of Health	\$452,326	12
Fraser, Malcolm J.	Transgenic Engineering fo Aedine Mosquitoes	National Institutes of Health	\$409,518	12
Lamberti, Gary A. Chaloner, Dominic T. Tank, Jennifer L.	The Role of Marine Nutrients from Salmon in Managed U.S. Forests	Department of Agriculture	\$799,160	36
Severson, David W.	RFLP Mapping of Plasmodium Refractory Genes in Mosquitoes	National Institutes of Health	\$297,000	12
Suckow, Mark A. Pollard, Morris	Vaccines for Prevention of Prostate Cancer	National Institutes of Health	\$75,000	12

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Suckow, Mark A. Pollard, Morris	Vaccines for Prevention of Prostate Cancer	Private Funding	\$194,750	24
Welsh, JoEllen J.	Gene Expression Profiling in Mammary Gland	National Institutes of Health	\$15,000	12
Department or Office:	Chemical and Biomolecular Engineering			
Mukasyan, Alexander S. McGinn, Paul J.	Kinetics of Heterogeneous Rapid Reactions: Novel Experimental Approaches	National Science Foundation	\$354,508	36
Ostafin, Agnes E. McCready, Mark J. Brockman, Jay B.	New Biomolecular Chemical Engineering Curriculum	National Science Foundation	\$12,000	6
Palmer, Andre F.	REU Supplement	National Science Foundation	\$13,800	3
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M. Borbulevych, Oleg	Structural Studies of HLA-A2/gp 100 Peptide Complexes	Private Funding	\$130,500	36

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Chang, Mayland Boggess, William C. Vaughan, Kevin T. Goodson, Holly V. Miller, Marvin J. Mobashery, Shahriar Castellino, Francis J. Adams, John H.	Acquisition of LC/MS System at University of Notre Dame	National Institutes of Health	\$422,573	
Lieberman, Marya	REU Supplement	National Science Foundation	\$7,000	2
Mobashery, Shahriar	Resistance to Beta-Lactam Antibodies	National Institutes of Health	\$330,288	12
Serianni, Anthony S.	Acquisition of an 800 MHz (18.8) NMR Spectrometer	National Institutes of Health	\$500,000	12
Sevov, Slavi C.	Frameworks of Transition Metals and Multifunctional Linkers	National Science Foundation	\$6,000	2
Smith, Bradley D.	Travel Costs for Three Foreign Speakers at ISSC-XII	Private Funding	\$3,600	1
Department or Office:	Civil Engineering and Geological Sciences			
Fein, Jeremy B. Kulpa, Charles F. Bunker, Bruce A.	Metal and Organic Adsorption onto Bacterial Consortia: Tests of Universal Adsorption Behavior	National Science Foundation	\$445,373	36

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Nerenberg, Robert	Optimizing Perchlorate Removal in a Hollow-Fiber Membrane Biofilm Reactor	Department of Defense	\$290,592	36
Talley, Jeffrey W. Zhang, Xiangru	Mercury Speciation and Availability in Tidal Waters, Suspended Solids and Sediments from the San Francisco Bay	U.S. Army Corps of Engineers	\$125,000	19
Department or Office:	Computer Science & Engineering			
Bowyer, Kevin W. Flynn, Patrick J.	Research in Advanced Multi-Biometrics	National Science Foundation	\$232,563	12
Brockman, Jay B. Scheutz, Matthias J. Kogge, Peter M.	Studies in Support of the ACAP Project	Jet Propulsion Laboratory	\$796,211	24
Chen, Danny Z.	Collaborative Research: Geometric Algorithms and Software for Medical Problems and Application	National Science Foundation	\$318,612	36
Flynn, Patrick J.	A System for User Authentication through Multitmodel Face Recognition	National Science Foundation	\$131,727	48
Flynn, Patrick J. Bowyer, Kevin W.	Improving the Ease of Use of Iris Recognition Systems: Advanced Open Iris Biometrics	National Geospatial Intelligence Agency	\$360,000	36

