

# Notre Dame Report

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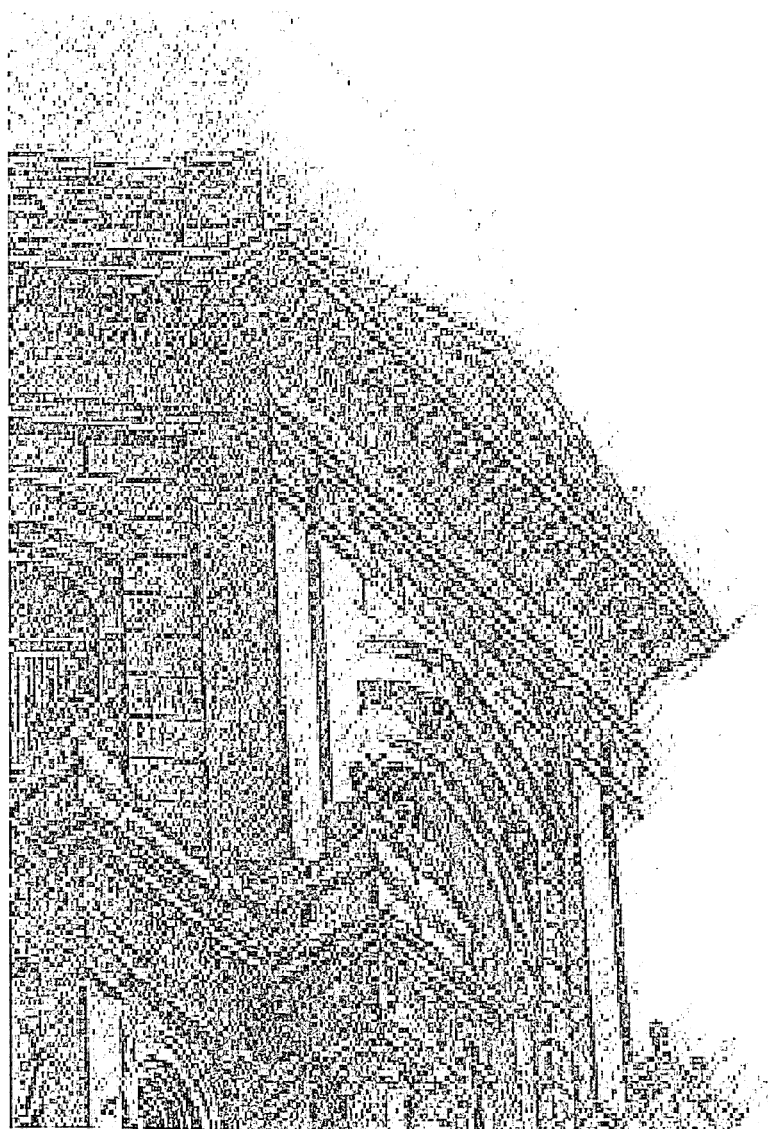
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# Faculty Notes

## Honors

**Kevin J. Christiano**, associate professor of sociology, was voted president-elect of the Association for the Sociology of Religion.

**Jimmy Gurulé**, professor of law, was chosen to serve as a member of the Bush/Cheney '04 National Hispanic Steering Committee (NHSC).

**Robert C. Johansen**, Kroc Institute senior fellow and professor of political science, was awarded an honorary doctor of humane letters degree by Manchester College, May 23.

**Scott Mainwaring**, the Conley Professor of Political Science and director of the Kellogg Institute, was selected for inclusion in *Who's Who in Social Sciences Education*.

**Rev. Edward A. Malloy, C.S.C.**, President, received an honorary doctor of divinity degree from Aquinas College, Grand Rapids, in May.

**Robert P. Sedlack**, assistant professor of design, had a poster he designed for the New York Central Railroad Museum (in Elkhart) commended by the American Association of Museums' 2004 Museum Publications Design Competition.

**Scott Van Jacob**, Iberian and Latin American studies subject librarian, was named chair of the Latin Americanist Research Resources Project Advisory Committee.

**Jennifer Younger**, the Arnold Director of University Libraries, was re-elected chair of the Academic Libraries of Indiana; was appointed chair of the External Review Panel by the American Library Association Committee on Accreditation for the review for the Division of Library and Information Science, St. John's College of Liberal Arts and Sciences, St. John's Univ., New York; and was reappointed to the Statistics and Measurement Committee, American Library Association.

## Activities

**Ani Aprahamian**, professor of physics, presented the invited seminar "Nuclear Physics and the Original of the Elements," QuarkNetCenter, South Bend, May 10.

**Peri E. Arnold**, professor of political science, presented "Managing Scarcity: The Evolution of Water Policy in the American West" to a meeting of the Working Group on Administrative History of the International Institute of Administrative Sciences, at the Univ. of Konstanz, Germany, Mar. 5-7.

**Harvey A. Bender**, professor of biological sciences, served as the lead reviewer of applications for development for the National Centers for Biomedical Computing, May 25 through June 1.

**Paolo Carozza**, associate professor of law and Kellogg, Nanovic, and Kroc Institutes fellow, presented "Legal Education for the *Ius Commune* of Human Rights" at the "Conference on Educating Lawyers for Transnational Challenges," Oahu, May 26-29.

**Patrick Clark**, the Luce Assistant Professor of Biochemistry, presented the invited talk "Folding Mechanisms for Aggregation-Prone Native Structures" at the Univ. of Warsaw, May 7, and at the "International Workshop on the Structure and Function of Molecules," Bedlewo, Poland, May 14.

**Paul M. Cobb**, assistant professor of history and Medieval and Kroc Institutes fellow, presented "Getting Crusaded" at the Newberry Library in Chicago, on May 20 as part of the Newberry Teachers Colloquia series.

**Philippe Collon**, assistant professor of physics, presented "Accelerator Mass Spectrometry: From Nuclear Astrophysics to Tracing Oceans," an invited seminar, at the Univ. of Ohio, Dept. of Physics and Astronomy, Athens, May 4.

**E. Jane Doering**, associate professional specialist, concurrent assistant professor of College Seminar, and executive coordinator of TAS, opened the American Weil Society's 2004 colloquy at Princeton Univ. in April with "Simone Weil's *Iliad*: Circles of Violence and War."

**Julia Douthwaite**, assistant provost for International Studies and professor of French, presented the invited lecture "The Internationalization of Notre Dame: Triumphs and Trials" at the annual meeting of NAFSA: Association of International Educators, Baltimore, on May 28.

**Scott Mainwaring**, the Conley Professor of Political Science and director of the Kellogg Institute, presented "Divided Government in Latin America" at the "Fundacion Preciado" Mexico City, May 6; "Democratization in Latin America since 1978: Democratic Transitions, Breakdown, and Erosions" at CIDE, Mexico City, May 6, and again at the Univ. Autonoma de Mexico, May 7.

**Ernan McMullin**, the Cardinal O'Hara Professor Emeritus of Philosophy, presented the annual Reynolds Lecture at Baylor Univ., "Evolution as a Christian Theme," Mar. 2, and served as a visiting lecturer in philosophy of science there, Mar. 3-12; delivered an invited lecture on "Van Fraassen's Empirical Stance" at the annual Pacific Division meeting of the American Philosophical Association, Mar. 25; responded to the monthly AAAS Science Lecture by C. Pilcher, "The Search for Extrasolar Planets," in Washington, D.C., April 15; presented an invited paper at the Central Division meeting of the APA in Chicago, April 25; and presented "Was Galileo Guilty?" at the Science Studies Program of the Univ. of California at San Diego, May 3.

**Juan Migliore**, professor of mathematics, gave the invited presentation "Tetrahedral Curves" at the Midwest Commutative Algebra and Geometry meeting "Conference in Honor of Joseph Lipman," Purdue Univ., West Lafayette, May 17-21.

**Marvin J. Miller**, professor and chair of Chemistry and Biochemistry, presented "Molecular Diversity from Acylnitroso Cycloadditions: Preparation of Novel Scaffolds and Focused Targets" at the "Advances in Synthetic Combinational and Medicinal Chemistry" international meeting, Moscow,

May 1-9; and "Compounds from Acylnitroso Cycloadducts" at the "36th Central Regional Meeting," Indianapolis, June 2-5.

**Kenneth E. Moore**, associate professor emeritus of anthropology, presented the invited lecture "Modernization, Tourism and the Creation of Cities" at the Univ. of La Laguna, Tenerife, Spain, Mar. 24; and "The Continuity of Community from Fishing Village to City" at the *Centro Cultural de Los Cristianos*, Mar. 25-26.

**Slavi Sevov**, professor of chemistry and biochemistry, presented the invited talks "Deltahedral Zintl Ions: Functionalization and Oligomerization" and "Polyoxometalates and Frameworks of Transition Metals and Organic Linkers" at the 87th national meeting of the Canadian Society of Chemistry, London, Ontario, May 27 through June 1.

**Susan Guise Sheridan**, the O'Neill Associate Professor of Anthropology, presented the following joint papers at the 73rd American Association of Physical Anthropology meetings in Tampa, April 15-17: "Non-Metric Traits of the Femur and Tibia Related to Prayer Practice in a Byzantine Monastic Community from Jerusalem," with M.E. Kovacic, L. Talarico, and J. Ullinger; "Femoral Neck Activity and Kneeling at a Byzantine Monastery" with J. Jennings, J. Inman, J. Ullinger, and D. Van Gerven; "Fall on your Knees: Squatting Facets and Byzantine Monasticism" with J. Ullinger and B. deVries; and "Indicators of the Hip of Kneeling Behavior in a Byzantine Jerusalem Monastery" with A. Hatch, B. Hayden, J. Ullinger, and D. Van Gerven.

