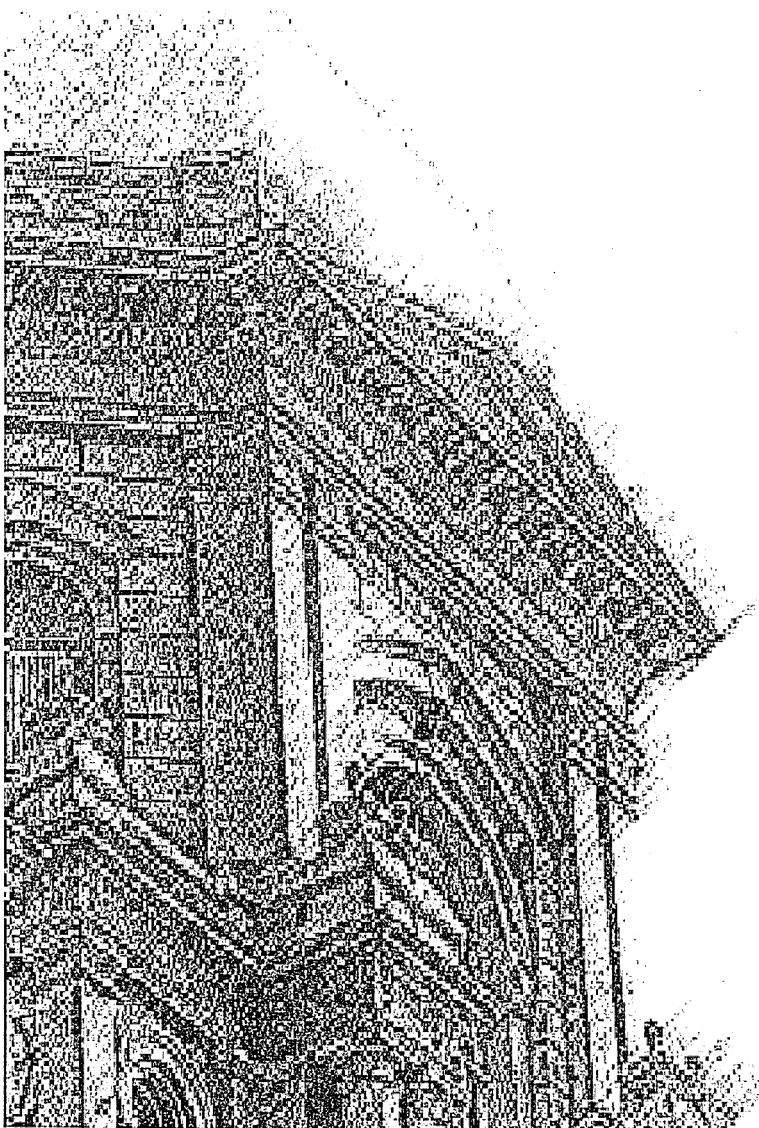


# Notre Dame Report

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# Faculty Notes

## Honors

**Thomas A. Gresik**, professor in the Dept. of Economics and Econometrics, was appointed associate editor of the *European Economic Review*.

**Nathan O. Hatch**, provost, received an honorary doctoral degree from the University, April 29.

**Rueywen Liu**, the Freimann Professor Emeritus of Electrical Engineering, was appointed chair of the 2005 Technical Achievement Award Committee by the IEEE Circuits and Systems Society.

**Rev. Edward A. Malloy, CSC**, received an honorary doctoral degree from the University, April 29.

**Joseph M. Powers**, associate professor of aerospace and mechanical engineering, was appointed a visiting scientist with the Chemistry Division of the Argonne National Laboratory, Illinois, for one month effective June 6.

**Valerie Sayers**, professor of English, was named "Artist of the Month" for May 2005 by *Image: A Journal of the Arts and Religion*.

**Robert Sedlack**, assistant professor of design, had his poster for the National New York Central Railroad Museum (Elkhart, Indiana), titled "The 4085 and the CBOT," awarded a Merit Award by *HOW Magazine* and it was recently published in the *HOW Magazine 2005 International Design Annual*.

## Activities

**Robert Audi**, the Gallo Professor of Business Ethics, presented business ethics papers during the spring term at Baylor Univ. ("Religion in the Workplace," Feb. 24), Biola Univ. ("An Intuitionist Perspective on Business Ethics," Feb. 3), Univ. of Colorado ("The Ethics of Leadership and Leadership in Ethics," April 18), the Santa Clara Univ. Ethics Center ("Ethical Leadership and Leadership in Ethics," Jan. 5), and the Stanford Univ. Ethics Center ("Religion in the

Workplace," Jan. 26); a symposium paper to the American Philosophical Association, Pacific Division ("Replies to Thomas Hurka and Candace Vogler," San Francisco, March 25), responding to critics of his recent *The Good in the Right*, another symposium paper at the Central Division (Chicago, April 29); "Reliability as a Virtue," a paper at an international "Conference on Practical Reason and the Foundations of Ethics," Siena, Italy, March 12; "The Grounds and Structure of Reasons for Action," and a lead symposium paper (with four respondents); "Rationality and the Good," April 7 at an international symposium on rationality and the good, devoted to papers critically discussing his work (Univ. of Notre Dame, April 7-9); and presented other ethics papers at Fordham Univ. ("Practical Reasoning, Moral Judgment, and Ethical Decision," May 2), and the Univ. of Rome ("Practical Reasoning, Moral Judgment, and Ethical Decision," (March 10).

**Jeffrey Bergstrand**, professor of finance, presented the invited paper "Regionalism, Multilateralism, and Globalization," at "The Political Economy of Globalization" conference, Woodrow Wilson School of Public and International Affairs, Princeton Univ., April 28-30; and "Do Free Trade Agreements Actually Increase Members' International Trade?" (written with S. Baier) in the spring "Economics Seminar Series" of the Office of Economics, US International Trade Commission, Washington, DC, May 5.

**Kathleen Biddick**, professor of history, presented the invited paper "The Cut of the Archive: Sovereignty and Spectral Evidence," at a medieval symposium organized by the Society for Fellows in the Liberal Arts at Princeton Univ. on April 30.

**Seth N. Brown**, associate professor of chemistry and biochemistry, presented the invited seminar "Alkene Insertion Reactions of Metal Nitrides and Carbynes," with M. Papadakis, Univ. of Michigan, Ann Arbor, May 12.

**E. Jane Doering**, associate professional specialist, concurrent assistant professor

of College Seminar, and executive director of the Teachers as Scholars Program, spoke to the American Weil Society on April 30 at San Diego Univ. on "Simone Weil: Two Compressed Springs: Colonialism and War."

**Julia Douthwaite**, professor of Romance Languages and Literatures, Fellow in the Nanovic Institute, and assistant provost for International Studies, presented an invited lecture at Northwestern Univ., Evanston, on May 6, titled "The Scientist as Hero and Villain: A Literary History of Controversy."

**Morton Ring Eskildsen**, assistant professor of physics, presented "Two Superconductors in One Package—The Story of Magnesium Diboride," a seminar, at Northwestern Univ., Evanston, Ill., May 20; "Vortex Lattice Anisotropy in Magnesium Diboride," an invited talk, at "CTC-NES/PLASMA 2004—Joint Meeting of the International Symposium on JSPS Core-to-Integrated Action Initiative," "Nanoscience and Engineering in Superconductivity," and "The Fourth International Symposium on Intrinsic Josephson Effect and Plasma Oscillations in High-Tc Superconductors," Tsukuba, Japan, Nov. 27; "Two Superconductors in One Package—The Story of Magnesium Diboride," a seminar, at the Danish Technical Univ., Lyngby, Dec. 20; "Vortex Lattice Anisotropy in Magnesium Diboride," an invited talk, at "IVW-10—10th International Vortex State Studies Workshop," Bombay, Jan. 11; and "Two Superconductors in One Package—The Story of Magnesium Diboride," a seminar, at Brookhaven National Laboratory, Upton, N.Y., March 10.

**Gregory Hartland**, associate chair and professor of chemistry and biochemistry, presented the invited talk "Coherent Excitation of Vibrational Modes in Nanoparticles" at the TRVS Conference, Washington, DC, May 23-25.

**Richard Jensen**, professor and chair of Economics and Econometrics, and C. Chukumba presented "University Invention, Entrepreneurship, and Start-Ups" at the National Bureau of Economic Research Summer Institute "Conference on Academic Science and Entrepreneurship: Dual Engines of Growth?" on April 1 in Santa Fe; and again at the "2005 International Industrial Organization Conference," April 8, in Atlanta.

**Ruthann K. Johansen**, visiting associate professor in the Program of Liberal Studies, presented "Explicating Fictions through Fiction: Simone Weil's Ethic of the Other" at the American Weil Society meeting in San Diego, April 30.

**Charlotte Kroeker**, director of church music initiatives in the Institute for Church Life, performed a duo piano recital with M.A. Ybarra at St. Mary's College on Jan. 23; and presented two sessions on "Music for Eucharist" as part of the ND Teachers as Scholars program in April.

**Keith Madden**, associate professional specialist in the Radiation Laboratory, presented "An EPR/Spin Trapping Study of Nitramine Radiation Chemistry," written with S. Mezyk, at a special workshop on EPR instrumentation, Medical College of Wisconsin, May 6-7.

**Marvin J. Miller**, chair and professor of chemistry and biochemistry, presented the invited talk "Evolvable Scaffolds from Acylnitroso Cycloadducts: Application to the Syntheses of Novel Bioactive Compounds" at Amgem, Thousand Oaks, Calif., May 11-13.

**Rudolph M. Navari**, associate dean, College of Science, and director of the Notre Dame Cancer Institute, presented "Symptomatic Treatment of Infections in Patients with Advanced Cancer Receiving Hospice Care" and "Supportive Care Issues: Febrile Neutropenia and Chemotherapy Induced Nausea and Vomiting" at the 2005 ASCO annual meeting, May 15-17, in Orlando.

**Rev. Ronald Nuzzi**, director, ACE Leadership Program, presented "Italian Immigrants and Catholic Schools, 1880-1950" for the Sons of Italy Lodge #445, Detroit, May 1.

**Morris Pollard**, the Coleman Professor Emeritus and director of the Lobund Laboratory, presented "Hormone Refractory Prostate Cancer in LW Rats," written with **Mark A. Suckow**, director and research associate professor in the Freimann Life Science Center, at the national meeting of the American Society for Investigative Pathology, San Diego, April 3; and an invited seminar on "Prevention of Hormone Refractory Prostate Cancer" at the Dept. of Medical Genetics, Indiana Univ. Medical School, Indianapolis, April 13.

**Mark W. Roche**, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, lectured on "The Catholic Liberal Arts College in the 21st Century: Opportunities, Ideals, and Strategies" at the College of the Holy Cross, Worcester, Mass., April 18; on "Faithful and Excellent" at the "Conference on Academic Excellence and Christian Mission: The Chair's Role in a Both/And Approach," Hope College, Holland, Mich., May 25; and on "The Relevance of Hegel for Contemporary Aesthetics" at the American Philosophical Association annual meeting, Chicago, April 30.