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Hu, Xiaobo	Collaborative Research: Scheduling for Reducing Leakage and Switching Energy in Real-Time Embedded Systems	National Science Foundation	\$251,598	36
Striegel, Aaron	TCP/IP Control Plane Enhancements	Corporate Funding	\$100,000	30
Striegel, Aaron	REU Supplement: GRIM Core Framework Development	National Science Foundation	\$10,750	3
Striegel, Aaron Freeland, Joseph C. Chandra, Surendar	SIAS-ID: Scalable Inference of Attack Signatures for Intrusion Detection	National Science Foundation	\$449,183	36
Department or Office:	Electrical Engineering			
Haenggi, Martin	RAWIN: A Repository for Analytical Results in Wireless Networking	National Science Foundation	\$371,013	36
Stevenson, Robert L. Bowyer, Kevin W. Flynn, Patrick J.	Multi-Source Image Correlation and Analysis	Department of the Air Force Space Division	\$75,000	12
Department or Office:	Film, Television, and Theatre			
Chalmers, Jessica	Avanti: A Postindustrial Ghost Story	Private Funding	\$4,500	8

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: History				
Bergen, Doris L.	Between God and Hitler: Military Chaplains in Nazi Germany	Private Funding	\$21,000	6
Thomas, Julia A.	Democracy and Photography in Occupied Japan	Private Funding	\$30,000	9
Department or Office: Natl. Cons. for Grad. Degrees for Minorities, Engr & Science				
Lucero, Cecilia	Graduate Student Socialization in STEM Programs: A Study of Underrepresented Minorities' Experiences.	National Science Foundation	\$136,518	24
Department or Office: Physics				
Barabasi, Albert-Laszlo	The Topologic Properties of Metabolic Networks	Indiana University Bloomington	\$170,114	36
Barabasi, Albert-Laszlo	Development of a Virtual Tumor	Private Funding	\$76,430	36
LoSecco, John M. Tanner, Carol E.	Research on Practical Aspects of Optical Quantum Computing	National Science Foundation	\$241,029	36
Department or Office: Political Science				
Lieber, Keir A.	U.S. Nuclear Weapons Policy: Departure from Deterrence	Private Funding	\$25,000	9

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Bergeman, Cindy S. Boker, Steven M. Ong, Anthony	Notre Dame Study of Resiliency in Later Life	National Institutes of Health	\$375,000	12
Borkowski, John G. Maxwell, Scott E. LeClere, Felicia B. McKenna, James J. Boker, Steven M.	Predicting and Preventing Neglect in Teen Mothers	National Institutes of Health	\$1,318,805	12
Department or Office: Sociology				
Cardenas, Gilberto	Poetas y Pintores: Artists Conversing with Verse	National Endowment for the Arts	\$40,000	24
Cardenas, Gilberto Zurita, Martha	Latino Leadership Program Evaluation	Private Funding	\$25,000	5
LeClere, Felicia B. Yuan, Ke-Hai	Past Socioeconomic Status/Position and Low Birth Weight	University of California, San Francisco	\$201,413	24
Department or Office: Theology				
Cavadini, John C. Weiss, Joseph E.	Summer Renewal Program in Liturgical Music Ministry	Private Funding	\$80,000	19

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Instructional Programs</u>				
Department or Office:	ACE Educational Outreach			
Johnstone, Joyce V.	PATSOL: Preparing Ace Teachers for Students of Other Languages	Department of Education	\$150,007	38
Department or Office:	Civil Engineering and Geological Sciences			
Silliman, Stephen E.	Development of an Environmental Engineering Curriculum	National Science Foundation	\$94,713	12
Woertz, Jennifer R.				
Talley, Jeffrey W.				
Nerenberg, Robert				
Department or Office:	Department of Human Resources			
Brookshire, Jessica M.	ND Smoking Prevention, Education and Cessation Initiative	Private Funding	\$27,085	15
Firth, Gina M.				