**Nancy K. Stanton**, professor of mathematics, presented "Real Hypersurfaces in  $C^n$ " at the "AARMS-CRM Workshop on Singular Integrals and Analysis on CR Manifolds" at Dalhousie Univ., Halifax, Nova Scotia, May 8.

**Julia Adeney Thomas**, associate professor of history, presented "The New Materialism: Bringing Nature into History" at the Univ. of Chicago's "Methods and Metaphors in Japanese Studies Conference" held May 20-21 in honor of H. Harootunian and T. Najita.

**JoEllen Welsh**, professor of biological sciences, presented "Signaling through Vitamin D and Its Receptor in Breast Cancer

and Mammary Gland" at the Western Human Nutrition Research Center at the Univ. of California, Davis, May 24-25.

## Publications

**Ani Aprahamian**, professor of physics, published "The Lowest Levels in  $^{15}\text{F}$  and Shell Model Potential for Drip Line Nuclei" with V.Z. Goldberg, G.G. Chubarian, G. Taqbacaru, L. Trache, R.E. Tribble, **Grigory Rogachev**, research assistant professor of physics, B.B. Skorodumov, and X.D. Tang, *Physical Review C* 69 (2004); "From Ripples to Tidal Waves: Low Lying Vibrational Motion in Nuclei," *Nuclear Physics A* 731 (2004): 291-298; " $\beta$ -Decay Studies of Neutron Rich Nickel Isotopes" with P.T. Hosmer, **Andreas Wöhr**, research assistant professor of physics, et al., *Proceedings of r-Process Workshop*, Institute of Nuclear Theory, Seattle, WA, January 2004.

**Peri E. Arnold**, professor of political science, published "One President, Two Presidencies: George W. Bush in Peace and War," in S.E. Schier (ed.), *High Risk and Big Ambition: The Presidency of George W. Bush* (Pittsburgh: Univ. of Pittsburgh Press, 2004): 145-166.

**Dinshaw Balsara**, assistant professor of physics, published "Numerical Study of Compressible Magnetohydrodynamic Turbulence in Two Dimensions" with H. Lee, D. Ryu, J. Ki, and T.W. Jones, *The Astrophysical Journal* 594 (2003): 627-636; "A Comparison Between Divergence-Cleaning and Staggered-Mesh Formulations for Numerical Magnetohydrodynamics" with J. Kim, *ibid.*: 602 (2004): 1079-1090; and "Second-Order—Acute Schemes for Magnetohydrodynamics with Divergence-Free Reconstruction, *The Astrophysical Journal Supplement Series* 151 (2004): 149-184.

**Alicia M. Beatty**, research associate professor of chemistry and biochemistry, published "Synthesis and Characterization of Hypoelectronic Rhenaboranes, Analysis of the Geometric Electronic Structures of Species Following Neither Borane nor Metal Cluster Electron-Counting Paradigms" with B. Le Guennic, H. Jiao, S. Kahlal, Y.-Y. Saillard, J.-F. Halet, S. Ghosh, M. Shang, A.L. Rheingold, and **Thomas P. Fehlner**,

associate chair and the Grace-Rupley Professor of Chemistry and Biochemistry, *Journal of the American Chemical Society* 126 (2004): 3203-3217.

**Margaret A. Doody**, the Glynn Family Professor of Literature, published *Poison in Athens* (Random House, 2004).

**Patrick F. Dunn**, professor of aerospace and mechanical engineering, published *Measurement and Data Analysis for Engineering and Science* (McGraw-Hill, 2005, first edition released May 21, 2004): 540 pp.

**Leonid Faybusovich**, professor of mathematics, published "Calculation of Universal Barrier Functions for Cones Generated by Chebyshev Systems over Finite Sets" with and **Michael Gekhtman**, associate professor of mathematics, *SIAM Journal on Control and Optimization* 14, No. 4 (2004): 965-979.

**Thomas P. Fehlner**, associate chair and the Grace-Rupley Professor of Chemistry and Biochemistry, published "Chemistry of  $1[\text{Cp}^*\text{-arachno-1-IrB}_4\text{H}_{10}]$  and  $1[\text{Cp}^*\text{-arachno-1-IrB}_3\text{H}_9]$ : Synthesis and Characterization of the New Substituted Iridaboranes  $1[\text{Cp}^*\text{-arachno-1-IrB}_3\text{H}_7\text{-2-L}]$ ,  $1[\text{Cp}^*\text{-arachno-1-IrB}_4\text{H}_8\text{-2,5(Br)}_2]$  ( $\text{L} = \text{PMe}_3, \text{PMe}_3, \text{PM}_2\text{Ph}, \text{PM}_3, \text{Ph}_2, \text{py}, \text{NEt}_3$ )" with R. Macias and **Alicia M. Beatty**, research associate professor of chemistry and biochemistry, *Organometallics* 23 (2004): 2124-2136.

**Alyssa Gillespie**, the Notre Dame Assistant Professor of Russian, published "Poem as Performance: A New Interpretation of Sep-Szarzynski's Sonnet V 'On the Impermanent Love for Things of This World,'" *Slavic and East European Journal* 47, No. 4 (winter 2003): 569-588.

**Maureen T. Hallinan**, director of the Center for Research on Educational Opportunity, Institute for Educational Initiatives, and the White Professor of Sociology, published "Prologo" in J.P. Vilariño (ed.), *Religión y Sociedad en España y los Estados Unidos: Homenaje a Richard A. Schoenherr* (Madrid: Centro de Investigaciones Sociológicas, 2003): IX-XII; and "Efectos sobre la educación católica estadounidense del cambio en la Iglesia Católica" *ibid.*: 13-28.

**Kevin Hart**, professor of English and Nanovic Institute fellow, published "Religion" in *Understanding Derrida*, J. Reynolds

and J. Roffe, eds. (New York: Continuum, 2004): 54–62; and *Postmodernism: A Beginner's Guide* (Oxford: Oneworld, 2004); and "Fides et ratio et. . .", *Faith and Reason: Friends or Foes in the New Millennium*, (Eds.) A. Fisher and H. Ramsay (Adelaide: ATF Press, 2004): 247–269.

**Gordon L. Hug**, associate professional specialist in the Radiation Laboratory, published "Polyhydroxylated 2-Styrylchromones as Potent Antioxidants" with **Larry K. Patterson**, research professor emeritus of chemistry, P. Filipe, A.M.S. Silva, P. Morlière, C.M. Brito, J.N. Silva, J.A.S. Cavaleiro, J.-C. Mazière, J.P. Freitas, and R. Santus, *Biochemical Pharmacology* 67 (2004): 2207–2218.

**Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, cowrote "Single Wall Carbon Nanotube Electrodes for Methanol Oxidation" with Girish Gopalakrishnan Nair, T. Nelson, and K. Vinodgopal, presented at the "205th Meeting of the Electrochemical Society," San Antonio, May 9–14, by G. Gopalakrishnan Nair.

**Patricia Loghry**, audiovisual cataloging and licensing librarian, published "Taming the Electronic Tiger: Effective Management of Electronic Resources," a conference report, in *Serials for the International Serials Community* 17, No. 1 (2004): 92–99.

**Ernan McMullin**, the Cardinal O'Hara Professor Emeritus of Philosophy, published "Van Fraassen's Unappreciated Realism," *Philosophy of Science* 70 (2003): 455–478; "Anthropic Reasoning in Cosmology," *International Symposium on Astrophysical Research and on the Dialogue between Science and Religion*, C. Impey and C. Petry (ed.) (Vatican Observatory Press, 2003): 54–73; "James C. Cushing: An Obituary," *Proceedings of the American Philosophical Association* 76 (2003): 159–161; "Largo Campo di Filosofare: Galileo Symposium" (review), *Isis* 94 (2003): 726–727; and "Galileo in Context" (review), *Journal of the History of Astronomy* 34 (2003): 456–458.

**John F. Gaski**, associate professor of marketing, published "Raising the Minimum Wage is Unethical and Immoral," *Business and Society Review* 109, No. 2 (summer 2004): 209–224.

**Thomas Mueller**, the Roth-Gibson Professor of Aerospace and Mechanical Engineering, published "Low-Aspect-Ratio Wing Aerodynamics at Low Reynolds Numbers" with G. Torres, *AIAA Journal* 42, No. 5 (May 2004): 865–873.

**Liviu Nicolaescu**, associate professor of mathematics, published jointly with A. Nemethi the paper "Seiberg-Witten Invariants and Surface Singularities II: Singularities with Good  $C^*$ -Action" in the *Journal of the London Math. Society* 69 (2004): 593–607.

**Teresa Godwin Phelps**, professor of law, published *Shattered Voices: Language, Violence, and the Work of Truth Commissions* (Univ. of Pennsylvania Press, 2004).