**Ryan K. Roeder**, assistant professor of aerospace and mechanical engineering, presented "Staining Techniques for mCT of Microdamage in Bone" at the American Society for Bone and Mineral Research meeting, Bethesda, Md., May 2-3.

**Susan Guise Sheridan**, the O'Neill Associate Professor of Anthropology and Fellow of the Medieval Institute, presented the invited talk "Soldiers, Scholars, Craftsmen, Elites? The Human Remains from Qumran" at the Archaeological Institute of America meeting in Cleveland, May 5; three posters at the 74th American Association of Physical Anthropology meetings in Milwaukee, April 12-14 titled "An Application of Ancient DNA Analysis to an Early Byzantine Monastic Community" (with A. French and F. Kaestle), "Metatarsal Articular Modifications and Kneeling in a Byzantine Monastic Community" (with J. Ullinger, M.E. Kovacic, D.P. VanGerven, and B. DeVries), and "Stable Isotope Analysis of Diet in a Byzantine Monastic Community" (with M. Regan, L. Gregoricka, J. Ullinger, and **Mark Schurr**, associate professor of anthropology); presented "Initial Findings on the Paleomicrobiological Study of 400 Naturally Mummified Human Remains from Upper Nubia" (with M. Spigelman, C.L. Greenblatt, K. Vernon, D.P. Van Gerven, Z. Shaheem, and H.D. Donoghue) at the "Fifth World Congress on Mummy Studies" in Torino, Italy, Sept. 3, 2004; presented "Coproparasitological Studies from Medieval Nubian Mummies" (with I. Zylber, D.P. Van Gerven, C. Greenblatt, and M. Spigelman) in Valencia, Spain, July 19, 2004 at the "IX European Multicollloquium of Parasitology"; presented "Palaeomicrobiology of Naturally Mummified Human Remains from Upper Nubia" (with M. Spigelman, H.D. Donoghue, K. Vernon, Z. Shaheem,

D.P. Van Gerven, and C.L. Greenblatt) in Brisbane, Australia, July 12, 2004 at the "Seventh International Conference on Ancient DNA and Associated Biomolecules"; and presented "Tuberculosis in Naturally Mummified Human Remains from Upper Nubia" with H.D. Donoghue, K. Vernon, Z. Shaheem, and D.P. Van Gerven in Alghero-Sardinia, Italy, on June 28, 2004 at the "25th Congress of the European Society for Mycobacteriology."

**James Sullivan**, assistant professor, Dept. of Economics and Econometrics, presented "Borrowing during Unemployment: Unsecured Debt as a Safety Net" at the Federal Reserve System conference in Washington, DC, April 9.

**Yang Sun**, visiting associate professor of physics, presented "Nuclear Structure Study Extended to the 132Sn Region" at the "JINA International Workshop on r-Process," Univ. of Notre Dame, Jan. 28-29.

**Michael Wiescher**, the Freimann Professor of Physics, presented a seminar on "Nuclear Astrophysics at Notre Dame" at the Institut für Kernchemie, Univ. Mainz, Germany, and again at NCSCCL, Michigan State Univ., in March.

**Eduardo Zambrano**, assistant professor of finance, presented "Unknowable Nash Equilibria" at the "Spring Midwest Economic Theory and International Economics Conference," Vanderbilt Univ., Nashville, April 22-24.

## Publications

**Robert Audi**, the Gallo Professor of Business Ethics, published "Moral Foundations of Liberal Democracy, Secular Reasons, and Liberal Neutrality Toward the Good," *Notre Dame Journal of Law, Ethics, and Public Policy* 19 (spring).

**Matthew J. Barrett**, professor of law, published "The SEC and Accounting, in Part Through the Eyes of Pacioli" as part of the symposium issue titled "The SEC at 70" in *Notre Dame Law Review* 80 (2005): 837-92.

**Subhash Basu**, professor of chemistry and biochemistry, published "Apoptosis of Human Carcinoma Cells in the Presence of Inhibitors or Glycosphingolipid Biosynthesis: I. Treatment of Colo-205 and SKBR3 Cells

with Isomers of PDMP and PPMP" with R. Ma, B. Mikulla, M. Bradley, C. Moulton, M. Basu, S. Banerjee, and J.-I. Inokuchi, *Glycoconjugate Journal* 20 (2004).

**Susan Blum**, associate professor of anthropology, published the following entries in the *Encyclopedia of Contemporary Chinese Culture*, ed. E.L. Davis (London and New York: Routledge, 2005): "Dialects," pp. 147–48; "Ethnic Food," p. 173; "Ethnicity, Concepts of," pp. 175–76; "Ethnography," pp. 176–77; "Han, culture of," pp. 242–43; "Morality," pp. 403–05; "Representations of Minorities," pp. 508–09; "Sino-Tibetan language speakers," p. 553; "Writing reform movements," pp. 662–63; and "Writing system," p. 663.

**Bruce A. Bunker**, chair and professor of physics, published "Local Structure around Chromium Ions in Aqueous Acetate Solutions" with M. Boyanov, K.E. Kemner, and T. Shibata, *Advanced Photon Source Annual Report, 2004*; and "Bimetallic Pt-Ag and Pd-Ag Nanoparticles" with D. Lahiri, et al., *Journal of Applied Physics* 97 (2004): 094304 (8 pp.).

**Tom Cosimano**, professor of finance, published "Solving Asset Pricing Models when the Price-Dividend Function is Analytic," written with O. Calin, Y. Chen, and Alex Himonas, professor of mathematics), *Econometrica* 73, No. 3 (May): 961–82.

**Morton Ring Eskildsen**, assistant professor of physics, published "dHvA Oscillations, Upper Critical Field and the Peak Effect Studies in a Single Crystal of  $\text{LuNi}_2\text{B}_2\text{C}$ " with D. Jaiswal-Nagar, A.D. Thakur, P.C. Canfield, S.M. Yasuf, S. Ramakrishnan, and A.K. Grover, *Physica B* 359–361 (2005): 476–78.

**Thomas P. Fehlner**, associate chair and professor of chemistry and biochemistry, **Alicia M. Beatty**, associate professor of chemistry and biochemistry, and **Bruce C. Noll**, research associate professor of chemistry and biochemistry, published "Insertion of B-X (X=Cl,  $\text{SMe}_2$ ) Moieties into Ruthenaborane Frameworks: Synthesis and Characterization of  $(\eta^5\text{-C}_5\text{Me}_5\text{Ru})_2(\mu\text{-H})\text{B}_4\text{H}_m\text{Cl}_n$ , ( $m, n=4,3; 5,2; 7,2$ ) *closo*-1-( $\text{SMe}_2$ )-2,3- $\eta^5\text{-C}_5\text{Me}_4\text{Ru})_2(\mu\text{-H})\text{B}_5\text{HCl}_3$ , and *closo*-2,3-( $\eta^5\text{-C}_5\text{Me}_5\text{Ru})_2\text{B}_5\text{H}_3\text{Cl}_3$ " with S. Gosh, *Organometallics* 24 (2005): 2473–80.

**Holly Goodson**, assistant professor of chemistry, and **Subhash Basu**, professor of chemistry and biochemistry, published "Apoptosis of Human Breast Carcinoma Cells in the Presence of Disialosyl Gangliosides: II. Treatment of SKBR3 Cells with GD3 and GD1b Gangliosides" with R. Ma, A. Koulov, C. Moulton, M. Basu, and S. Banerjee, *Glycoconjugate Journal* 20 (2004): 310–30.

**Gordon L. Hug**, associate professional specialist in the Radiation Laboratory, published "Photochemistry of 4-(Methylthio)Phenylacetic Acid. Steady-State and Laser Flash Photolysis Studies" with P. Filipak, K. Bobrowski, and B. Marciniak, *Journal of Photochemistry and Photobiology A: Chemistry* 172 (2005): 322–30.

**Charlotte Kroeker**, director of church music initiatives in the Institute for Church Life, served as editor and contributed the introduction (vii–xvi) and a chapter, "Choosing Music for Worship" (191–205), for *Music in Christian Worship: At the Service of the Liturgy* (Collegeville: Liturgical Press, 2005), which book includes essays by **Michael Driscoll**, associate professor of theology.

**J. Parker Ladwig**, assistant librarian, published "Assess the State of Your Strategic Plan," *Library Administration and Management* 19, No. 2 (spring): 90–93.

**Jay A. LaVerne**, professional specialist in the Radiation Laboratory, **Ian C. Carmichael**, director and special professional specialist in the Radiation Laboratory, and **M.S. Araos** published "Radical Production in the Radiolysis of Liquid Pyridine," *J. Phys. Chem. A* 109, No. 3 (2005): 461–65.

**Rudolph M. Navari**, associate dean, College of Science, and director of the Notre Dame Cancer Institute, published "Advances in the Treatment of Chemotherapy-Induced Nausea and Vomiting" in *Hospital Pharmacy Europe* 20 (2005): 37–40.

**Bruce C. Noll**, research associate professor of chemistry and biochemistry, and **Thomas P. Fehlner**, associate chair and professor of chemistry and biochemistry, published "Cooperative Metal-Boron Interactions in the Reaction of *nido*-1,2( $\text{Cp}^*\text{RuH}$ ) $_2\text{B}_3\text{H}_7$ ,  $\text{Cp}^* = \eta^5\text{-C}_5\text{Me}_5$ , with  $\text{HC}\equiv\text{CPh}$ " with Y. Yan, *Journal of American Chemical Society* 127 (2005): 4831–44; and "Synthesis and

Characterization of [*exo*- $\text{BH}_2(\text{Cp}^*\text{M})_2\text{B}_9\text{H}_{14}]$  ( $\text{M}=\text{Ru}, \text{Re}$ ), and the Conversion of the Ruthenaborane into  $(\text{Cp}^*\text{Ru}_2\text{B}_{10})\text{H}_{16}]$  with an Open Cluster Framework Based on a Capped Truncated Tetrahedron" with S. Ghosh, *Angewandte Chemie International Edition* 44 (2005): 2916–18.

**John O'Callaghan's** *Thomist Realism and the Linguistic Turn: Toward a More Perfect Form of Existence* (Univ. of Notre Dame Press, 2003) is reviewed by K. White in *Nova et Vetera* 3, No. 2 (Spring): 414–21.

**Joseph M. Powers**, associate professor of aerospace and mechanical engineering, cowrote "Accurate Spatial Resolution Estimates for Reactive Supersonic Flow with Detailed Chemistry" with **Samuel Paolucci**, professor of aerospace and mechanical engineering, *AIAA Journal* 43, No. 5 (May): 1088–99.