Awards and Proposal Summary

Centers and Institutes Report

03/01/2004 to 03/31/2004

Awards Received

Department or Office	No.	Amount
Center for Flow Physics and Control	5	\$454,932
Center for Molecularly Engineered Materials	1	\$74,886
Center for Transgene Research	1	\$300,000
Center for Tropical Disease Research & Training	1	\$322,000
Center for Zebrafish Research	2	\$482,625
Erasmus Institute	1	\$500,000
Freimann Life Science Center	1	\$1,454
Institute for Latino Studies	2	\$223,110
Kroc Institute for International Peace Studies	1	\$30,000
Nano Science and Technology Center	1	\$60,000
Robinson Community Learning Center	1	\$398,087
Total:	17	\$2,847,094

Proposals Submitted

Department or Office	No.	Amount
Center for Children and Families	1	\$1,318,805
Center for Flow Physics and Control	2	\$322,931
Center for Molecularly Engineered Materials	2	\$366,508
Center for Tropical Disease Research & Training	4	\$1,421,344
Freimann Life Science Center	1	\$194,750
Institute for Church Life	1	\$80,000
Institute for Educational Initiatives	1	\$150,007
Institute for Latino Studies	2	\$65,000
Kroc Institute for International Peace Studies	2	\$46,000
Laboratory for Social Research	1	\$201,413
Lobund Laboratory	1	\$75,000
Nano Science and Technology Center	1	\$7,000
Walther Cancer Research Center	1	\$422,573
Total:	20	\$4,671,331

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

07/01/2003 to 03/31/2004

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$61,600
Center for Astrophysics	3	\$204,262
Center for Children and Families	3	\$1,909,082
Center for Civil and Human Rights	1	\$176,825
Center for Environmental Science and Technology	2	\$20,000
Center for Flow Physics and Control	17	\$1,137,449
Center for Molecularly Engineered Materials	4	\$2,008,745
Center for Social Concerns	1	\$63,500
Center for Transgene Research	3	\$1,277,376
Center for Tropical Disease Research & Training	8	\$2,103,397
Center for Zebrafish Research	4	\$910,935
Environmental Molecular Science Institute	1	\$1,200,000
Environmental Research Center	1	\$1,505
Erasmus Institute	1	\$500,000
Freimann Life Science Center	2	\$13,454
Institute for Church Life	4	\$114,338
Institute for Latino Studies	9	\$515,381
Jacques Maritain Center	1	\$30,000
Kellogg Institute for International Studies	5	\$412,507
Keough Institute for Irish Studies	1	\$4,638
Kroc Institute for International Peace Studies	1	\$30,000
Lobund Laboratory	1	\$31,000
Nano Science and Technology Center	18	\$2,475,627
Nanovic Institute	1	\$1,500
Nuclear Structure Laboratory	1	\$51,150
Radiation Laboratory	4	\$944,163
Robinson Community Learning Center	2	\$894,837
South Bend Center for Medical Education	1	\$240,003
TRIO Programs	3	\$1,076,707
Walther Cancer Research Center	1	\$194,955
Total:	105	\$18,604,936

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 03/31/2004

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	2	\$1,832,979
Center for Astrophysics	9	\$2,496,971
Center for Children and Families	4	\$3,437,591
Center for Civil and Human Rights	1	\$494,047
Center for Environmental Science and Technology	1	\$1,831,352
Center for Flow Physics and Control	20	\$5,376,523
Center for Microfluidics and Medical Diagnostics	2	\$2,392,551
Center for Molecularly Engineered Materials	6	\$1,478,523
Center for Transgene Research	7	\$1,940,567
Center for Tropical Disease Research & Training	20	\$9,156,185
Center for Zebrafish Research	6	\$1,858,930
Chemical and Biomolecular Engineering	1	\$75,250
Cushwa Center for American Catholicism	2	\$237,832
Environmental Molecular Science Institute	1	\$120,000
Environmental Research Center	5	\$959,254
Freimann Life Science Center	6	\$2,753,011
Institute for Church Life	3	\$160,709
Institute for Educational Initiatives	1	\$150,007
Institute for Latino Studies	13	\$1,218,979
Interdisciplinary Center for the Study of Biocomplexity	2	\$2,710,010
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	8	\$490,258
Laboratory for Social Research	2	\$1,122,638
Lobund Laboratory	3	\$466,135
Mendelson Center for Sports, Character, & Community	2	\$634,186
Nano Science and Technology Center	30	\$38,197,056
Nuclear Structure Laboratory	1	\$17,050
Radiation Laboratory	4	\$17,795,790
Walther Cancer Institute Chair I	2	\$482,504
Walther Cancer Research Center	5	\$1,043,237
Total:	170	\$101,229,863