**Grigory Rogachev**, research assistant professor of physics, published "The Structure of Exotic  $^7\text{He}$  and  $^9\text{He}$ " with **Ani Aprahamian**, professor of physics; **James J. Kolata**, professor of physics; **Andreas Wöhr**, research assistant professor of physics; et al., *Proceedings of Radioactive Nuclear Beams* 6, Argonne National Laboratory, Argonne, Illinois, Sept. 22–26, 2003, and to be published in *Nuclear Physics A*.

**Slavi Sevov**, professor of chemistry and biochemistry, published "Naked Delta-tetrahedral Silicon Clusters in Solution: Synthesis and Characterization of  $\text{Si}_9^{3-}$  and  $\text{Si}_5^{2-}$ ," *Journal of the American Chemical Society* 126 (2004): 6860–6861.

**Dennis M. Snow**, professor of mathematics, published "The Role of Exotic Affine Spaces in the Classification of Homogeneous Affine Varieties," *Algebraic Transformation Groups and Algebraic Varieties, Encyclopaedia of Mathematical Sciences* 132 (Springer-Verlag, 2004): 169–175.

**Yang Sun**, visiting assistant professor of physics, published "Nature of Excited  $O^+$  States in Deformed Nuclei" with **Ani Aprahamian**, professor of physics, J.-Y. Zhang, and C.-T. Lee, *Physical Review C* 68 (2003).

## Administrators' Notes

### Publications

**Alan S. Bigger**, director of Building Services, published "The Right Tools for the Job" with L.B. Bigger, for *Cleaning Management Online* at [http://www.cmmonline.com/HowTo.asp?H\\_ID=1085](http://www.cmmonline.com/HowTo.asp?H_ID=1085), June 3; "The Dragon at Our Gate: How Did that Dragon

Arrive, Part I," *Executive Housekeeping Today* 25, No. 6 (June): 6–7+; and "The Great Detractors: The Perception Versus the Reality of Cleanliness" with L.B. Bigger, *ibid.*, No. 5 (May): 6–7+.

# Documentation

## Faculty Board on Athletics

April 26, 2004

**Members Present:** Prof. Fernand Dutile (Chair); Prof. Matthew Barrett; Prof. Harvey Bender; Prof. John Borkowski; Mr. Bobby Brown; Dr. Matthew Cullinan; Prof. Stephen Fallon; Prof. Umesh Garg; Prof. David Kirkner; Prof. Layna Mosley; Prof. Donald Pope-Davis; and Prof. John Weber.

**Members Absent:** Mr. Patrick Holmes; (Rev.) Mark Poorman, C.S.C.; and Dr. Kevin White.

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

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

**2. Minutes of previous meeting:** Prof. Barrett moved the approval of the minutes for the meeting of March 30, 2004. Professor Mosley seconded that motion, which passed unanimously.

**3. Announcements:** The Chair asked Board members to keep former Athletics Director Michael Wadsworth in their thoughts and prayers. Mr. Wadsworth, seriously ill with bone cancer, had been taken to the Mayo Clinic. [Mr. Wadsworth died on April 28, 2004.]

The Chair thanked Prof. Mosley for her work in setting up the new website of the Faculty Board on Athletics. That website, whose address is [www.nd.edu/~facboard/](http://www.nd.edu/~facboard/), is now operational.

The Chair announced that he had approved, on the Board's behalf, amendments to the class-miss schedule of several teams. The afternoon of April 15 has been added to the schedule for outdoor track; that schedule remained within University guidelines. Due to bad weather at Chicago's

O'Hare, several student-athletes on the outdoor track team were delayed in returning from a California meet. Accordingly, the Chair authorized the issuance of class-miss excusals for the morning of April 19. Due to unanticipated delays in play, occasioned partly by weather problems, the Chair approved missed-class excusals for the men's golf team on the morning of April 5, 2004. The unanticipated failure of a bus to appear at the scheduled time when the rowing team arrived at O'Hare occasioned missed-class excusals for the morning of April 5. Finally, the Chair approved missed-class excusals for the afternoon of April 13 for men's tennis, whose arrival in South Bend an airliner mechanical problem (flat tire) delayed.

The Chair approved the following captains for the 2004-05 academic year: Matthew Bertke (men's swimming); and Christopher Sawyer, Jack Stewart and Kevin Goldthwaite (men's soccer). The Chair also approved a slate of student-athletes from which captains for the women's-soccer team will be selected. [Pursuant to Board custom, its silence reflects its ratification of these decisions.]

**4. Petitions for a Fifth Year of Eligibility:** Prof. Bender, on behalf of the Subcommittee on Academic Integrity, presented to the Board recommendations that the five following student-athletes be approved for a fifth year of eligibility: Caylan Leslie (women's tennis), Bridget Higgins (women's lacrosse), Todd Mobley (track), Meghan Perry-Eaton (women's diving), and Casey Rotella (women's golf). [As usual, public minutes of the Board omit any discussion of individual student-athletes.] Prof. Barrett, alluding to the excellent academic and athletics achievements of [one of the petitioners], wondered why that student-athlete had not been put forward for a Byron V. Kanaley Award. This student-athlete could possibly be selected by the

NCAA as part of its "Elite 8" next year. Prof. Bender echoed that concern; clearly the coach should initiate the process, but the system seems to fail when we discover that a student-athlete who so clearly seems to deserve it has not been nominated. What role should the Board have in this? The Chair noted that he writes a letter to each head coach, early in the second semester, to solicit nominations. Later in the semester, Ms. Barbour e-mails head coaches to remind them to turn in their nominations. As a safeguard, this year the Chair contacted Sports Information to help ensure that no worthy candidate had been missed. Ms. Conboy: Since one may win the award only once, perhaps the head coach thought not in terms of the specified criterion ("senior monogram winner"), but rather in terms of the student-athlete's last year here, which for [this student-athlete] will be next year. The Chair, noting that all head coaches are asked to return the form, whether or not a nomination is included, suggested that in future years the Chair might contact yet again any head coach from whom the Chair has not heard. Prof. Weber suggested that the Board might wish to change its policy so as to make eligible fifth-year student-athletes as well as senior monogram winners. At this point, the Board voted unanimously to approve for a fifth year of eligibility the five student-athletes put forth by the Subcommittee on Academic Integrity.

**5. Request for a reduced tenth-semester program:** [For reasons of privacy, the Board's extended discussion of this request has been edited.] The Board next considered a request by a student-athlete that the usual requirement that fifth-year student-athletes carry a minimum of nine credit hours per semester be waived for the student-athlete's tenth semester (Spring 2005). The student-athlete was awarded more money as a junior than as a sophomore because money for that increase became available. During the fifth year, the student-athlete will receive 70% of college costs. To reduce the financial demands on the student-athlete's family, the student-athlete seeks to take six credits rather than nine. Prof. Garg noted the importance of this difference; with nine credits the student-athlete will pay full-time tuition whereas at six credits, the cost will be "per credit."

Prof. Mosley reminded the Board that it had recently made a similar allowance for a non-scholarship student-athlete in another sport. There ensued an extensive discussion of "dollar" allocations versus "percentage" allocations with regard to athletics grants-in-aid. Prof. Barrett worried that the athletic program, contrary to University guidelines, would not financially support the fifth year at the same level the program had supported the student-athlete in the past. He noted that the team was providing \$24,000 in support when the Faculty Board approved the student-athlete's petition for a fifth year of eligibility. Ms. Barbour noted the difficulty when programs provide grants-in-aid termed in real dollars versus percentages. Ms. Conboy agreed: We need to encourage coaches to use percentages both to avoid confusion and to avoid inadvertent NCAA funding violations. Never in recent memory, Professor Barrett added, has tuition declined from one year to the next. Prof. Kirkner, stressing that the student-athlete fully met our "academic engagement" requirement, supported the request. Prof. Borkowski moved to approve the petition. Prof. Bender seconded that motion, which passed with but one dissenting vote.

**6. Recommendations of the NCAA Task Force on Recruiting:** Ms. Barbour discussed with the Board the working document of the NCAA Task Force on Recruiting, a copy of which had been provided to each member. The Task Force made several legislative recommendations regarding official visits, including: 1) Any airline travel for prospects must involve commercial transportation at coach-class airfare, with no upgrades permitted; 2) Institutions may not use "special" vehicles (e.g., modified to provide television or special decor or appointments); 3) Prospects must be housed in standard lodging (i.e., no suites and no special accessories such as Jacuzzis) and eat standard meals (i.e., comparable to those usually eaten by student-athletes); 4) Institutions may not arrange personalized promotional activities (e.g., personalized jerseys or scoreboard mention) or allow the prospect to run onto the field with the team; 5) Institutions must certify that they have established and have on file written departmental policies related to official visits, policies to whose precepts the

institutions will have to adhere; 6) Student hosts for official visits must be either current members of the team considering the prospect or persons chosen in a manner consistent with that used for selecting hosts for prospective students generally; 7) Current ethical-conduct guidelines should be expanded to address inappropriate behavior related to alcohol, drugs and "entertainment activities;" 8) Both the prospect and the host should commit in writing to limit all activities to those defined as appropriate by the institution. These proposals will be voted on this Fall. The Task Force decided not to recommend: 1) allowing institutions to pay for the travel of the prospect's parents; 2) reducing (from the current five) the number of official visits permitted the prospect or shortening (from the current forty-eight hours) the length of the visit allowed; 3) establishing an early signing date for those sports currently without one; and 4) requiring prospects to attend a class or some form of academic orientation during the visit.