**Valerie Sayers**, professor of English, published "Sleepwalk" in *Ploughshares* 31, No. 1 (spring); "The Age of Medicine" in *Sycamore Review* 17, No. 1 (winter/spring); a review of *Gilead* by M. Robinson, *Commonweal* (Feb. 11); a review of *American Ghosts* by D. Plante, *ibid.* (Jan. 28); and a review of *Hannah Coulter* by W. Berry, *Washington Post Book World* (Dec. 19, 2004).

**W. Robert Scheidt**, the Warren Professor of Chemistry and Biochemistry, published "Electronic Configuration Assignment and the Importance of Low-Lying Excited States in High-Spin Imidazole-Ligated Iron (II) Porphyrinates" with C. Hu, A. Roth, M.K. Ellison, J. An, and C.M. Ellis, *Journal of the American Chemical Society* 127 (2005): 5675–88.

**Robert Schmuhl**, professor of American studies and director of the Gallivan Program in Journalism, Ethics and Democracy, published "Next Election May Be the First in 56 Years Without Incumbent" in the *Chicago Sun-Times* (Dec. 10, 2004): 57, which was republished on the website "Oval Office 2008" on March 28; published "A Look at the New World" in *Notre Dame Magazine* (winter): 88–90; and published (with R.G. Picard) "The Marketplace of Ideas" in *The Press*, eds. G. Overholser and K. Hall Jamieson (Oxford and New York: Oxford Univ. Press, 2005): 141–55.

**Thomas L. Shaffer**, the Short Professor of Law Emeritus, published two poems, "In the Mountain" and "Green Eggheads and

Old Hams: An Academic Variation of Professor Seuss," *The Legal Studies Forum* 29, No. 1 (2005).

Susan Guise Sheridan, the O'Neill Associate Professor of Anthropology and Fellow of the Medieval Institute, published "A Reconsideration of the French Qumran Collection" with J. Ullinger in *Qumran—The Site of the Dead Sea Scrolls: Archaeological Interpretations and Debate*, eds. K. Galor and J. Zangenberg (Brill Publishers, 2005): 135–48.

Andrew J. Sommese, the Duncan Professor of Mathematics, and Charles W. Wampler, adjunct professor of mathematics, published *The Numerical Solution of Systems of Polynomials Arising in Engineering and Science* (Singapore: World Scientific Press, 2005) 401+xxii pp.; and, with J. Verschelde, published "Homotopies for Intersecting Solution Components of Polynomial Systems," *SIAM Journal on Numerical Analysis* 42, No. 4 (2004): 1552–71.

Kevin M. White, director of athletics and concurrent associate professor of management, published "Standards Have Become Demanding for All," *The NCAA News*, April 11.

Michael Wiescher, the Freimann Professor of Physics, published "Experimental Challenges in Nuclear Astrophysics" in *Nuclear Physics A* 751 (2005): 285–300c; "The Data Acquisition System of the Neutron Time-of-Flight Facility n\_TOF at CERN" with U. Abbondanno, et al., *Nuclear Instruments and Methods in Physics Research A* 538 (2005): 692–702; and "Time-Energy Relation of the n\_TOF Neutron Beam: Energy Standards Revisited" with G. Lorusso, et al., *ibid.* 532 (2004): 622–30.

# Administrators' Notes

## Honors

Alan Bigger, director of Building Services was elected for a second term as the vice president for Professional Affairs for the Association of Higher Education Facilities Officers.

# Documentation

## University Committee on Women Faculty and Students

March 29, 2005

**Members present:** Katherine Spiess (chair), Patricia Bellia, Susan Blum, Belinda Byrne, Victor Deupi, Liz Dube, Rev. Patrick Gaffney, C.S.C., Mary Louise Gude, C.S.C., Jean Ann Linney, Mary Ann McDowell, Salma Saddawi, Lizzi Shappell

**Members absent:** Mayra Gomez, Susan Harris, Sarah MacMillen, Agnes Ostafin, Gretchen Reydam-Schils

**Guests present:** Jill Bodensteiner, associate vice president and counsel; Jannifer Crittendon, director, Office of Institutional Equity; Heather Rakoczy, director, Gender Relations Center; Teresa Sexton, intern, Gender Relations Center.

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

Prof. Spiess, chair of the University Committee on Women Faculty and Students, called the meeting to order at 1:00 p.m.

**1. Minutes of the meeting of February 2005:** Prof. Linney offered a correction to the minutes of the meeting of February 25, 2005. Members decided to circulate her draft paragraph by e-mail and to defer approval of this set of minutes. Prof. Spiess

announced that minutes from the December and January meetings had been approved by an e-mail vote.

**2. Introduction of Jannifer Crittendon, new director of Institutional Equity:** Ms. Bodensteiner introduced Jannifer Crittendon, who was recently appointed director of the University's Office of Institutional Equity. Along with Ava Preacher, assistant dean of Arts and Letters, and Heather Rakoczy, director of the Gender Relations Center, Ms. Crittendon will be a "permanent invited guest" of the Committee.

**3. Thank you to Jill Bodensteiner:** Prof. Spiess thanked Ms. Bodensteiner for her hard work on behalf of the Committee while serving as interim director of Notre Dame's Office of Institutional Equity this past year. She noted in particular her leadership in producing a video for faculty on what constitutes sexual harassment. (The film will begin to be shown in the Fall 2005 semester).

**4. Temporary medical leave policy for graduate students:** Prof. McDowell, Ms. Byrne, and Ms. Bodensteiner have worked this year on formulating a six-week medical leave policy for graduate students that would include, for female graduate students, leave after childbirth. At today's meeting, they circulated a draft policy that will be brought to the next meeting of the Graduate Council for discussion and a vote. The proposed policy provides that during

a period of temporary medical leave for a "serious medical condition," the student will receive a stipend equal to his or her normal stipend, which will be paid by the Graduate School or by external funding, if applicable. The policy also provides that students will be considered "continuously enrolled" during leave, that teaching assistant/research assistant duties will cease at least during the medical leave, and that time spent on leave will count towards the student's degree time-limit. Ms. Byrne explained that if a student requires a longer leave (of one semester or more), he or she can request a leave of absence without funding through the Graduate School leave of absence policy.

**5. Discussion with the Reverend John Jenkins, C.S.C., University president-elect:** At the Committee's invitation, the Reverend John Jenkins, C.S.C. attended today's meeting to discuss members' concerns about issues of importance to Notre Dame's women faculty and students.

Fr. Jenkins noted that he was a member of the first Notre Dame class that included women. He said that while he has witnessed many positive changes since that time, there is still much to be done to make the University a better place for women. In his year as president-elect, he is not making policy statements or proposing grand initiatives; rather, he is meeting with and listening to the concerns of many at the University in an effort to discern how best to go forward in a number of areas. Thus, he asked Committee members what they believe to be the most pressing issues at the University in regard to women.

*(a) Retention of women faculty members:* One member answered that she believes retention of women faculty members to be one of these pressing issues. In particular, she has concerns with how the University responds to outside offers and wonders if there is a general direction or strategy in such cases.

Other members agreed that retention of women faculty members—both senior and junior faculty—is an issue. They said that it is demoralizing to women faculty when one of their number leave. Other women wonder about the circumstances that led to a decision to take a position elsewhere. It was pointed out that whatever the actual

statistics, there is the perception on the part of many faculty members at Notre Dame that women faculty leave the University at a rate higher than men.

A member said that she believes the University could be more proactive in regard to retaining women faculty, particularly senior women faculty. Rather than waiting until the time an outside offer is made, there is much department chairs and administrators can do to make themselves aware of and respond to circumstances, both institutional and personal, that may make a particular faculty member unhappy or receptive to an outside offer. Another member noted that at times, even a small gesture can go a long way to making a faculty member feel that she is a valued member of a department or the University community.

Regarding retention and promotion of junior faculty women, several members said that there is a need for more mentoring of both men and women junior faculty. One issue in this area, particularly in regard to women faculty, is the number and kind of service obligations they are asked to undertake—obligations that may stand in the way of the research and writing that is so critical in tenure decisions. One Committee member is constructing a list of suggestions for an ongoing series of monthly workshops that would benefit both men and women junior faculty—on topics ranging from teaching methods to responsibilities of being an academician to how to develop teaching and research portfolios.

A member suggested that the University should display a willingness to expose some of its problem areas and, through exit interviews and other means, identify the circumstances that led to a decision by a woman faculty member to leave Notre Dame. Others suggested that on-going surveys and interviews of the faculty would be helpful—including interviews with women faculty members who decided to remain at Notre Dame despite attractive offers elsewhere.

That comment led to a discussion of ways the University should advertise its many aspects and programs that are positive for women faculty and that work to improve the general climate at the University. Members mentioned that more Notre Dame Web page features such as the recent story

on women's leadership roles in the physics department would do much to spread awareness of and build confidence in the positive aspects of women's experiences at Notre Dame. Other good stories to highlight would be programs/initiatives at the University such as Gender Studies, the Provost's Distinguished Women's Lecture Series, or the soon-to-be-released sexual harassment video. In sum, members suggested, the University should do more to "market" itself as a good place for women faculty members.

Finally, members pointed out that University initiatives to give South Bend more of a "college town" character and various "family-friendly" initiatives are important to retention of all faculty members.

*(b) Hiring of women faculty:* Members also raised the topic of hiring practices and how they affect the number of women faculty at Notre Dame. One member said that the University must be more strategic in hiring women and members of underrepresented minorities; it is critical that the University move beyond giving lip service to efforts in this area. In addition to imposing real checks and accountability on how departmental CAPS conduct their searches, there should be more sharing of best practices from other universities—such as the University of Michigan's workshops on reading a curriculum vitae in a gender/race-blind way.

Another member said that some departments have unacceptably low numbers of women faculty, which, in addition to its impact on other women faculty, negatively affects women students.

Finally, members said that attention to formulating a spousal employment policy and increasing the number of endowed chairs held by women would work to increase the number of women faculty at Notre Dame.

*(c) Climate of the University for women faculty and students:* Throughout the discussion, members discussed various issues of "climate" that affect women faculty and students. One member said that the perception still exists among many that Notre Dame is a male-dominated institution. Another said that this perception is shaped by continued instances of some at the University greeting offensive or even illegal behavior



ior with an attitude of "boys will be boys." That attitude creates a climate in which women can feel uncomfortable about their place in the University community.

Several members said that it often seems that relations between men and women students are not what many students, faculty, and administrators would hope them to be. Unhealthy gender relations can be manifested in a number of ways—in particular, several members mentioned two occurrences: First, posters promoting events relating to healthy gender relations are frequently torn down in the residence halls; second, various editions of the residence halls' "stall notes" contain content that is demeaning to women. Members said that the content of these informal newspapers is made even more disturbing by the knowledge that they must be approved for posting by a rector.

Relating to treatment of both women faculty and students, members said that much needs to be done to make male faculty members aware that the current University climate is not viewed by many women to be supportive or welcoming. Well-publicized backing of the soon-to-be-released video on sexual harassment by the offices of the president and provost can send a strong message that certain behavior and comments are unacceptable.