Awards received during the period Mar-01-2004 to Mar-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Center for Flow Physics and Control				
Thomas, Flint O Corke, Thomas C (Center or Institute)	Enhanced Design of Turbo-Jet LPT by Separation Control Using Phased Plasma Actuators	National Aeronautics and Space Administration	\$17,000	005649-001
Thomas, Flint O Corke, Thomas C (Center or Institute)	Enhanced Design of Turbo-Jet LPT by Separation Control Using Phased Plasma Actuators	National Aeronautics and Space Administration	\$82,932	005649-001
Morris, Scott C. (Center or Institute)	Fluid Dynamics and Acoustics of a Ducted Propulsion System	Department of Navy	\$20,000	006214-001
Thomas, Flint O. Corke, Thomas C. Dunn, Patrick F. (Center or Institute)	Cavitation Suppression in Piston Fuel Pumps	Corporate Funding	\$200,000	006221-001
Corke, Thomas C. Morris, Scott C. (Center or Institute)	Tip-Clearance Control Using Blade Mounted Plasma Actuators	Department of the Air Force	\$135,000	006222-001
Department or Office: Center for Molecularly Engineered Materials				
Palmer, Andre F. (Center or Institute)	Engineering Artificial Cells	National Science Foundation	\$74,886	005548-001
Department or Office: Center for Transgene Research				
Ploplis, Victoria A. (Center or Institute)	Pathological Consequences of the Plasminogen System	National Institutes of Health	\$300,000	006228-001
Department or Office: Center for Tropical Disease Research & Training				
Ferdig, Michael T. (Center or Institute)	Genetic Control of Cross-Resistance in Plasmodium Falciparum	National Institutes of Health	\$322,000	005954-001

Awards received during the period Mar-01-2004 to Mar-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Center for Zebrafish Research				
Vihitelic, Thomas S. (Center or Institute)	Development of Wild-Type and Mutant Zebrafish Lens	National Institutes of Health	\$259,875	006013-001
Li, Lei (Center or Institute)	Centrifugal Modulation of Vertebrate Visual Sensitivity	National Institutes of Health	\$222,750	006160-001
Department or Office: Erasmus Institute				
Turner, James C Sullivan, Robert E. (Center or Institute)	Erasmus Institute	Private Funding	\$500,000	005440-001
Department or Office: Freimann Life Science Center				
Suckow, Mark A. (Center or Institute)	Anti-Adhesive Tissue Scaffold	Corporate Funding	\$1,454	006215-001
Department or Office: Institute for Latino Studies				
Cardenas, Gilberto (Center or Institute)	IUPLR Latino HIV/AIDS Education and Promotion Project	Health & Human Services	\$150,000	005160-001
Hernandez, Edwin I. (Center or Institute)	The Latino Protestant Churches AIDS Awareness Project-A Baseline Study	Corporate Funding	\$73,110	006212-001
Department or Office: Kroc Institute for International Peace Studies				
Nolan, Maura B. (Center or Institute)	English Fortune: The Early History of a Literary Idea	National Humanities Center	\$30,000	006213-001
Department or Office: Nano Science and Technology Center				
Bernstein, Gary H. Orlov, Alexei Snider, Gregory L. (Center or Institute)	Bridging Nanoelectronics to CMOS	National Science Foundation	\$60,000	006209-001
Department or Office: Robinson Community Learning Center				
Caponigro, Jerome V. (Center or Institute)	Notre Dame Community Outreach Partnership Center	US Housing & Urban Development	\$398,087	006207-001

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Children and Families			
Borkowski, John G.	Predicting and Preventing	National Institutes of Health	\$1,318,805	04090565
Maxwell, Scott E.	Neglect in Teen Mothers			
LeClere, Felicia B.				
McKenna, James J.				
Boker, Steven M.				
Department or Office:	Center for Flow Physics and Control			
Thomas, Flint O.	Cavitation Suppression in	Corporate Funding	\$200,000	04090527
Dunn, Patrick F.	Piston Fuel Pumps			
Corke, Thomas C.				
Morris, Scott C.	Vorticity in Anisotropic Inhomogeneous Turbulence	National Science Foundation	\$122,931	04090536
Department or Office:	Center for Molecularly Engineered Materials			
Mukasyan, Alexander S.	Kinetics of	National Science Foundation	\$354,508	04090559
McGinn, Paul J.	Heterogeneous Rapid Reactions: Novel Experimental Approaches			
Ostafin, Agnes E.	New Biomolecular	National Science Foundation	\$12,000	04090560
McCready, Mark J.	Chemical Engineering			
Brockman, Jay B.	Curriculum			
Department or Office:	Center for Tropical Disease Research & Training			
Adams, John H.	Molecular Analysis of Apical Organelles of Plasmodium	National Institutes of Health	\$262,500	04090553