Ms. Barbour expressed disappointment at the recommendation that, in effect, institutions develop their own recruiting code; wasn't this the system in place when recruiting scandals hit the headlines? Ms. Barbour pointed out that much ambiguity remains, even in the legislative recommendations. For example, will use of Notre Dame's Hummer for recruiting purposes violate the transportation restriction? Members of the Compliance staff differ on this. Prof. Pope-Davis asked if prospective student-athletes may "upgrade" their airline flights to first class if they use their parents' money. Ms. Barbour: As long as we are not involved, there is no problem. Ms. Barbour alluded to another problem raised by the proposed legislation. The limitation on who may serve as host for prospects may require us to use staff as hosts during athletics events since student-athletes themselves will obviously be unavailable and managers, whom we now use regularly, will be ineligible. We may, as other institutions do, have recourse to the University's admissions staff. Otherwise, Athletics Department staff will be required. Prof. Bender: Interestingly, none of the proposals would preclude what allegedly happened at the University of Colorado. Ms. Barbour agreed. Prof. Kirkner noted that some

recommendations apparently fell on deaf ears because of budgetary concerns. Prof. Borkowski: Why did the recommendation that prospects be required to have some academic component during their visit fail? The costs involved, Ms. Barbour replied; the requirement could eliminate a one-day Saturday stay. If the prospect plays another sport, for example, the visit becomes impossible. There should, nonetheless, be some academic component. Prof. Pope-Davis asked if these proposals adversely affect us. There were, Ms. Barbour offered, some "missed opportunities." The Chair thanked Ms. Barbour for her report.

**7. Report on Notre Dame's Drug-Testing Committee:** Dr. Cullinan, chair of Notre Dame's Committee on the Drug Testing of Student-Athletes, reported that under the University's random-selection process, some four hundred student-athletes were tested this academic year at the rate of forty student-athletes every two weeks. Since some student-athletes may have been tested more than once, there may be duplication among the four hundred students tested. (These tests are in addition to the testing of football players done at the beginning of the season and do not include tests administered by the NCAA.) Dr. James Moriarity, chief of medicine, Student Health Center, has discussed with colleagues at UCLA the prospect of testing for "designer" steroids. These colleagues reported that tests for such substances have not yet been fully developed. The NCAA does not currently require such testing. Nonetheless, designer steroids have become a problem in other areas and we want to remain current in our testing. At its meeting in May, the committee will discuss testing for such steroids, though they remain largely unavailable and very expensive. Prof. Kirkner asked what happens should any student-athlete test positive. Such student-athletes, Dr. Cullinan explained, get referred to the Counseling Center for evaluation. Moreover, the Department of Athletics, through Mr. Muir and the relevant head coach, is also notified. Prof. Kirkner: Is some sort of appeal available to check for a false positive? Dr. Cullinan: We treat the first positive as a need for treatment. We treat the second positive very differently; in such a case, the student-athlete may not participate



in any sport here. In response to a hypothetical question posed by Prof. Bender, Dr. Cullinan responded that testing positive for steroids following a positive test for marijuana would be treated like a second violation. Prof. Weber asked how often the NCAA conducts drug-testing. Once a year, Dr. Cullinan responded, and randomly. The NCAA also tests at its championships. Prof. Bender inquired about drug-testing of coaches. That only occurs through the employment process, just as with any employee, Dr. Cullinan answered. Dr. Pope-Davis raised an issue discussed extensively by the Board last year: Is the testing of hair racially discriminatory? Dr. Moriarity had committed to follow scientific developments in that regard. Dr. Cullinan informed the Board that he brings this subject up each semester in the hopes of securing some clarity with regard to possible discrimination in the use of hair for testing purposes; so far science has not made that clarity available. Once again, however, our first objective is to get help for the student-athlete. Prof. Bender asked whether the NCAA certification process looked at drug-testing at Notre Dame. Dr. Cullinan: Drug-testing was part of our self-study. The NCAA said nothing about it in its "feedback." The Chair thanked Dr. Cullinan for his report.

**8. The Faculty Board on Athletics, past and future:** The Chair reminded the Board that the last real review of the Board in terms of structure and mandate occurred during the Spring 2000 semester. At that time, fundamental oversight over the Athletics Department moved to the President's Office. At that time, as well, the Academic Council produced, and the Board of Trustees approved, a new bylaw regarding the organization and jurisdiction of the Board. Shortly thereafter the Board completed its revision of the University's *Statement of Principles for Intercollegiate Athletics*. Having now worked under the new structure for four full academic years, the Board might profitably revisit these documents, as well as the *FBA Manual*, which itself has developed significantly over those four years. The Chair raised the possibility of getting a group of Board members together over the summer to "brainstorm" on any issues related to the Board, with a view to bringing those issues, properly refined, to the appropriate subcommittee of the

Board during the next academic year. The 2004-05 academic year might be devoted in part to exploring these issues further and developing any needed recommendations for the consideration of the Board and, if necessary, the Academic Council and the Board of Trustees. Prof. Kirkner: Should some other body review the work of the Board? The Chair: I propose this as an internal review; of course, any recommendations calling for structural or jurisdictional changes must go to the Academic Council, which itself would at that point explore the issues involved. In response to Prof. Weber's question, the Chair stressed that no controversy prompts this proposed self-study. Indeed, the lack of such a controversy makes this the ideal time to review. Prof. Barrett, agreeing, informed the Board that he had recommended such a self-evaluation. That comes, he said, from his "corporate-governance" background. Prof. Garg, too, felt it a salutary idea to perform such an exercise, especially when not forced to do so. Prof. Barrett added his view that some areas seemed ripe for discussion. For example, can we improve the subcommittee structure? To be sure, this has been our most productive year; each subcommittee can point to at least one major accomplishment. Nonetheless, are three-member subcommittees large enough? There are also potential issues in the current provisions of the Academic Articles relating to the Board. At present, the Director of Athletics is not a voting member; would we get more regular attendance and better participation if he were? The Chair added the possibility of amending our *Statement of Principles on Intercollegiate Athletics* to include the concept of football independence as a core value, since it has played such an important role in the University's history. Prof. Barrett mentioned revisiting, in that *Statement*, the issue of conference affiliation. Prof. Mosley raised, "with some trepidation," the lack of diversity among Board members. Were she not at the meeting, for example, all voting members would be male. Is this lack of diversity an issue? The Chair felt this to be an important issue and observed that Father Malloy takes it into consideration in making his appointments to the Board. But balance, racial and otherwise, remains difficult to effectuate when so many members are elected at-large or from individual colleges on campus. How can we communicate the

need for diversity to those who nominate and to those who elect? On a different note, Prof. Borkowski raised the issue of orientation for new members. The only orientation, the Chair said, involved lunch with him and a copy of the *FBA Manual*. Prof. Pope-Davis found most helpful the discussions he had with various members of the Board. The Chair concluded the discussion with the hope that Board members might get together this summer to pursue such issues.

**9. New Business:** Prof. Weber, as an item of "new business," brought up the issue of football-ticket prices at Notre Dame, an area of interest to him and others. Our prices seem very high; to his knowledge, only those at USC are higher. He has received much reaction from alumni, especially with respect to price increases. He recognized that the Board may have no explicit authority over that matter, but, knowing of the real concern about it, brought it to the table. The Chair expressed his view that since faculty were involved in the concern the Board constituted an appropriate venue. Ms. Conboy informed the Board that the Department of Athletics needed to generate more revenue; the football game proposed for Notre Dame by the Black Coaches Association, which would have produced \$1.7 million for Notre Dame, did not materialize. We looked at a number of models, such as increasing the \$300 Building-Fund contribution needed to secure certain season tickets and "scaling" the price of tickets depending on seat location within the stadium. Prof. Bender: Wasn't there some talk of assessing student fees in order to cover costs? That plan was killed, Dr. Cullinan responded. Ms. Conboy assured the Board that price escalation presents a matter of serious concern for administrators in the Department of Athletics. She noted that other schools use a variety of models for pricing tickets. Indeed, some of them raise the price for their home games against Notre Dame or require season-ticket purchases when Notre Dame happens to be on their schedule. Prof. Weber observed that communicating such information to alumni and faculty would help significantly. In any event, Prof. Weber continued, this issue needs to be addressed. Prof. Garg felt it appropriate for the Department of Athletics to make a

presentation to the Board on this issue. Of course, any further discussion of this issue requires data from other schools like the universities of Texas, Nebraska and Tennessee. The Chair suggested that the issue of ticket prices be put on the agenda for the next meeting.

Prof. Fallon raised a problem related to basketball: Too many of the "yellow seats" are empty during games. Many of those tickets, Ms. Conboy responded, go to people who provided funding for construction of the Joyce Center. Remedying the problem remains difficult due to the way the gifts were configured. Dr. Cullinan added that the renovation of the Joyce Center may occasion significant changes in this situation. That renovation, Ms. Barbour added, occupies the highest priority within the Department of Athletics and will take the largest 'chunk' of money in our facilities plan. Prof. Pope-Davis: Any thoughts on securing a sponsor, such as Comcast or Dell, for the renovation? Not at this time, stated Dr. Cullinan.