(d) *Health benefits for women:* Prof. McDowell, who heads the UCWFS subcommittee on gender equity in health benefits, said that there is a need for Fr. Jenkins' administration to address the issue of equity in reproductive health. Her research has revealed that other Catholic colleges and universities provide more extensive coverage in this area than does Notre Dame. In particular, they include insurance coverage for fertility treatments and contraception. She noted that not all women faculty at the University are Catholic and that fertility is an issue for many women faculty members, who may defer childbirth until they become more established in their field.

There being no further business, Prof. Spiess thanked Fr. Jenkins for attending today's meeting and adjourned the meeting at 2:30 p.m.

## Faculty Board on Athletics

March 17, 2005

**Members Present:** Prof. Fernand Dutile (Chair); Prof. Patricia Bellia; Prof. Eileen Botting; Mr. Bobby Brown; Prof. Umesh Garg; Mr. Patrick Holmes; (Rev.) Peter Jarret, C.S.C.; Prof. Donald Pope-Davis; Prof. F. Clark Power; Prof. John Weber.

**Members Absent:** Prof. Harvey Bender; Prof. Stephen Fallon; Prof. David Kirkner; (Rev.) Mark Poorman, C.S.C.; Dr. Kevin White.

**Observers Present:** Ms. Missy Conboy and Mr. Bernard Muir of the Department of Athletics; Ms. Kitty Hoye, recorder.

1. **Call to order and prayer:** The Chair called the group to order at 5:05 p.m. Father Jarret led the group in prayer.

2. **Minutes of Previous Meeting:** Prof. Power seconded Prof. Weber's motion to approve the minutes of February 22, 2005. The motion carried unanimously.

3. **Announcements:** The Chair introduced to the Board Prof. Patricia Bellia, whom the Law School faculty has elected to fill the term of Prof. William Kelley. Prof. Kelley has taken a leave of absence from the University to serve as deputy counsel to the President of the United States.

The Chair announced that he has approved, on the Board's behalf, the fall 2005 schedule for women's soccer. The Chair noted that the schedule called for four missed-class days in the Monday-Wednesday-Friday sequence, a feature specifically and separately approved by the Board in its e-mail vote of February 8, 2005. That schedule does not call for any missed-class days in the Tuesday-Thursday sequence. The Chair has approved an amendment to the softball schedule for spring 2005: The April 14 game against the University of Illinois at Chicago will be played away, rather than at home; the April 27 away game against that university has been cancelled. The Chair has approved the spring 2005 schedule for volleyball. The Chair also has approved an additional class-miss day (March 13, 2005) for women's golf, made necessary when the team missed a connecting flight.

The Chair informed the Board that he has approved, again on its behalf, spring 2005 captains for women's lacrosse (Jess Mikula, Carol Dixon, and Lindsay Shaffer).

At this point, the Board ratified these decisions of the Chair.

The Chair announced to the Board that he had met with both Mr. Boo Corrigan, administrator for baseball, and baseball head-coach Paul Mainieri to discuss a proposal wending its way through the Big East Conference. Currently, the typical Big East baseball weekend involves a double-header on Saturday and a single game on Sunday. The Conference requires that any rained-out game on Sunday be made up on Monday. Under the proposal, the typical weekend would involve single games on Friday, Saturday, and Sunday. The rationale underlying this change: This would allow all games to be nine-inning events, which apparently garner more credit than seven-inning ones by tournament-selection committees. Also, the move would bring the Big East into conformity with other major conferences on this issue. At that meeting, the Chair indicated his strong negative reaction to the proposal. Implementation would bring serious, if not fatal, consequences to Notre Dame's class-miss policy for baseball and, inevitably, other sports as well. Without purporting to speak for the Board, the Chair did hazard the view that Board members would prove equally negative. Once told of the proposal, the Chair alerted other faculty athletics representatives of the Big East, none of whom had yet been informed of the impending change. That change was then discussed at a meeting of these "faculty reps" in New York City on March 9. At that meeting, a subcommittee was appointed to deal with this issue, a subcommittee on which the Chair of the Faculty Board serves.

The Chair announced that henceforth Big East university presidents will meet at least annually with faculty athletics representatives. The Chair voiced his hope that such meetings might help preclude the enactment of academically charged changes without the knowledge of faculty athletics representatives.

The Chair informed the Board that the faculty athletics representatives of NCAA Division I-A have now formally become a

separate organization. In April, the executive committee of that group (on which the Chair of the Faculty Board sits) will meet in San Antonio with the executive committee of the Faculty Athletics Representatives Association (on which the Chair of the Faculty Board also sits). The two executive committees will explore how their parent organizations might work together.

**4. Byron V. Kanaley Awards:** Prof. Weber, on behalf of the subcommittee on academic integrity, brought to the Board the subcommittee's recommendations with regard to the Byron V. Kanaley Award. Named after a 1904 graduate of the University, the Award honors "senior monogram winners deemed most exemplary as student-athletes and as leaders." Each spring, the Faculty Board invites every head coach to nominate for the Award that member of the team who best qualifies. Multiple awards may be made in any year.

Prior to today's meeting, the subcommittee on academic integrity, along with the Chair of the Faculty Board and Prof. Garg, who chairs the subcommittee on student welfare, met to discuss the nominations submitted by head coaches. Of the ten nominees, the subcommittee agreed to recommend to the Board the following three student-athletes: Brent D'Amico (men's tennis); Alicja Kryczalo (women's fencing); and Emily Loomis (volleyball). Prof. Weber moved that these three be awarded the Byron V. Kanaley Award for 2005. Prof. Garg seconded that motion. Prof. Pope-Davis asked whether honoring more than one student-athlete created the risk of diluting the Award's prestige. Prof. Weber noted that the FBA Manual provides for "multiple awards" in any given year. The Chair added that no fewer than three such awards have been made in any of the last five years. [For privacy reasons and pursuant to the custom of the Faculty Board on Athletics, the ensuing discussion of individual student-athletes has been excised from these public minutes.] The motion to approve Brent D'Amico, Alicja Kryczalo, and Emily Loomis as 2005 winners of the Byron V. Kanaley Award passed unanimously.

**5. Applications for a Fifth Year of Eligibility:** On behalf of the subcommittee for academic integrity, Prof. Weber brought to the Board the petitions for a fifth year of eligibility submitted by the

following twelve student-athletes: Brian Beidatsch (football); Candace Chapman (women's soccer); Rebecca Chimahusky (women's fencing); D.J. Fitzpatrick (football); Brandon Hoyte (football); Mark LeVoir (football); Corey Mays (football); Sean O'Donnell (men's track); Rashon Powers-Neal (football); Randi Scheller (women's soccer); Matt Shelton (football); and Dan Stevenson (football). Prof. Weber reminded the Board of its continuing emphasis on "academic engagement" in passing on the appropriateness of such applications. Many of the problems raised by the fifth year of eligibility had been connected with the tenth semester for football players, most of whom during that semester focus on training for a professional career. Happily, the department of athletics has adopted a new program enabling football players in that situation to return as departmental interns (and therefore employees), rather than as students. Prof. Weber noted the outstanding work done by Mr. Holmes and his staff at the Office of Academic Services for Student-Athletes. During the past two years, student-athletes in their fifth year have maintained a grade-point average substantially the same as during their first four years. This certainly had not always been the case. Prof. Weber also credited Prof. Pope-Davis and his staff in working with student-athletes as they enter graduate programs. (In their fifth year, student-athletes fall into one of three categories: students completing their undergraduate degree; students in a graduate program; or unclassified graduate students). In assessing applications, Prof. Weber continued, the subcommittee looks not only at the student's seriousness in the past, but also at the reasonableness of assuming such seriousness in the future. Both Mr. Holmes and Prof. Pope-Davis monitor the academic progress of such students very closely. Prof. Weber called the current group of applicants the "best overall" the subcommittee has yet seen. None of them presents a prospective academic problem. Some of this seems due to the refinements introduced into the application form for a fifth year of eligibility. The information newly sought provides additional perspectives. He was, he noted, impressed and pleased with the tone, trend, and seriousness that both coaches and students brought to the application process. Mr. Holmes predicted that the Board

would receive four more such applications, these from student-athletes participating in spring sports. Prof. Botting worried about those fifth-year petitioners carrying a grade-point average below 3.0. Nonetheless, she observed that a very thorough job is obviously being done with such student-athletes. The process reflects a lot of work, and Mr. Holmes, his staff, and Prof. Pope-Davis should indeed be applauded for it. Prof. Pope-Davis stressed that he meets with each student-athlete entering a graduate program to review course requirements. In such meetings, he also addresses expectations: to attend classes, to meet required deadlines, and the like. During the fall he reviews the records of "fifth years" to ensure that they maintain the approved schedule. He emphasized that "academic engagement" leaves much room for enrichment courses such as music. Prof. Weber added that the process forces student-athletes to take their fifth year more seriously. A few years ago, petitioners for a fifth year would simply have paged through a catalog to come up with some schedule, however optimal. The new seriousness also accounts for the improved performance. Prof. Bellia urged, in response to a request for suggestions regarding the application form, that the courses listed also carry the number of credits involved. Prof. Pope-Davis seconded Prof. Weber's motion that the applications for a fifth year of eligibility filed on behalf of the students named above be approved. That motion passed unanimously.

**6. Reports from Subcommittee Chairs:** Prof. Garg, who chairs the subcommittee on student welfare, mentioned issues raised by student-athletes at a recent meeting of the Student Athlete Advisory Council. Currently, student-athletes receiving an athletics grant-in-aid may live off campus only during their senior year and only if they meet specified grade-point-average requirements. Student-athletes would like this privilege extended to juniors. Second, many student-athletes want the University to offer chiropractic/massage therapies as alternatives to traditional treatments. Ms. Conboy informed the Board that the department of athletics is conducting a study of physical-training operations at other universities. As it turns out, chiropractic care can be as effective as orthopedic care, and Dr. James Moriarity, chief of medicine



at the Student Health Center, has now given his blessing to moving forward on this. So far, though, that plan does not include massage therapy. A third issue, Prof. Garg continued, relates to study space for student-athletes and limitations (for example, the prohibition of all beverages) related to the use of current facilities. Mr. Holmes said that the space problem has been addressed; we now have additional space for structured study and tutoring in DeBartolo Hall. With regard to beverages, however, we cannot allow them because of the risk presented to our computers. Prof. Garg mentioned a fourth issue, complaints from faculty regarding a picture appearing in *The Observer*. That picture depicted varsity soccer players dressed "in drag," and in what could be seen as an initiation rite. The Chair of the Faculty Board observed that he had met with both Mr. Muir and Ms. Conboy regarding this issue; both had assured the Chair that such rites will not recur. Ms. Conboy added that the department will include in its programming additional information concerning initiation rites or potential hazing. After all, even if student-athletes "consent" to such things, the presence of any pressure whatever makes the practice hazing. Moreover, such activities can turn into dangerous events. The Chair added that duLac, Notre Dame's student handbook, itself contains provisions addressing initiation-related behavior. Finally, Prof. Garg said, some student-athletes have raised concerns with regard to religious services for non-Catholics. More specifically, does Notre Dame provide sufficient access to non-Catholic worship services for student-athletes traveling with their teams? Another concern relates to pre-game Masses; is there undue pressure on non-Catholics to attend? Is that pressure a problem? Father Jarret stated that the entire issue warrants re-visiting. How are we serving our student-athletes? Should we offer a non-Catholic prayer service on campus? That is a very difficult and complex issue. Ms. Conboy noted that the pre-game Mass, at least for football, is a team event listed on the schedule; student-athletes must go. The Chair noted his understanding that in at least one instance a Muslim football player had been excused from the Mass. Even being excused, Prof. Garg added, implicates the desire not to be singled out. Ms. Conboy stressed that the sermons at