Proposals submitted during the period Mar-01-2004 to Mar-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Fraser, Malcolm J.	Transgenic Engineering fo National Institutes of Health Aedine Mosquitoes		\$409,518	04090558
Besansky, Nora J.	Genetics of An. funestus Populations	National Institutes of Health	\$452,326	04090573
Severson, David W.	RFLP Mapping of Plasmodium Refractory Genes in Mosquitoes	National Institutes of Health	\$297,000	04090574
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Vaccines for Prevention of Prostate Cancer	Private Funding	\$194,750	04090566
Pollard, Morris				
Department or Office:	Institute for Church Life			
Cavadini, John C.	Summer Renewal Program in Liturgical Music Ministry	Private Funding	\$80,000	04090568
Weiss, Joseph E.				
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	Poetas y Pintores: Artists Conversing with Verse	National Endowment for the Arts	\$40,000	04090537
Cardenas, Gilberto	Latino Leadership Program Evaluation	Private Funding	\$25,000	04090556
Zurita, Martha				

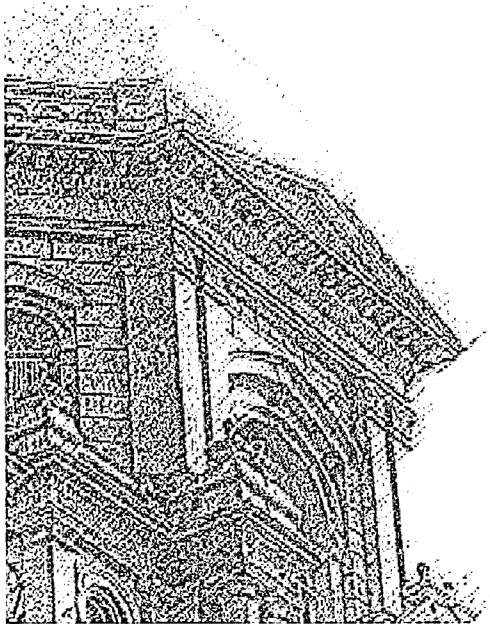
Proposals submitted during the period Mar-01-2004 to Mar-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Kroc Institute for International Peace Studies			
Lieber, Keir A.	U.S. Nuclear Weapons Policy: Departure from Deterrence	Private Funding	\$25,000	04090522
Bergen, Doris L.	Between God and Hitler: Military Chaplains in Nazi Germany	Private Funding	\$21,000	04090531
Department or Office:	Laboratory for Social Research			
LeClere, Felicia B.	Past Socioeconomic Status/Position and Low Birth Weight	University of California, San Francisco	\$201,413	04090546
Yuan, Ke-Hai				
Department or Office:	Lobund Laboratory			
Suckow, Mark A.	Vaccines for Prevention of Prostate Cancer	National Institutes of Health	\$75,000	04090548
Pollard, Morris				
Department or Office:	Nano Science and Technology Center			
Lieberman, Marya	REU Supplement	National Science Foundation	\$7,000	04090547
Department or Office:	Walther Cancer Research Center			
Chang, Mayland	Acquisition of LC/MS System at University of Notre Dame	National Institutes of Health	\$422,573	04090549
Bogges, William C.				
Vaughan, Kevin T.				
Goodson, Holly V.				
Miller, Marvin J.				
Mobashery, Shahriar				
Castellino, Francis J.				
Adams, John H.				

Proposals submitted during the period Mar-01-2004 to Mar-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Instructional Programs</u>				
Department or Office:	Institute for Educational Initiatives			
Johnstone, Joyce V.	PATSOL: Preparing Ace Teachers for Students of Other Languages	Department of Education	\$150,007	04090528

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