**10. Adjournment:** The Chair adjourned the meeting at 6:30 p.m.



# Research

## Awards and Proposal Summary

05/01/2004 to 05/31/2004

### Awards Received

Category	No.	Amount
Research	61	\$10,550,737
Instructional Programs	1	\$64,500
<b>Total:</b>	<b>62</b>	<b>\$10,615,237</b>

### Proposals Submitted

Category	No.	Amount
Research	70	\$33,014,808
Instructional Programs	2	\$1,925,020
<b>Total:</b>	<b>72</b>	<b>\$34,939,828</b>

## May 2004 Cumulative summary

### Awards Received

Category	07.01.2001 - 05.31.2002		07.01.2002 - 05.31.2003		07.01.2003 - 05.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	386	\$47,700,632	340	\$60,008,711	371	\$61,129,467
Facilities and Equipment						
Instructional Programs	12	\$1,365,975	10	\$1,333,710	9	\$1,230,943
Other Programs					1	\$62,500
Service Programs						
<b>Total:</b>	<b>398</b>	<b>\$49,066,607</b>	<b>350</b>	<b>\$61,342,421</b>	<b>381</b>	<b>\$62,422,910</b>

### Proposals Submitted

Category	07.01.2001 - 05.31.2002		07.01.2002 - 05.31.2003		07.01.2003 - 05.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	611	\$201,399,850	547	\$147,817,745	689	\$253,918,056
Facilities and Equipment						
Instructional Programs	13	\$4,846,010	9	\$3,341,578	8	\$2,416,370
Other Programs						
Service Programs						
<b>Total:</b>	<b>624</b>	<b>\$206,245,860</b>	<b>556</b>	<b>\$151,159,323</b>	<b>697</b>	<b>\$256,334,426</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 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 May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Quad-Tilt-Rotor Fuselage Ramp Separation Control Using Plasma Actuators	Corporate Funding	\$169,061	19
Jumper, Eric J. (Center or Institute)	Flow Control for Improved Optical Propagation Through Turbulent Shear Flows	Corporate Funding	\$250,033	24
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
Renaud, John E.	Optimization Under Uncertainty	Sandia National Laboratory	\$35,280	13
Skaar, Steven B.	Modification and Testing of the Prototype Automatically Guided Wheelchair	Department of Veteran Affairs	\$7,800	26
<b>Department or Office:</b>	Anthropology			
Sheridan, Susan G.	Undergraduate Research in Biocultural Anthropology (REU Site)	National Science Foundation	\$70,038	36
<b>Department or Office:</b>	Biological Sciences			
Adams, John H (Center or Institute)	Molecular Analysis of Apical Organelles of Plasmodium	National Institutes of Health	\$259,875	12
Besansky, Nora J (Center or Institute)	Genetics of Anopheles Funestus Populations	National Institutes of Health	\$452,326	24
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$5,531	24

**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Duman, John G.	Antifreeze Proteins and Related Overwintering Adaptations of Artic and Subartic Insects	National Science Foundation	\$185,000	12
Li, Lei (Center or Institute)	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$259,875	24
Pollard, Morris (Center or Institute)	Mapping the Genetic Determinants for the Dietary Influence on Prostate Cancer	Medical College of Wisconsin	\$30,480	12
Romero-Severson, Jeanne	The Insect BAC Library Initiative: A Fundamental Resource for the Study of Evolution and Development.	National Science Foundation	\$198,615	18
Schorey, Jeffrey S. (Center or Institute)	M. Avium Gpls in Macrophage Activation and Virulence	National Institutes of Health	\$306,486	59
Severson, David William (Center or Institute)	RFLP Mapping of Plasmodium Refractory Genes in Mosquitoes	National Institutes of Health	\$297,000	12
Pollard, Morris Suckow, Mark A. (Center or Institute)	Coagulation Deficient Rats in Prostate Cancer	I.U. School Medicine	\$74,250	13
Welsh, JoEllen J	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	\$267,300	12
Tenniswood, Martin Welsh, JoEllen J.	Prostate Cancer, Calcium and Vitamin D	National Institutes of Health	\$330,190	48

**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Welsh, JoEllen J. Zinser, Glendon M.	Vitamin D and Wnt/B-catenin signaling in mammary cells	Private Funding	\$135,000	36
<b>Department or Office:</b>	Chemical Engineering			
Lamberti, Gary A Brennecke, Joan F	Risk Assessments of Novel Chemicals in the Environment	Department of Education	\$163,980	12
Palmer, Andre F. (Center or Institute)	Engineering Artificial Cells	National Science Foundation	\$12,000	45
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Brennecke, Joan F.	Measurement and Engineering Research and Standards - Fellowship for Eric Saurer	National Institute Standards & Technology	\$6,231	2
<b>Department or Office:</b>	Chemistry and Biochemistry			
Miller, Marvin J.	Consulting Program for 2004	Corporate Funding	\$30,000	12
Miller, Marvin J.	Bioactive Compounds From Acylnitroso Cycloadducts	National Institutes of Health	\$294,030	47
Sevov, Slavi C	Frameworks of Transition Metals and Multifunctional Linkers	National Science Foundation	\$6,000	36
Smith, Bradley Dennis	Rationally Designed Promoters & Inhibitors of Membrane Fusion	National Institutes of Health	\$267,300	36
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Kurama, Yahya C.	Precast Concrete Coupling Beams for RC Walls	National Science Foundation	\$139,872	30
Neal, Clive R.	The Geochemical Evolution of the Moon	National Aeronautics and Space Administration	\$50,000	36

**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Talley, Jeffrey W. Zhang, Xiangru	Mercury Speciation and Availability in Tidal Waters, Suspended Solids and Sediments from the San Francisco Bay	Private Funding	\$125,000	24
<b>Department or Office:</b>	Computer Science & Engineering			
Striegel, Aaron	SGER: GRIM Core Framework Development	National Science Foundation	\$10,750	12
<b>Department or Office:</b>	Electrical Engineering			
Costello, Daniel J.	Error Control Coding Techniques for Space and Satellite Communications	National Aeronautics and Space Administration	\$70,000	24
Fay, Patrick J Seabaugh, Alan C	Antimonide-based Compound Semiconductors	Corporate Funding	\$67,462	39
Walvoord, Barbara E. Costello, Daniel J. Huang, Yih-Fang Collins, Oliver M. Fuja, Thomas E.	Real-World Wireless Communications in the Graduate and Undergraduate Curriculum	National Science Foundation	\$6,000	36
Costello, Daniel J. Rosenthal, Joachim J. Massey, Peter C. Fuja, Thomas E.	ITR Collaborative Research: Toward Practical Graph-Based Coding Schemes for Reliable Wireless Communications	National Science Foundation	\$176,913	47
Merz, James L. Jena, Debdeep (Center or Institute)	Molecular Beam Epitaxial System for III-V Nitride Semiconductors	Department of Navy	\$375,000	12
Sauer, Ken D.	Conference on Ethics in Changing Energy Markets	Federal Energy Regulatory Commission	\$20,000	7

**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Fay, Patrick J. Bernstein, Gary H. Collins, Oliver M. Seabaugh, Alan C. (Center or Institute)	Mixed Signal Nanoelectronics	Department of Navy	\$225,000	48
Flynn, Patrick J. Stevenson, Robert L. Bowyer, Kevin W.	Multi-Source Image Correlation and Analysis	Department of the Air Force	\$75,000	8
<b>Department or Office:</b> Finance				
Bergstrand, Jeffrey H.	Causes and Consequences of the Growth of Regionalism	National Science Foundation	\$40,444	36
<b>Department or Office:</b> Institute for Latino Studies				
Hernandez, Edwin I. Burwell, Rebecca (Center or Institute)	The Latino FASTEN Chicago-based Pilot Project	Private Funding	\$16,413	3
<b>Department or Office:</b> Mathematics				
Cholak, Peter A. Knight, Julia F. Starchenko, Sergei Buechler, Steven A.	EMSW21-RTG: Research Training in Logic at Notre Dame	National Science Foundation	\$449,000	36
Han, Qing	Nonlinear Partial Differential Equations	National Science Foundation	\$108,061	36
Nicholls, David P.	FRG: Collaborative: Fully Nonlinear, Three-Dimensional, Surface Water Waves in Arbitrary Depth	National Science Foundation	\$5,000	36
Polini, Claudia	Studies of Integrality of Ideals	National Science Foundation	\$32,994	36



**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Rosenthal, Joachim J.	Research Conference: National Science 2004 IMA Summer Foundation Program for Graduate Students in Coding and Cryptography		\$18,600	12
Sigal, Israel Michael	Quantum and Classical Evolution	National Science Foundation	\$109,685	36
Starchenko, Sergei	Model Theory and O-Minimal Structures	National Science Foundation	\$108,000	36
<b>Department or Office:</b> Physics				
Wiescher, Michael C Garg, Umesh Aprahamian, Ani (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,400,000	36
Bennett, David P.	Observations and Analysis of Exotic Gravitational Microlensing Events	National Science Foundation	\$90,000	36
Furdyna, Jacek K.	Spin-Based Photonics University of Oregon Via Electromagnetically-Inc Transparency		\$46,109	36
Garnavich, Peter M. (Center or Institute)	Essence: Measuring the Dark Energy Equation of State	Private Funding	\$44,122	24
Rettig, Terrence W. (Center or Institute)	A Search for H3+ and CH4 in the Extended Atmosphere of Exoplanet HD209458b	Jet Propulsion Laboratory	\$9,800	12
Rettig, Terrence W. (Center or Institute)	Search for CO and H3+in Pre-Planetary Disks around Young Stellar Objects	Jet Propulsion Laboratory	\$15,800	12