such Masses resemble pep talks; often the priest will address things like "challenges" and "struggles"—things to which everyone can relate. At Communion time, even non-Catholics are invited to come forward to receive a special blessing. This represents an attempt to make the Mass more inclusive. When a chaplain has not been available to travel with a team, the focus has usually been on making sure that Mass remains available. The Chair: What sports, besides football, have pre-game Mass? Father Jarret: Basketball and sometimes swimming. Ms. Conboy informed the Board that former director of athletics Michael Wadsworth initiated the policy under which any team that wanted a pre-game Mass could have it. Accordingly, the issue has been left up to the respective head coach. Prof. Garg emphasized that the pre-game Mass was not the issue raised at the meeting of the Student-Athlete Advisory Council. Nonetheless, Prof. Pope-Davis replied, student-athletes have brought such matters to the subcommittee on academic integrity. In light of the concern of the Board of Trustees with regard to the drop in our Catholic enrollment, Prof. Weber offered, this may not be a great time to discuss institutionalizing non-Catholic endeavors. The Chair suggested that the subcommittee on student welfare return to the Student-Athlete Advisory Committee with a request that its members poll their teammates on this issue and provide "feedback" to the Board. Ms. Conboy: We could also incorporate the issue into our exit interviews. Mr. Brown, a former member of the football team, stressed that he had never felt isolated by the pre-game Mass. He always thought of it as a "team concept"; although we are all different, we come together as a team and leave as one. When he came to Notre Dame, he continued, he understood that the University was a Catholic University with a "capital C;" he knew what he was "buying into." He never felt a conflict; the team didn't compete on Sundays and he was able to worship as he wished. Moreover, as far as the football team was involved, players were told that they did not have to attend the pre-game Mass if they had any objections. Although his attitude may have differed from those of others, he went to the pre-game Mass because of the fellowship involved. Nonetheless, allowing non-Catholics to come forward for a blessing might

actually present a greater problem for some; not coming forward for the blessing could single one out even more. Student-athletes encouraged to come forward to get a blessing might feel more isolated. In reply to a question from Mr. Holmes, Mr. Brown conceded that perhaps his experience at a Catholic high school tempered his attitude. His mother, he added, represented a strong influence in his life, and he accordingly never questioned his faith. Mr. Holmes: The feedback I have received from student-athletes suggests that the issue relates more to the availability of alternative worship on Sundays, while student-athletes are at home, than to the pre-game Mass. Prof. Weber insisted that issue should be handled by Campus Ministry, not the Faculty Board on Athletics; it's a University-wide issue. Ms. Conboy: Perhaps we should bring this issue up at the April coaches' meeting as well, and get feedback from them. The discussion concluded with the Chair noting that both Prof. Garg and Ms. Conboy would pursue these important questions.

At this point, Board members discussed whether an untoward number of class misses occurred for students taking part in more than one sport. A related problem involves sports that straddle both semesters; such student-athletes may receive excused class misses for each semester. Finally, did the fact that track gets treated as three separate sports (cross-country, indoor track, and outdoor track) implicate this worry? On all of these points, the Chair agreed to monitor team schedules over the coming year to ascertain whether, in fact, a real problem manifests itself.

At this point, Prof. Power raised his concern with regard to student-athlete injury. Having noticed that some recommendations in connection with the Byron V. Kanaley Award stressed that the student-athlete had never missed a practice or a game because of injury, Prof. Power wondered whether student-athletes were pressured to practice despite injury. Should we have some provision regarding this? Should the team doctor or trainer have a role? Ms. Conboy: Indeed, the trainer has the last word. That said, we must understand that each student-athlete differs; each deals with pain differently. The Chair: Dr. Moriarity did address the Board some time ago regarding this issue; on that occasion he emphasized that coaches put

no pressure whatever on the medical staff with regard to student-athletes' fitness to play; that remains a medical decision. Ms. Conboy: Nonetheless, we could include a question on this in the student-athlete's "exit interview." Prof. Botting: At the same time, we might also inquire into any possible physical or mental stress involved in the desire to meet demands. In my experience, these athletes, who are often stunning students, operate under great pressure.

The Chair adjourned the meeting at 7:00 p.m.

## University Council for Academic Technologies

February 11, 2005

**Present:** Mark Alber, Chris Clark (for Alex Hahn), Al DeFrees, Rob Easley, Roger Jacobs, Tom Laughner, Dan Marmion, Bill McDonald, Harold Pace, Carole Pilkinton, Mark Schurr, Harold Pace, Robert Stevenson, John Uhan, Olaf Weist, Gordon Wishon.

**Guests:** Shiree Moreland, Jim Cope.

**Absent:** Molly Gordon, Richard Gray, Michael Kirsch, Liz Loo, Dmitriy Orlov

1. The meeting was called to order at 9:30 am.

2. The minutes of the January 10 meeting were approved.

3. Committee and Project Updates

### a. UATTC

Shiree Moreland updated the group on the progress of the University Academic Technical Training Committee (UATTC).

- i. The mission and goals have been established. The primary goals are to expand fluency with and utilization of information resources and enhance information technology skills at Notre Dame.
- ii. Series of meetings scheduled for spring semester
- iii. Search for clarification on question about reporting structure for UATTC. Gordon Wishon

responded that all recommendations will be reviewed by the full UCAT committee.

### b. Rethinking Learning Spaces

Mark Schurr reported that the OIT will draft a document on classroom standards. The Learning Spaces committee will review document.

An open house for refurbished classrooms will be scheduled.

### c. DeBartolo Upgrade Project

Tom Laughner provided an update on progress of the DeBartolo Upgrade project:

- i. Faculty are providing positive feedback on the rooms that have been upgraded.
  - ii. ETS is currently upgrading one classroom a week through April 21, with four scheduled for Spring Break (will have 37 classrooms upgraded by April 21).
  - iii. ETS is creating charts that will illustrate an overall decrease in support calls to Crestron classrooms.
  - iv. The audio systems in classrooms are also being upgraded.
    - a. An indication that the "one size fits all" model is changing, Dolby 5.1 will be installed in at least two classrooms to meet the needs of FTT.
  - v. Telephones are being relocated to be close to the traditional location of the lectern
  - vi. Staff are exploring whether screens can be moved away from chalkboards in some of the classrooms.
- ### d. Course Management System
- Rob Easley informed the group that preparations for the summer rollout are well under way. The CMS committee is working through policy issues related to multi-section courses, enrolling students in sections, and adding TAs. Further work on SCT integration will be done over the summer.
- ### e. Software Subcommittee
- Olaf Wiest reports that the software subcommittee has met twice. Craig

Fitch put together a list of software that is currently licensed by OIT and University. Preliminary count comes to \$2.3 million in software (against a budget of \$1.3 million). There are 134 pieces of software. Only 53 of the titles are academic. A lot of the academic software is free or relatively low cost.

Getting the current budget down may not be feasible. It may need to be approached by recommending an increase in budget.

*Policy.* A system may be needed where the colleges determine software needs. If something is college-specific, it would automatically go to that level. Budget issues then need to be talked about. Requests would come to the software committee, where a determination would be made about where it belongs.

A mechanism is needed to assure that duplication of effort does not occur. UCAT might help in communication between the colleges. Not everything that is funded by OIT needs to be fully supported by OIT.

Bill McDonald stated that he is not sure what the committee can do. If there's no money, the answer is clear. Gordon Wishon responded that he is not yet convinced that there is a budget problem. All previous discussions have asserted that it's not a budget problem. Olaf Wiest stated that all preliminary numbers came from OIT.

Bill McDonald responded that we should not be bound by these numbers. The culture needs to be changed to assume that the department is going to pay for the software.

### f. SFIS Steering Committee

Harold Pace reports that Go-Live for SFIS is occurring. Admissions went live in September. Financial Aid went live last week. As systems go live, staffs have to relearn how to enter data, which slows things down. Course catalog and schedule building went live in December. Fall and summer course schedules are being built in the new system.

There are opportunities to display syllabus information as part of the new product. There are concerns about tying a syllabus to a course, so process issues need to be Live with everything but registration. March go live for summer; April go live for fall.

Registrar is operating in both systems to make sure that what is currently happening is being supported while preparing for new system. The process of certification for graduation is in the old system, but address changes have to be made in both systems.

InsideND went live for students on Monday. If students hit "degree audit" it goes to the old system. In June, hitting "degree audit" will go to the new system. InsideND will be used for grading starting in the summer. Because of functionality in InsideND, InsideND will become people's primary home page.

Gordon Wishon stated that we are about eighteen months away from completion. HR/Payroll system is the last component to be implemented. Group is just getting started.

#### **4. Presentation and Discussion**

Jim Cope spoke to the group on OIT's Communication Strategies and Methods. He spoke of OIT's work on consistent branding and presented his "Connections" theme for future work.

#### **5. Research Subcommittee of UCAT**

Gordon Wishon informed the group that the Committee on Technical Computing (CTC) will be disbanded in favor of a new research subcommittee. The subcommittee will be a UCAT subcommittee.

#### **Upcoming Meetings:**

9:00–10:30 Tuesday, March 15 (Notre Dame Room, LaFortune)

3:30–5:00 Thursday, April 14 (117 DeBar-  
tolo Hall)

10:00–11:30 Wednesday, May 11 (Giovannini Commons or 306 Hammes-Mowbray)

# Research

## Awards and Proposal Summary

04/01/2005 to 04/30/2005

### Awards Received

Category	No.	Amount
Research	44	\$5,874,564
Instructional Programs	1	\$401,643
<b>Total:</b>	<b>45</b>	<b>\$6,276,207</b>

### Proposals Submitted

Category	No.	Amount
Research	59	\$8,882,997
Instructional Programs	4	\$423,501
<b>Total:</b>	<b>63</b>	<b>\$9,306,498</b>

## **April 2005 Cumulative summary**

### **Awards Received**

	07.01.2002 - 04.30.2003		07.01.2003 - 04.30.2004		07.01.2004 - 04.30.2005	
Category	No.	Amount	No.	Amount	No.	Amount
Research	294	\$51,529,035	310	\$50,578,730	303	\$58,729,198
Facilities and Equipment						
Instructional Programs	10	\$1,333,710	8	\$1,166,443	3	\$445,643
Other Programs			1	\$62,500		
Service Programs						
<b>Total:</b>	<b>304</b>	<b>\$52,862,745</b>	<b>319</b>	<b>\$51,807,673</b>	<b>306</b>	<b>\$59,174,841</b>

### **Proposals Submitted**

	07.01.2002 - 04.30.2003		07.01.2003 - 04.30.2004		07.01.2004 - 04.30.2005	
Category	No.	Amount	No.	Amount	No.	Amount
Research	498	\$134,452,182	619	\$220,903,248	658	\$185,912,867
Facilities and Equipment						
Instructional Programs	8	\$3,278,078	6	\$491,350	18	\$3,379,304
Other Programs						
Service Programs						
<b>Total:</b>	<b>506</b>	<b>\$137,730,260</b>	<b>625</b>	<b>\$221,394,598</b>	<b>676</b>	<b>\$189,292,171</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 Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C. (Center or Institute)	Plasma Assisted Aerodynamic Control System for Munition Maneuvering	Corporate Funding	\$260,000	24
Corke, Thomas C. Fay, Patrick J. (Center or Institute)	High-Bandwidth High-Resolution Plasma Sensor for Hypersonic Flow Measurements: Phase II Proposal	Corporate Funding	\$210,000	24
Jumper, Eric J. Goodwine, John W. (Center or Institute) Corke, Thomas C.	Adaptive Optics for Turbulent Shear Layers	Department of the Air Force	\$200,000	36
Morris, Scott C. Corke, Thomas C. (Center or Institute)	Tip-Clearance Control Using Blade Mounted Plasma Actuators	Department of the Air Force	\$142,000	34
Morris, Scott C. (Center or Institute)	Scanning Laser Vibrometer for Fluid-Structure Interactions and Acoustics	Department of Navy	\$195,310	12
Morris, Scott C. (Center or Institute)	Experiments in Sound and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems	Department of Navy	\$50,000	36
<b>Department or Office:</b>	Biological Sciences			
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$5,611	36
Schorey, Jeffrey S. (Center or Institute)	M. Avium Gpls in Macrophage Activation Health and Virulence	National Institutes of Health	\$302,804	48

**Awards received during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Vaughan, Kevin T (Center or Institute)	Regulation of Cytoplasmic Dynein Targeting	National Institutes of Health	\$228,690	24
Vaughan, Kevin T. (Center or Institute)	The Microtubule Binding Activity of Dynactin and Search-Capture	Private Foundation	\$668,000	48
Whaley, Michelle A. Boyd, Sunny K.	REU Site in Integrative Cellular and Molecular Biology	National Science Foundation	\$18,000	12
<b>Department or Office:</b>	Chemical Engineering			
McCready, Mark J.	Fundamental Studies on Two-Phase Gas-Liquid Flows Through Packed-Beds in Microgravity	National Aeronautics and Space Administration	\$45,999	46
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Chang, Hsueh-Chia (Center or Institute)	Faradaic Micro-Fluidic Devices for Complex Fluids	National Science Foundation	\$100,000	24
Maginn, Edward J.	Strategic Design and Optimization of Inorganic Sorbents for Cesium, Strontium and Actinides	Department of Energy	\$171,336	36
McCready, Mark J. (Center or Institute)	Determination of Gravity Independence for Two-Phase Gas-Liquid Flows through Conduits	National Aeronautics and Space Administration	\$61,997	45
<b>Department or Office:</b>	Chemistry and Biochemistry			
Baker, Brian M.	Structure and Thermodynamically Guided Design of Improved Cancer Vaccines	American Cancer Society	\$720,000	48



**Awards received during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Jacobs, Dennis C	MURI Center for Materials Chemistry in the Space Environment	University of Chicago	\$120,859	55
Lieberman, Marya Ovaert, Timothy C.	Investigation of Diesel Lacquers	Corporate Funding	\$38,303	36
Miller, Marvin J.	Bioactive Compounds From Acylnitroso Cycloadducts	National Institutes of Health	\$294,030	47
Ploplis, Victoria A. (Center or Institute)	Pathological Consequences of the Plasminogen System	National Institutes of Health	\$300,000	36
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Burns, Peter C.	Impact of Uranyl Alteration Phases of Spent Fuel on Mobility of Np in Yucca Mountain	Department of Energy	\$250,000	36
Kurama, Yahya C.	CAREER: Seismic Behavior & Design of Non-Emulative Precast Concrete Buildings with Supplemental Passive Energy Dissipation.	National Science Foundation	\$1,668	76
Westerink, Joannes J	Hydrodynamic Modeling of Flooding Events in Southern Louisiana	Louisiana State University	\$30,673	48
<b>Department or Office:</b>	Classics, The			
Afsaruddin, Asma	Striving in the Path of God: Discursive Traditions on Jihad and the Cult of Martyrdom	Private Foundation	\$100,000	20

**Awards received during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Computer Science & Engineering				
Izaguirre, Jesus A. Striegel, Aaron Peng, Jeffrey W.	Grid-Enabled Integration of Experimental Data and Simulations for Flexible Protein Docking	National Science Foundation	\$22,500	36
<b>Department or Office:</b> Electrical Engineering				
Haenggi, Martin Laneman, J. N.	Sensors: Theory and Practice of Sensor Network Architectures	National Science Foundation	\$6,000	36
Jena, Debdeep (Center or Institute)	High-Resolution X-Ray Diffractometer for Nanoscale Material Characterization	Department of Defense	\$207,275	12
<b>Department or Office:</b> Mathematics				
Alber, Mark S.	Testing a Developmental Mechanism by an Integrated Empirical-Computation: Approach	New York Medical College	\$50,500	12
Buechler, Steven A. Cholak, Peter A. Knight, Julia F. Starchenko, Sergei	Two conferences in logic at Notre Dame	National Science Foundation	\$22,200	12
Connolly, Francis X. Gekhtman, Michael	NDREU: Notre Dame Research for Undergraduates	National Science Foundation	\$52,000	36
Ledrappier, Francois M.	Ergodic Theory	National Science Foundation	\$32,700	12
<b>Department or Office:</b> Physics				
Eskildsen, Morten R.	Joint ND/Argonne Graduate Student RA (Ruobing Xie)	Argonne National Laboratory	\$2,646	12
Garnavich, Peter M.	Supernovae and the Universe	National Aeronautics and Space Administration	\$68,595	60

**Awards received during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Hildreth, Michael D.	Dzero Run IIb Project	Fermi National Laboratory	\$39,690	12
Johnson, Walter R.	Collaborative Research: New Directions in Atomic PNC	National Science Foundation	\$60,000	36
Sapirstein, Jonathan R.	Weak and Electromagnetic Radiative Corrections in Atomic Physics	National Science Foundation	\$100,000	23
<b>Department or Office:</b>	Political Science			
Hero, Rodney E. (Center or Institute)	Latino Incorporation in a Changing America: The Latino National Survey	Private Foundation	\$100,000	24
Hero, Rodney E. (Center or Institute)	Latino Immigrants in New Receiving Areas	Private Foundation	\$149,937	24
Hero, Rodney E.	Research on Election 2004	University of Maryland	\$20,000	5
Mainwaring, Scott P. Schierling, Sharon K. (Center or Institute)	Notre Dame-University of Michigan Consortium, (NRC) & (FLAS) Program, Latin American & Caribbean Studies	Department of Education	\$182,000	36
<b>Department or Office:</b>	Psychology			
Cummings, E. M.	Child Regulation and Exposure to Marital Violence	Auburn University	\$57,866	22
<b>Department or Office:</b>	Radiation Laboratory			
LaVerne, Jay A. (Center or Institute)	Radiolytic Decomposition of Water at Zirconia Interfaces	Corporate Funding	\$3,375	18

**Awards received during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
LaVerne, Jay A. (Center or Institute)	Gas Generation and Modeling: Radiation Chemistry and Microdosimetry	Los Alamos National Laboratory	\$10,000	60
<b>Department or Office:</b> Sociology				
Cardenas, Gilberto (Center or Institute)	Transnational Communities in the Chicago Metropolitan Area	Private Foundation	\$172,000	12

**Awards for Instructional Programs**

<b>Department or Office:</b> Educational Talent Search				
Outlaw, Warren G Vann-Hamilton, Joy J (Center or Institute) Coleman, Myrtie M	Talent Search Program	Department of Education	\$401,643	12

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Jumper, Eric J.	Characterizations of Aero-Optic Effect on Airbourne, Free-Space Optical Communications	Corporate Funding	\$60,000	12
Ovaert, Timothy C. Niebur, Glen L. Roeder, Ryan K. Renaud, John E.	Computer Modeling and Etiological Investigation of Acute Injury Risk	Centers for Disease Control & Prevention	\$347,200	12
Renaud, John E.	RET Supplement: Managing Uncertainty in Bilevel Robust Optimization	National Science Foundation	\$7,000	3
Renaud, John E.	REU Supplement: Managing Uncertainty in Bilevel Robust Optimization	National Science Foundation	\$12,000	3
Sen, Mihir Antsaklis, Panos J.	Networked Embedded Control of HVAC Systems with Energy Optimization for Multi-Room Houses	National Science Foundation	\$447,462	36
<b>Department or Office:</b>	Anthropology			
Chesson, Meredith S.	Crafting Cities: Urban Life in the Early Bronze Age (c.3500-2000 bce) of ancient Jordan, Israel and Palastine	National Endowment for the Humanities	\$40,000	9

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Schurr, Mark R.	Radiocarbon Dating of the Indiana Academy of Science Red Ocher Culture of the Brems Focus in the Upper Kankakee Valley		\$1,785	12
Schurr, Mark R.	Trail Creek Dune-Riverine Coastal Complex Archaeological Survey	Indiana Department of Natural Resources	\$10,000	4
<b>Department or Office:</b>	Biological Sciences			
Belovsky, Gary E. Francl, Karen E.	Remote Monitoring of the Northwoods: Research and Education at UNDERC	National Science Foundation	\$249,944	36
Belovsky, Gary E.	Herbivore and detritivore impacts to ecosystem processes along a hurricane disturbance gradient	National Park Service	\$78,000	36
Besansky, Nora J.	Genetics of An. funestus Populations	National Institutes of Health	\$467,458	12
Romero-Severson, Jeanne	Screening Structured Populations of Red Oaks for Resistance to Phytophthora Ramorum	Department of Agriculture	\$474,445	36
Severson, David W. Streit, Thomas G. Romero-Severson, Jeanne	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$628,873	12