**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Program of Liberal Studies				
Reydams-Schils, Gretchen J.	Calcidius' Commentary on Plato's Timaeus	Private Funding	\$48,996	30
<b>Department or Office:</b> Psychology				
Cummings, E. M. Borkowski, John G. (Center or Institute)	Promoting Healthy Families: Resolving Marital Conflict and Improving Marital Practices	Health & Human Services	\$695,870	17
Maxwell, Scott E. Boker, Steven M. Bergeman, Cindy S. Wenger, Michael J. Schuster, Christof Yuan, Ke-Hai	Neuroscience, Models, and Methods in Cognitive Aging	National Institutes of Health	\$15,000	12
<b>Department or Office:</b> Radiation Laboratory				
LaVerne, Jay A. (Center or Institute)	Radiolytic Decomposition of Water at Zirconia Interfaces	Corporate Funding	\$82,250	11
<b>Department or Office:</b> Sociology				
Cardenas, Gilberto (Center or Institute)	Berwyn/Cicero Hispanic/Latino Community Initiative in Education, Health and Family	Private Funding	\$1,107,837	60
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Children and Families in Latino Communities	Private Funding	\$100,000	12
Myers, Daniel J	Research on Riots, Protest, and Activism (REU Site)	National Science Foundation	\$52,079	24

**Awards received during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: University Libraries				
Dube, Elizabeth A.	Preservation of Catholic Tradition Collections: Phase One	National Endowment for the Humanities	\$449,999	24

**Awards for Instructional Programs**

Department or Office: Center for Social Concerns				
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	The National Youth Sports Program Fund	\$64,500	12

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Bowling, Alan P.	Dynamic Performance of the Human Musculoskeletal System	National Institutes of Health	\$75,000	12
Incropera, Frank P. Cunningham, Robert J.	Notre Dame Multidiscipline Engineering Center	Department of Energy	\$1,932,000	12
Ovaert, Timothy C. Pruitt, Lisa A. Schmid, Steven R. Niebur, Glen L. Roeder, Ryan K. Mason, James J.	A Center of Excellence in Orthopedic Research and Engineering	21st Century Research & Technology Fund	\$5,000,000	24
Powers, Joseph M. Paolucci, Samuel	Multiscale Continuum Modeling of Heterogeneous Energetic Material	Department of Army	\$383,210	36
Roeder, Ryan K.	Variable Diameter Fiber (VDF) Reinforcements for Biocomposites	Corporate Funding	\$30,870	12
Schmid, Steven R. Roeder, Ryan K. Renaud, John E. Crowninshield, Roy D. Niebur, Glen L.	Development and Commercialization of a Bone and Soft Tissue Scaffold	21st Century Research & Technology Fund	\$1,491,051	24

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Sen, Mihir	Optimization of Microchannel Configuration for Cooling	Corporate Funding	\$50,577	12
Sen, Mihir Renaud, John E.	Center for Energy Efficiency and Reliability	Purdue University Calumet	\$150,000	24
Thomas, Flint O. Dunn, Patrick F. Powers, Joseph M. Morris, Scott C. Corke, Thomas C.	Cavitation Suppression Technology	Corporate Funding	\$1,886,597	24
<b>Department or Office:</b> Anthropology				
Kuijt, Ian	Early Village Social Organization and Food Production	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b> Biological Sciences				
Hager, Kristin M.	Trafficking and Secretion of Invasion Proteins in Opportunistic HIV-1 Infections	National Institutes of Health	\$332,500	12
Lodge, David M.	IRCEB: Ecological Forecasting and Risk Analysis of Nonindigenous	National Science Foundation	\$10,000	12
McDowell, Mary A.	Sand Fly Genome Project and Anti-Saliva Vaccine Development Specific Aims	DARPA	\$2,000,000	12

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
McDowell, Mary A. Schorey, Jeffrey S.	Inhibition of Interleukin-12 in Leishmania-infected Macrophages	Medical College of Georgia	\$647,098	48
Romero-Severson, Jeanne Collins, Frank H.	Indiana Center for Insect Genomics	21st Century Research & Technology Fund	\$2,771,442	12
Welsh, JoEllen J.	Bioactivation of Vitamin D in Mammary Gland	National Institutes of Health	\$74,250	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Leighton, David T.	Commercialization of Zetafiltration	21st Century Research & Technology Fund	\$1,066,294	24
McGinn, Paul J.	Development of Combinatorial Screening Instrumentation	Corporate Funding	\$294,530	24
Mukasyan, Alexander S.	Joining of Refractory Materials: Carbon-Carbon Composites	21st Century Research & Technology Fund	\$337,908	24
Palmer, Andre F.	Shape Changing Liposomes	National Institutes of Health	\$225,000	12
Palmer, Andre F.	Polymersome Encapsulated Hemoglobin	National Institutes of Health	\$75,000	12
Palmer, Andre F.	Oxidized Monosaccharide Crosslinked Hemoglobin	National Institutes of Health	\$187,500	12



**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Palmer, Andre F.	High Molecular Weight High O2 Affinity O2 Carriers	National Institutes of Health	\$187,500	12
Palmer, Andre F.	Enhanced O2 Delivery to C3A Hepatocytes	National Institutes of Health	\$225,000	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Basu, Subhash C. Basu, Manju	Targeted Drug Delivery to Breast Cancer Cells	Department of Army	\$456,325	36
Basu, Subhash C. Chibber, Bakshy A. Basu, Manju	Apoptosis of Carcinoma Cells by Anti-Cancer Agents	National Institutes of Health	\$301,700	12
Castellino, Francis J.	The Protein C Pathway in Acute and Chronic Asthma	National Institutes of Health	\$300,000	12
Helquist, Paul Wiest, Olaf G.	Chiral Ligands for Metal-Catalyzed Reactions	National Institutes of Health	\$308,680	12
Joyce, David E.	The Protein C Pathway in Murine Sepsis	National Institutes of Health	\$300,000	12
Miller, Marvin J.	Bioinorganic Chemistry in the Environment	Private Funding	\$40,000	

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Mobashery, Shahriar	Identification of Matrix Metalloproteinases Important for Tumor Metastasis in Breast Cancer	Department of Army	\$450,000	36
Mobashery, Shahriar Chang, Mayland	Mechanism-Based Anticancer Agents	National Institutes of Health	\$1,196,167	12
Peng, Jeffrey W.	Center for Structure-based Systems Biology: A Center of Excellence Proposal to the Indiana 21st Century Fund	Indiana University Bloomington	\$146,789	24
Taylor, Richard E.	Synthesis of Biologically Significant Cyclopropanes	National Institutes of Health	\$262,500	12
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Neal, Clive R.	The Components of Mantle Plumes: The Role of Recycled Crust	National Science Foundation	\$189,136	24
Salvati, Lynn A. Vichit-Vadakan, Wilasa	Development of Guidelines for the Use of Ground Blast Furnace Slag as an Admixture for Clay Improvement	Corporate Funding	\$104,333	24

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Talley, Jeffrey W. Maurice, Patricia A. Ketchum, Lloyd H. Ostafin, Agnes E. Lemmon, Michael D.	Detection and Control of Combined Sewer Overflow Events Using Embedded Sensor Network Technology	21st Century Research & Technology Fund	\$1,906,472	24
<b>Department or Office:</b>	Computer Science & Engineering			
Scheutz, Matthias J. Seabaugh, Alan C. Bauer, Peter H.	RESPONSE- Robots for Effective Surveillance and Protection Operations in Natural and Societal Environments	21st Century Research & Technology Fund	\$974,361	24
<b>Department or Office:</b>	Electrical Engineering			
Fay, Patrick J.	Native Oxide HBTs for High Integration Level ICs	Corporate Funding	\$257,740	24
Fuja, Thomas E.	REU Supplement to Real-World Wireless Communications in the Graduate and Undergraduate Curriculum	National Science Foundation	\$8,000	3
Fuja, Thomas E.	REU Supplement to Real-World Wireless Communications in the Graduate and Undergraduate Curriculum	National Science Foundation	\$8,000	3

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Fuja, Thomas E. Costello, Daniel J. Laneman, J. N. Haenggi, Martin Collins, Oliver M. Huang, Yih-Fang	A University/Industry Partnership to Develop Advanced Tactical Military Radio Technology	21st Century Research & Technology Fund	\$1,415,106	24
Tabuada, Paulo Iordache, Marian V. Antsaklis, Panos J.	Correct by Design, Reusable Embedded Software	National Science Foundation	\$449,596	36
<b>Department or Office:</b>	English			
Huk, Romana C.	Trying to Say "God": In the Arc of Postmodern Theory	National Endowment for the Humanities	\$40,000	9
Krier, William J.	Geniuses, Women, and Other Monsters in American Film	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	Film, Television, and Théâtre			
Becker, Christine A.	Public Interest/Commercial Interest: British and American Broadcast Television in the Digital Age	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	Gender Studies Program			
White, Sophie K.	Trading Looks: Clothing and Colonization in French Colonial Louisiana 1699-1769	National Endowment for the Humanities	\$40,000	9