**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Welsh, JoEllen J.	Anti-Tumorigenic Vitamins and Breast Cancer	National Institutes of Health	\$154,986	36
<b>Department or Office:</b>	Center for Pastoral Liturgy			
Kroeker, Charlotte	J.S. Bach Festival	Private Foundation	\$3,000	10
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Brennecke, Joan F.	Travel Grant for Broadening Participation in the Council for Chemical Research Annual Meeting 2005	National Science Foundation	\$7,200	6
Maginn, Edward J. Brennecke, Joan F.	High Temperature Ionic Liquid Lubricant for Advanced Aircraft Turbine Engines	Corporate Funding	\$253,441	24
Wolf, Eduardo E.	GOALI: High Throughput Activity and In-situ Infrared Spectroscopy and X-ray absorption Fine Structure studies of the effect of Sulfur on Noble Metals	National Science Foundation	\$13,580	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Clark, Patricia L.	REU Supplement to : CAREER: Conformations of Beta-Sheet Folding Intermediates: The Discrimination Between Productive Folding and Aggregation	National Science Foundation	\$7,125	2

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Henderson, Kenneth W.	Application of s-Block Molecular Aggregates in the Controlled Assembly of Solid-State Materials	National Science Foundation	\$6,000	2
Lieberman, Marya Porod, Wolfgang	Nano/Bio supplement to REU for RET	National Science Foundation	\$20,000	3
Sevov, Slavi C.	Synthesis and Characterization of Reduced and Mixed-Valence Transition-Metal Zintl Phases of the Pnictogens	American Chemical Society	\$120,000	42
Smith, Bradley D.	Measuring the Efficacy of Anticancer Drugs in Early Stages of Treatment	Phillip Morris	\$138,105	12
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Sakimoto, Susan E.	Field Workshop on Recent Water and Lava Floods on Mars: Terrestrial Analogs of the Columbia River Plateau	U.S. Geological Survey	\$16,557	24
<b>Department or Office:</b>	Computer Science & Engineering			
Flynn, Patrick J. Bowyer, Kevin W.	Center for Advanced Biometric Research and Evaluation	Department of Justice	\$246,661	24
Izaguirre, Jesus A. Striegel, Aaron	Grid-Enabled Integration of Experimental Data and Simulation for Flexible Protein Docking	National Science Foundation	\$22,500	3

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Poellabauer, Christian Striegel, Aaron	IXP-Based Transparent Bandwidth Conversation for Wireless Clients	Corporate Funding	\$26,300	12
Scheutz, Matthias J.	ICA-An Architecture for Integrated Cognition and Affect	DARPA	\$367,113	13
Scheutz, Matthias J.	Emotions in ICARUS	Private Foundation	\$80,236	13
Thain, Douglas L.	Innovation in Processing-in-Memory and Memory Interface for High-Fidelity Simulations	Corporate Funding	\$33,207	6
<b>Department or Office:</b>	East Asian Languages and Literatures			
Brownstein, Michael C.	Four Japanese Melodramas	National Endowment for the Humanities	\$40,000	9
<b>Department or Office:</b>	Electrical Engineering			
Antsaklis, Panos J.	STTR Phase I: Robust Wireless Communication for Shipboard Networked Control Systems using Intelligent Active Repeaters	Corporate Funding	\$25,000	7
Antsaklis, Panos J.	STTR Phase I: Ad Hoc Littoral Wireless Sensor Nodes using MO Sensing and Low Power Radios	Corporate Funding	\$25,000	7

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Bauer, Peter H.	Evidence Filtering: Data Fusion for Low-Signature Event Detection	National Science Foundation	\$251,709	36
Fay, Patrick J.	Low-cost, high-power transmit/receive modules for X-band radars	Corporate Funding	\$29,513	6
Fay, Patrick J.	High-Current Photodetectors	Corporate Funding	\$34,528	12
Hall, Douglas C.	Efficient quantum-dot diode-pumped diatomic molecular gas lasers	Department of Defense	\$3,217,079	60
Merz, James L. Mintairov, Alexander	GaAs Nanowhiskers Grown by MBE: Formation Mechanisms and Optical Properties	Private Foundation	\$14,590	24
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H.	Focal Plane array processors with adaptive visual range and millimeter wave sensors	Corporate Funding	\$90,000	12
Seabaugh, Alan C.	Low-Subthreshold-Swing Tunnel Transistors	Private Foundation	\$20,000	14
<b>Department or Office:</b>	English			
Fredman, Stephen A.	Grand Collage: Robert Duncan and California Culture	National Endowment for the Humanities	\$40,000	9

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Lander, Jesse M.	"They Say That Miracles Are Past": Staging the Supernatural in Shakespeare's England	National Endowment for the Humanities	\$40,000	9
Vanden Bossche, Chris R.	Reform Acts: Agency, Class, and the Victorian Novel, 1832-1867	National Endowment for the Humanities	\$40,000	9
<b>Department or Office:</b>	Film, Television, and Theatre			
Arons, Wendy	Simple Acts: Performance, Sustenance, Sustainability	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	History			
Constable, Olivia R.	Muslims in Medieval Europe	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	Mathematics			
Alber, Mark S. Barabasi, Albert-Laszlo	Biocomplexity VIII: Applications of Methods of Stochastic Systems and Statistical Physics in Biology	Department of Energy	\$15,000	12
Himonas, Alex A. Stanton, Nancy K. Cao, Jianguo Misiolek, Gerard K. Shaw, Mei-Chi	International Conference in PDE, Complex Analysis and Differential Geometry, in honor of M. Salah Bauendi	National Science Foundation	\$20,000	12

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Music				
Haimo, Ethan T.	Haydn's Debt to Cimarosa: Remote Keys and Cyclic Integration in La Fedelta Premiata	National Endowment for the Humanities	\$40,000	9
<b>Department or Office:</b> Physics				
Blackstead, Howard A.	High Temperature Superconductivity in Doped Cubic Double Pervoskites	Corporate Funding	\$30,000	36
Janko, Boldizsar	Institute for Theoretical Sciences Staff	Argonne National Laboratory	\$18,900	12
Ruggiero, Steven T. Tanner, Carol E.	New Approach to Pathogen Detection and Analysis: Laser Wavelength Scanning	Private Foundation	\$59,000	12
<b>Department or Office:</b> Political Science				
Hagopian, Frances	Church in Latin America Conference	Private Foundation	\$5,000	0
Mainwaring, Scott P.	Foreign Language and Areas Studies (FLAG) Fellowship	Department of Education	\$0	36
<b>Department or Office:</b> Program of Liberal Studies				
Johansen, Ruthann K.	The Ethical Imagination: Taking the Measure of Force	National Endowment for the Humanities	\$40,000	9



**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Romance Languages and Literatures			
Jerez-Farran, Carlos	Lorca's Queer Reading of Christ: Morbid Desires and Devine Humiliations	National Endowment for the Humanities	\$40,000	9
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto Ready, Timothy	Children and Families in Latino Studies	Private Foundation	\$100,000	10
Cardenas, Gilberto Ready, Timothy	Hispanic Housing in the United States	Corporate Funding	\$35,000	4
<b>Department or Office:</b>	Theology			
Reynolds, Gabriel S.	Reading the Qur'an in the Light of a Judaeo-Christian-Islamic Tradition	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	University Libraries			
Morgan, Eric L.	Collaborative Research: Digital Library Interoperability and Community Involvement in the NSDL Digital Library Services Registry	National Science Foundation	\$152,500	24

**Proposals for Instructional Programs**

<b>Department or Office:</b>	Center for Social Concerns			
Pettit, Rebecca T.	National Youth Sports Program	The National Youth Sports Program Fund	\$68,500	12
Pettit, Rebecca T.	U.S. Department of Agriculture	Indiana Department of Education	\$0	12

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Ostafin, Agnes E.	NUE: Nanoscience & Nanotechnology for Undergraduate Chemical Engineers	National Science Foundation	\$200,001	24
Palmer, Andre F.				
Zhu, Yingxi E.				
McCready, Mark J.				
<b>Department or Office:</b>	English			
Staud, John J.	University of Notre Dame-ACE Program	Corporation for National & Community Service	\$155,000	24

### **Awards and Proposal Summary**

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

04/01/2005 to 04/30/2005

#### **Awards Received**

Department or Office	No.	Amount
Center for Flow Physics and Control	6	\$1,057,310
Center for Microfluidics and Medical Diagnostics	2	\$161,997
Center for Transgene Research	1	\$300,000
Center for Tropical Disease Research & Training	1	\$302,804
Center for Zebrafish Research	1	\$228,690
Institute for Latino Studies	3	\$421,937
Kellogg Institute for International Studies	1	\$182,000
Nano Science and Technology Center	1	\$207,275
Radiation Laboratory	2	\$13,375
TRIO Programs	1	\$401,643
Walther Cancer Research Center	1	\$668,000
<b>Total:</b>	<b>20</b>	<b>\$3,945,031</b>

#### **Proposals Submitted**

Department or Office	No.	Amount
Alliance for Catholic Education	1	\$155,000
Center for Flow Physics and Control	1	\$60,000
Center for Molecularly Engineered Materials	1	\$200,001
Center for Social Concerns	2	\$68,500
Center for Tropical Disease Research & Training	2	\$1,096,331
Environmental Research Center	2	\$327,944
Institute for Church Life	1	\$3,000
Institute for Latino Studies	2	\$135,000
Institute for Theoretical Sciences	1	\$18,900
Kellogg Institute for International Studies	2	\$5,000
Nano Science and Technology Center	7	\$3,425,710
Walther Cancer Research Center	1	\$138,105
<b>Total:</b>	<b>23</b>	<b>\$5,633,491</b>

### **Awards and Proposal Summary**

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

07/01/2004 to 04/30/2005

#### **Awards Received**

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Center for Applied Mathematics	1	\$302,729
Center for Astrophysics	4	\$167,000
Center for Children and Families	1	\$1,629,988
Center for Environmental Science and Technology	2	\$135,518
Center for Flow Physics and Control	18	\$1,780,831
Center for Microfluidics and Medical Diagnostics	2	\$161,997
Center for Molecularly Engineered Materials	3	\$466,649
Center for Transgene Research	4	\$458,625
Center for Tropical Disease Research & Training	11	\$5,658,105
Center for Zebrafish Research	5	\$720,891
Environmental Molecular Science Institute	1	\$1,000,000
Environmental Research Center	2	\$431,265
Freimann Life Science Center	5	\$28,371
Institute for Church Life	1	\$80,000
Institute for Educational Initiatives	2	\$85,500
Institute for Latino Studies	17	\$1,724,380
Interdisciplinary Center for the Study of Biocomplexity	1	\$160,160
Jacques Maritain Center	1	\$25,000
Kellogg Institute for International Studies	4	\$560,094
Kroc Institute for International Peace Studies	3	\$354,657
Nano Science and Technology Center	21	\$4,272,101
Nanovic Institute	1	\$121,927
Nuclear Structure Laboratory	2	\$2,055,080
Office of the Provost	1	\$3,000,000
Radiation Laboratory	6	\$7,253,645
South Bend Center for Medical Education	2	\$263,836
TRIO Programs	1	\$401,643
Walther Cancer Research Center	4	\$1,017,105
<b>Total:</b>	<b>127</b>	<b>\$34,382,697</b>