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	German and Russian Languages and Literatures			
Gillespie, Alyssa W.	Dangerous Verses: Crime and Conscience in the Works of Alexander Puskin	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	History			
Appleby, Robert S.	Indiana Center for Cultural Exchange, Purdue University- Visit to University of Notre Dame	Purdue University	\$16,469	12
<b>Department or Office:</b>	Mathematics			
Rosenthal, Joachim J.	Research Conference: 2004 IMA Summer Program for Graduate Students in Coding and Cryptography	National Science Foundation	\$18,600	12
<b>Department or Office:</b>	Music			
Johnson, Paul G.	How Composers Learn	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	Physics			
Barabasi, Albert-Laszlo	Collaboration Agreement Between the University of Notre Dame and (private partner)	Private Funding	\$360,000	36
Garnavich, Peter M.	PANS-Probing Acceleration Now with Supernovae	Space Telescope Science Institute	\$40,000	12

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Garnavich, Peter M.	Towards a Comprehensive Understanding of Type Ia Supernovae	Space Telescope Science Institute	\$12,000	12
Gibb, Erika L. Rettig, Terrence W.	Characterizing Volatile Composition in Preplanetary Disks	National Aeronautics and Space Administration	\$170,350	36
Rettig, Terrence W.	A Search for H3+ from Exoplanetary Atmospheres	National Aeronautics and Space Administration	\$176,630	36
Rettig, Terrence W.	Understanding the Evolution of PrePlanetary Disks	National Aeronautics and Space Administration	\$176,630	36
Ruchti, Randal C. Goussiou, Anna Hildreth, Michael D. Wayne, Mitchell R.	USCMS Hadron Calorimeter M&O Subsystem	University of California-Los Angeles	\$14,651	12
Ruggiero, Steven T. Tanner, Carol E.	Molecular Optomechanical Systems	National Science Foundation	\$566,261	36
Ruggiero, Steven T.	Dilutely Doped Aluminum for Nanoscale Device Applications	National Science Foundation	\$362,662	36



**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office: Political Science</b>				
Ayala, Louis J.	Civic Associational Diversity, Civic Engagement and Political Participation	Private Funding	\$60,000	12
Collins, Kathleen A.	Islam, Identity, and Conflict in Central Asia and the Caucasus	Private Funding	\$32,550	24
<b>Department or Office: Psychology</b>				
Boker, Steven M. Maxwell, Scott E. Borkowski, John G. Braungart-Rieker, Julia M. Cummings, E. M. Yuan, Ke-Hai Bergeman, Cindy S.	Quantitative Methodology for Gerontological Research	National Institutes of Health	\$317,566	12
Boker, Steven M.	Emotional Communication Dynamics and Development	University of Miami	\$47,264	12
Borkowski, John G. Whitman, Thomas L.	Research Training in Mental Retardation	National Institutes of Health	\$154,279	12
Borkowski, John G. Maxwell, Scott E. Whitman, Thomas L.	Precursors of Retardation in Children With Teen Mothers	National Institutes of Health	\$247,415	12

**Proposals submitted during the period May-01-2004 to May-31-2004**

Investigator(s)	Title	Sponsor	Dollars	Months
Carlson, Laura A.	The Formulation of Spatial Descriptions	National Institutes of Health	\$255,571	12
Kelly, Anita E.	Secrecy & Self-Presentation in Psychotherapeutic Change	National Institutes of Health	\$100,000	12
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto Hernandez, Edwin I.	Latino Chicago Capacity Project	Health & Human Services	\$800,000	12
Cardenas, Gilberto Ready, Timothy	Advancing Knowledge of Metropolitan Chicago's Growing Latino Population	Private Funding	\$297,678	24

**Proposals for Instructional Programs**

<b>Department or Office:</b>	Computer Science & Engineering			
Bowyer, Kevin W.	Integrating Computer Ethics Across the Curriculum: National Dissemination	Mercy College	\$480,810	60
<b>Department or Office:</b>	Physics			
Berry, Henry G.	A Comprehensive Model for Area-Wide Support for STEM Teacher Development	National Science Foundation	\$1,444,210	60

## Awards and Proposal Summary

### Centers and Institutes Report

05/01/2004 to 05/31/2004

#### Awards Received

Department or Office	No.	Amount
Center for Astrophysics	3	\$69,722
Center for Children and Families	1	\$695,870
Center for Flow Physics and Control	3	\$469,094
Center for Molecularly Engineered Materials	1	\$12,000
Center for Social Concerns	1	\$64,500
Center for Tropical Disease Research & Training	4	\$1,315,687
Center for Zebrafish Research	1	\$259,875
Institute for Latino Studies	3	\$1,224,250
Lobund Laboratory	2	\$104,730
Nano Science and Technology Center	2	\$600,000
Nuclear Structure Laboratory	1	\$1,400,000
Radiation Laboratory	1	\$82,250
<b>Total:</b>	<b>23</b>	<b>\$6,297,978</b>

#### Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$449,596
Center for Astrophysics	5	\$575,610
Center for Children and Families	1	\$247,415
Center for Flow Physics and Control	1	\$1,886,597
Center for Microfluidics and Medical Diagnostics	1	\$1,066,294
Center for Molecularly Engineered Materials	2	\$632,438
Center for Transgene Research	1	\$300,000
Center for Tropical Disease Research & Training	4	\$5,751,040
Institute for Latino Studies	2	\$1,097,678
John A. Kaneb Center for Teaching and Learning	1	\$1,444,210
Kroc Institute for International Peace Studies	1	\$16,469
Nano Science and Technology Center	1	\$257,740
Walther Cancer Institute Chair I	1	\$262,500
Walther Cancer Research Center	3	\$1,946,167
<b>Total:</b>	<b>25</b>	<b>\$15,933,754</b>

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2003 to 05/31/2004**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
ACE Educational Outreach	1	\$61,600
Center for Astrophysics	6	\$273,984
Center for Children and Families	4	\$2,604,952
Center for Civil and Human Rights	1	\$176,825
Center for Environmental Science and Technology	2	\$20,000
Center for Flow Physics and Control	21	\$1,809,897
Center for Molecularly Engineered Materials	6	\$4,420,745
Center for Social Concerns	2	\$128,000
Center for Transgene Research	4	\$3,013,843
Center for Tropical Disease Research & Training	13	\$3,828,602
Center for Zebrafish Research	5	\$1,170,810
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	13	\$1,833,000
Jacques Maritain Center	1	\$30,000
Kellogg Institute for International Studies	6	\$586,507
Keough Institute for Irish Studies	1	\$4,638
Kroc Institute for International Peace Studies	1	\$30,000
Lobund Laboratory	3	\$135,730
Nano Science and Technology Center	20	\$3,075,627
Nanovic Institute	1	\$1,500
Nuclear Structure Laboratory	2	\$1,451,150
Radiation Laboratory	5	\$1,026,413
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
<b>Total:</b>	<b>134</b>	<b>\$29,919,622</b>

## Awards and Proposal Summary

### Centers and Institutes Report

07/01/2003 to 05/31/2004

#### Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	3	\$2,282,575
Center for Astrophysics	15	\$3,175,685
Center for Children and Families	5	\$3,685,006
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	24	\$8,078,655
Center for Microfluidics and Medical Diagnostics	3	\$3,458,845
Center for Molecularly Engineered Materials	8	\$2,110,961
Center for Transgene Research	8	\$2,240,567
Center for Tropical Disease Research & Training	24	\$14,907,225
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	6	\$1,208,780
Freimann Life Science Center	7	\$2,756,347
Institute for Church Life	3	\$160,709
Institute for Educational Initiatives	1	\$150,007
Institute for Latino Studies	18	\$2,453,070
Interdisciplinary Center for the Study of Biocomplexity	2	\$2,710,010
John A. Kaneb Center for Teaching and Learning	1	\$1,444,210
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	9	\$506,727
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	34	\$38,688,111
Nuclear Structure Laboratory	2	\$72,130
Radiation Laboratory	4	\$17,795,790
Walther Cancer Institute Chair I	3	\$745,004
Walther Cancer Research Center	8	\$2,989,404
<b>Total:</b>	<b>208</b>	<b>\$118,759,926</b>

# Awards received during the period May-01-2004 to May-31-2004

## Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b> Center for Astrophysics				
Rettig, Terrence W. (Center or Institute)	A Search for H3+ and CH4 in the Extended Atmosphere of Exoplanet HD209458b	Jet Propulsion Laboratory	\$9,800	006270-001
Rettig, Terrence W. (Center or Institute)	Search for CO and H3+ in Pre-Planetary Disks around Young Stellar Objects	Jet Propulsion Laboratory	\$15,800	006271-001
Garnavich, Peter M. (Center or Institute)	Essence: Measuring the Dark Energy Equation of State	Private Funding	\$44,122	006249-001
<b>Department or Office:</b> Center for Children and Families				
Cummings, E. M. Borkowski, John G. (Center or Institute)	Promoting Healthy Families: Resolving Marital Conflict and Improving Marital Practices	Health & Human Services	\$695,870	006266-001
<b>Department or Office:</b> Center for Flow Physics and Control				
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Quad-Tilt-Rotor Fuselage Ramp Separation Control Using Plasma Actuators	Corporate Funding	\$169,061	006264-001
Morris, Scott C. (Center or Institute)	Experiments in Sound and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems	Department of Navy	\$50,000	006242-001
Jumper, Eric J. (Center or Institute)	Flow Control for Improved Optical Propagation Through Turbulent Shear Flows	Corporate Funding	\$250,033	006268-001
<b>Department or Office:</b> Center for Molecularly Engineered Materials				
Palmer, Andre F. (Center or Institute)	Engineering Artificial Cells	National Science Foundation	\$12,000	005548-001