#### **Proposals Submitted**

Department or Office	No.	Amount
Alliance for Catholic Education	1	\$155,000

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

07/01/2004 to 04/30/2005

Department or Office	No.	Amount
Center for Astrophysics	10	\$2,010,047
Center for Children and Families	4	\$2,401,087
Center for Environmental Science and Technology	1	\$530,837
Center for Flow Physics and Control	22	\$6,552,038
Center for Microfluidics and Medical Diagnostics	4	\$822,774
Center for Molecularly Engineered Materials	6	\$1,673,814
Center for Social Concerns	3	\$88,500
Center for Transgene Research	12	\$4,183,437
Center for Tropical Disease Research & Training	19	\$14,070,978
Center for Zebrafish Research	8	\$2,030,205
Environmental Molecular Science Institute	1	\$197,225
Environmental Research Center	4	\$341,486
Freimann Life Science Center	8	\$771,206
Institute for Church Life	6	\$81,474
Institute for Educational Initiatives	5	\$211,704
Institute for Latino Studies	28	\$3,028,623
Institute for Theoretical Sciences	1	\$18,900
Joint Institute for Nuclear Astrophysics	1	\$321,147
Kellogg Institute for International Studies	3	\$798,129
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	4	\$2,163,224
Lobund Laboratory	1	\$16,500
Nano Science and Technology Center	60	\$36,596,549
Nuclear Structure Laboratory	1	\$5,038,680
Radiation Laboratory	9	\$2,886,924
Reilly Center for Science, Technology and Values	1	\$37,500
Robinson Community Learning Center	3	\$304,947
Walther Cancer Institute Chair I	2	\$1,044,958
Walther Cancer Research Center	14	\$3,790,490
<b>Total:</b>	<b>243</b>	<b>\$92,208,383</b>

**Awards received during the period Apr-01-2005 to Apr-30-2005**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Morris, Scott C.	Tip-Clearance Control	Department of the Air	\$142,000	006222-001
Corke, Thomas C.	Using Blade Mounted	Force		
(Center or Institute)	Plasma Actuators			
Morris, Scott C.	Experiments in Sound	Department of Navy	\$50,000	006242-001
(Center or Institute)	and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems			
Morris, Scott C.	Scanning Laser	Department of Navy	\$195,310	006469-001
(Center or Institute)	Vibrometer for Fluid-Structure Interactions and Acoustics			
Jumper, Eric J.	Adaptive Optics for	Department of the Air	\$200,000	005919-001
Goodwine, John W.	Turbulent Shear	Force		
(Center or Institute)	Layers			
Corke, Thomas C.				
Corke, Thomas C.	Plasma Assisted	Corporate Funding	\$260,000	006477-001
(Center or Institute)	Aerodynamic Control System for Munition Maneuvering			
Corke, Thomas C.	High-Bandwidth	Corporate Funding	\$210,000	006468-001
Fay, Patrick J.	High-Resolution			
(Center or Institute)	Plasma Sensor for Hypersonic Flow Measurements: Phase II Proposal			
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia	Faradaic Micro-Fluidic	National Science	\$100,000	006463-001
(Center or Institute)	Devices for Complex Fluids	Foundation		



**Awards received during the period Apr-01-2005 to Apr-30-2005****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
McCready, Mark J. (Center or Institute)	Determination of Gravity Independence for Two-Phase Gas-Liquid Flows through Conduits	National Aeronautics and Space Administration	\$61,997	006478-001
<b>Department or Office:</b>	Center for Transgene Research			
Ploplis, Victoria A. (Center or Institute)	Pathological Consequences of the Plasminogen System	National Institutes of Health	\$300,000	006228-001
<b>Department or Office:</b>	Center for Tropical Disease Research & Training			
Schorey, Jeffrey S. (Center or Institute)	M. Avium Gpls in Macrophage Activation and Virulence	National Institutes of Health	\$302,804	006246-001
<b>Department or Office:</b>	Center for Zebrafish Research			
Vaughan, Kevin T (Center or Institute)	Regulation of Cytoplasmic Dynein Targeting	National Institutes of Health	\$228,690	005674-001
<b>Department or Office:</b>	Institute for Latino Studies			
Hero, Rodney E. (Center or Institute)	Latino Incorporation in a Changing America: The Latino National Survey	Private Foundation	\$100,000	006467-001
Hero, Rodney E. (Center or Institute)	Latino Immigrants in New Receiving Areas	Private Foundation	\$149,937	006470-001
Cardenas, Gilberto (Center or Institute)	Transnational Communities in the Chicago Metropolitan Area	Private Foundation	\$172,000	006466-001
<b>Department or Office:</b>	Kellogg Institute for International Studies			
Mainwaring, Scott P. Schierling, Sharon K. (Center or Institute)	Notre Dame-University Department of Education of Michigan Consortium, (NRC) & (FLAS) Program, Latin American & Caribbean Studies		\$182,000	006046-001

### Awards received during the period Apr-01-2005 to Apr-30-2005

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Nano Science and Technology Center				
Jena, Debdeep (Center or Institute)	High-Resolution X-Ray Diffractometer for Nanoscale Material Characterization	Department of Defense	\$207,275	006473-001
<b>Department or Office:</b> Radiation Laboratory				
LaVerne, Jay A. (Center or Institute)	Radiolytic Decomposition of Water at Zirconia Interfaces	Corporate Funding	\$3,375	006261-001
LaVerne, Jay A. (Center or Institute)	Gas Generation and Modeling: Radiation Chemistry and Microdosimetry	Los Alamos National Laboratory	\$10,000	005990-001
<b>Department or Office:</b> Walther Cancer Research Center				
Vaughan, Kevin T. (Center or Institute)	The Microtubule Binding Activity of Dynactin and Search-Capture	Private Foundation	\$668,000	006472-001

#### Awards for Instructional Programs

<b>Department or Office:</b> TRIO Programs				
Outlaw, Warren G Vann-Hamilton, Joy J (Center or Institute) Coleman, Myrtie M	Talent Search Program	Department of Education	\$401,643	005879-001

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J.	Characterizations of Aero-Optic Effect on Airbourne, Free-Space Optical Communications	Corporate Funding	\$60,000	05100663
<b>Department or Office:</b>	Center for Tropical Disease Research & Training			
Besansky, Nora J.	Genetics of An. funestus Populations	National Institutes of Health	\$467,458	05100656
Severson, David W.	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$628,873	05100662
Streit, Thomas G.				
Romero-Severson, Jeanne				
<b>Department or Office:</b>	Environmental Research Center			
Belovsky, Gary E.	Remote Monitoring of the Northwoods: Research and Education at UNDERC	National Science Foundation	\$249,944	05100654
Franci, Karen E.				
Belovsky, Gary E.	Herbivore and detritivore impacts to ecosystem processes along a hurricane disturbance gradient	National Park Service	\$78,000	05100668
<b>Department or Office:</b>	Institute for Church Life			
Kroeker, Charlotte	J.S. Bach Festival	Private Foundation	\$3,000	05100646
<b>Department or Office:</b>	Institute for Latino Studies			
Cardenas, Gilberto	Children and Families in Latino Studies	Private Foundation	\$100,000	05100629
Ready, Timothy				

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Cardenas, Gilberto Ready, Timothy	Hispanic Housing in the United States	Corporate Funding	\$35,000	05100652
<b>Department or Office:</b>	Institute for Theoretical Sciences			
Janko, Boldizar	Institute for Theoretical Sciences Staff	Argonne National Laboratory	\$18,900	05100647
<b>Department or Office:</b>	Kellogg Institute for International Studies			
Hagopian, Frances	Church in Latin America Conference	Private Foundation	\$5,000	05100628
Mainwaring, Scott P.	Foreign Language and Areas Studies (FLAG) Fellowship	Department of Education	\$0	05100634
<b>Department or Office:</b>	Nano Science and Technology Center			
Seabaugh, Alan C.	Low-Subthreshold-Swing Tunnel Transistors	Private Foundation	\$20,000	05100626
Merz, James L. Mintairov, Alexander	GaAs Nanowhiskers Grown by MBE: Formation Mechanisms and Optical Properties	Private Foundation	\$14,590	05100644
Lieberman, Marya Porod, Wolfgang	Nano/Bio supplement to REU for RET	National Science Foundation	\$20,000	05100669
Hall, Douglas C.	Efficient quantum-dot diode-pumped diatomic molecular gas lasers	Department of Defense	\$3,217,079	05100660

**Proposals submitted during the period Apr-01-2005 to Apr-30-2005****Centers and Institutes Report**

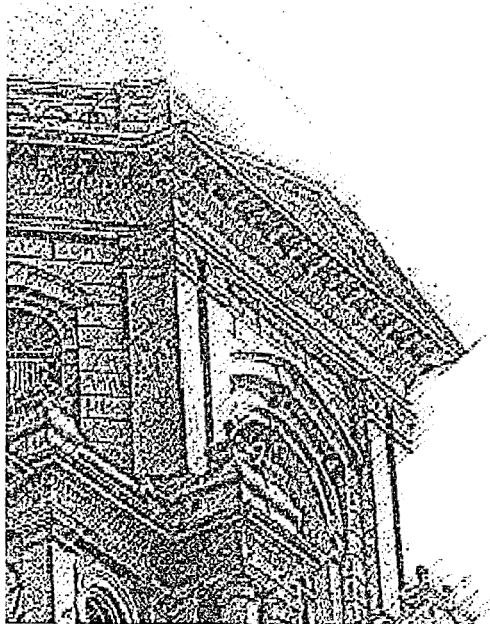
Investigator(s)	Title	Sponsor	Dollars	Proposal #
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H.	Focal Plane array processors with adaptive visual range and millimeter wave sensors	Corporate Funding	\$90,000	05100640
Fay, Patrick J.	High-Current Photodetectors	Corporate Funding	\$34,528	05100638
Fay, Patrick J.	Low-cost, high-power transmit/receive modules for X-band radars	Corporate Funding	\$29,513	05100639
<b>Department or Office:</b>	Walther Cancer Research Center			
Smith, Bradley D.	Measuring the Efficacy of Anticancer Drugs in Early Stages of Treatment	Corporate Funding	\$138,105	05100653

**Proposals for Instructional Programs**

<b>Department or Office:</b>	Alliance for Catholic Education			
Staud, John J.	University of Notre Dame-ACE Program	Corporation for National & Community Service	\$155,000	05100650
<b>Department or Office:</b>	Center for Molecularly Engineered Materials			
Ostafin, Agnes E. Palmer, Andre F. Zhu, Yingxi E. McCready, Mark J.	NUE: Nanoscience & Nanotechnology for Undergraduate Chemical Engineers	National Science Foundation	\$200,001	05100632
<b>Department or Office:</b>	Center for Social Concerns			
Pettit, Rebecca T.	National Youth Sports Program	The National Youth Sports Program Fund	\$68,500	05100655
Pettit, Rebecca T.	U.S. Department of Agriculture	Indiana Department of Education	\$0	05100683

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# Notre Dame Report



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