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

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Center for Tropical Disease Research & Training				
Severson, David William (Center or Institute)	RFLP Mapping of Plasmodium Refractory Genes in Mosquitoes	National Institutes of Health	\$297,000	004578-001
Adams, John H (Center or Institute)	Molecular Analysis of Apical Organelles of Plasmodium	National Institutes of Health	\$259,875	005252-001
Besansky, Nora J (Center or Institute)	Genetics of Anopheles Funestus Populations	National Institutes of Health	\$452,326	005496-001
Schorey, Jeffrey S. (Center or Institute)	M. Avium Gpls in Macrophage Activation and Virulence	National Institutes of Health	\$306,486	006246-001
<b>Department or Office:</b> Center for Zebrafish Research				
Li, Lei (Center or Institute)	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$259,875	006161-001
<b>Department or Office:</b> Institute for Latino Studies				
Cardenas, Gilberto (Center or Institute)	Berwyn/Cicero Hispanic/Latino Community Initiative in Education, Health and Family	Private Foundation	\$1,107,837	005415-001
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Children and Families in Latino Communities	Private Foundation	\$100,000	005852-001
Hernandez, Edwin I. Burwell, Rebecca (Center or Institute)	The Latino FASTEN Chicago-based Pilot Project	Private Foundation	\$16,413	006245-001
<b>Department or Office:</b> Lobund Laboratory				
Pollard, Morris (Center or Institute)	Mapping the Genetic Determinants for the Dietary Influence on Prostate Cancer	Medical College of Wisconsin	\$30,480	006177-001

### Awards received during the period May-01-2004 to May-31-2004

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Pollard, Morris Suckow, Mark A. (Center or Institute)	Coagulation Deficient Rats in Prostate Cancer	I.U. School Medicine	\$74,250	006259-001
 <b>Department or Office:</b> Nano Science and Technology Center				
Fay, Patrick J. Bernstein, Gary H. Collins, Oliver M. Seabaugh, Alan C. (Center or Institute)	Mixed Signal Nanoelectronics	Department of Navy	\$225,000	005813-001
Merz, James L. Jena, Debdeep (Center or Institute)	Molecular Beam Epitaxial System for III-V Nitride Semiconductors	Department of Navy	\$375,000	006254-001
 <b>Department or Office:</b> Nuclear Structure Laboratory				
Wiescher, Michael C Garg, Umesh Arahamian, Ani (Center or Institute)	Nuclear Structure and Nuclear Astrophysics	National Science Foundation	\$1,400,000	005757-001
 <b>Department or Office:</b> Radiation Laboratory				
LaVerne, Jay A. (Center or Institute)	Radiolytic Decomposition of Water at Zirconia Interfaces	Corporate Foundation	\$82,250	006261-001

#### Awards for Instructional Programs

<b>Department or Office:</b> Center for Social Concerns				
Pettit, Rebecca T. (Center or Institute)	National Youth Sports Program	The National Youth Sports Program Fund	\$64,500	006255-001

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

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Applied Mathematics			
Tabuada, Paulo	Correct by Design,	National Science Foundation	\$449,596	04110664
Iordache, Marian V.	Reusable Embedded			
Antsaklis, Panos J.	Software			
<b>Department or Office:</b>	Center for Astrophysics			
Garnavich, Peter M.	PANS-Probing Acceleration Now with Supernovae	Private Funding	\$40,000	04110662
Rettig, Terrence W.	A Search for H3+ from Exoplanetary Atmospheres	National Aeronautics and Space Administration	\$176,630	04110678
Garnavich, Peter M.	Towards a Comprehensive Understanding of Type Ia Supernovae	Private Funding	\$12,000	04110669
Rettig, Terrence W.	Understanding the Evolution of PrePlanetary Disks	National Aeronautics and Space Administration	\$176,630	04110694
Gibb, Erika L.	Characterizing Volatile Composition in Preplanetary Disks	National Aeronautics and Space Administration	\$170,350	04110690
Rettig, Terrence W.				
<b>Department or Office:</b>	Center for Children and Families			
Borkowski, John G.	Precursors of Retardation	National Institutes of Health	\$247,415	04110689
Maxwell, Scott E.	in Children With Teen Mothers			
Whitman, Thomas L.				

**Proposals submitted during the period May-01-2004 to May-31-2004**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b>	Center for Flow Physics and Control			
Thomas, Flint O.	Cavitation Suppression Technology	Corporate Funding	\$1,886,597	04110648
Dunn, Patrick F.				
Powers, Joseph M.				
Morris, Scott C.				
Corke, Thomas C.				
<b>Department or Office:</b>	Center for Microfluidics and Medical Diagnostics			
Leighton, David T.	Commercialization of Zetafiltration	21st Century Research & Technology Fund	\$1,066,294	04110665
<b>Department or Office:</b>	Center for Molecularly Engineered Materials			
Mukasyan, Alexander S.	Joining of Refractory Materials: Carbon-Carbon Composites	21st Century Research & Technology Fund	\$337,908	04110655
McGinn, Paul J.	Development of Combinatorial Screening Instrumentation	Corporate Funding	\$294,530	04110671
<b>Department or Office:</b>	Center for Transgene Research			
Castellino, Francis J.	The Protein C Pathway in Acute and Chronic Asthma	National Institutes of Health	\$300,000	04110696
<b>Department or Office:</b>	Center for Tropical Disease Research & Training			
Hager, Kristin M.	Trafficking and Secretion of Invasion Proteins in Opportunistic HIV-1 Infections	National Institutes of Health	\$332,500	04110633

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

Investigator(s)	Title	Sponsor	Dollars	Proposal #
McDowell, Mary A. Schorey, Jeffrey S.	Inhibition of Interleukin-12 in Leishmania-infected Macrophages	Medical College of Georgia	\$647,098	04110699
McDowell, Mary A.	Sand Fly Genome Project and Anti-Saliva Vaccine Development Specific Aims	DARPA	\$2,000,000	04110638
Romero-Severson, Jeanne Collins, Frank H.	Indiana Center for Insect Genomics	21st Century Research & Technology Fund	\$2,771,442	04110666
<b>Department or Office:</b>	Institute for Latino Studies			
Cardenas, Gilberto Hernandez, Edwin I.	Latino Chicago Capacity Project	Health & Human Services	\$800,000	04110676
Cardenas, Gilberto Ready, Timothy	Advancing Knowledge of Metropolitan Chicago's Growing Latino Population	Private Funding	\$297,678	04110679
<b>Department or Office:</b>	Kroc Institute for International Peace Studies			
Appleby, Robert S.	Indiana Center for Cultural Exchange, Purdue University- Visit to University of Notre Dame	Purdue University	\$16,469	04110674
<b>Department or Office:</b>	Nano Science and Technology Center			
Fay, Patrick J.	Native Oxide HBTs for High Integration Level ICs	Corporate Funding	\$257,740	04110661

**Proposals submitted during the period May-01-2004 to May-31-2004**

**Centers and Institutes Report**

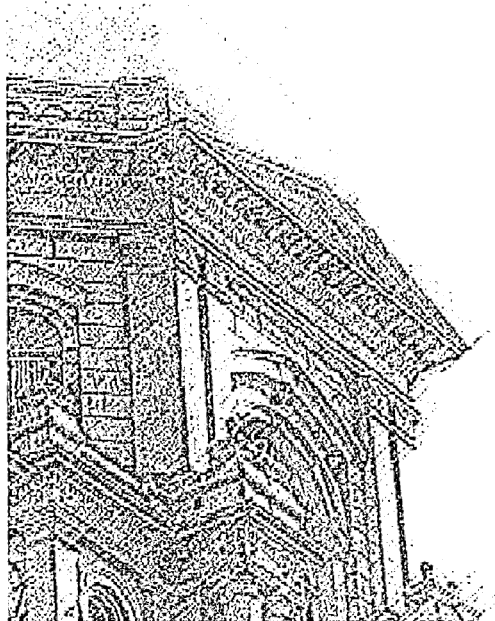
Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b>	Walther Cancer Institute Chair I			
Taylor, Richard E.	Synthesis of Biologically Significant Cyclopropanes	National Institutes of Health	\$262,500	04110687
<b>Department or Office:</b>	Walther Cancer Research Center			
Mobashery, Shahriar	Identification of Matrix Metalloproteinases Important for Tumor Metastasis in Breast Cancer	Department of Army	\$450,000	04110658
Mobashery, Shahriar Chang, Mayland	Mechanism-Based Anticancer Agents	National Institutes of Health	\$1,196,167	04110673
Joyce, David E.	The Protein C Pathway in Murine Sepsis	National Institutes of Health	\$300,000	04110695

**Proposals for Instructional Programs**

<b>Department or Office:</b>	John A. Kaneb Center for Teaching and Learning			
Berry, Henry G.	A Comprehensive Model for Area-Wide Support for STEM Teacher Development	National Science Foundation	\$1,444,210	04110691

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# Notre Dame Report



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