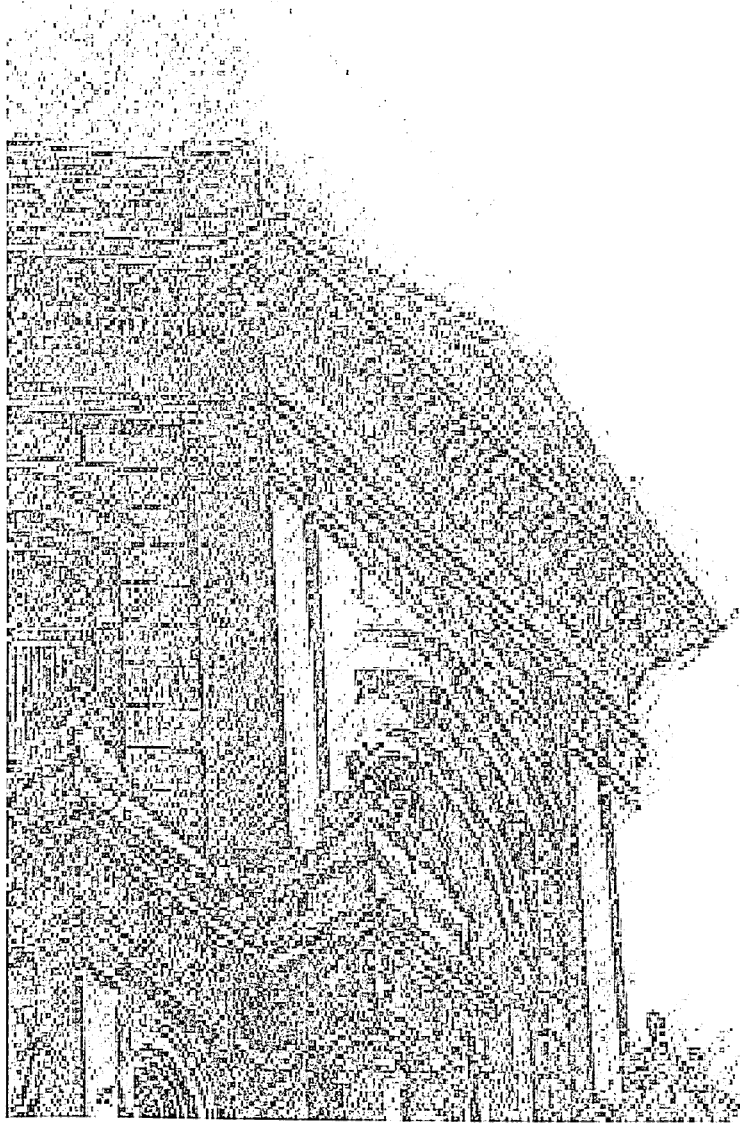


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Faculty Notes

Honors

Albert László Barabasu, the Hofman Professor of Physics, was elected a fellow of the American Physical Society.

David E. Campbell, assistant professor of political science and fellow of the Institute for Educational Initiatives, was elected to the executive council of the Religion and Politics section of the American Political Science Association.

Kevin J. Christiano, associate professor of sociology, was appointed to the editorial board of *Sociological Focus*, the official journal of the North Central Sociological Association.

Peter Diffley, associate dean in the Graduate School, was elected the secretary/treasurer of the Association of Graduate Schools in Catholic Colleges and Universities at its annual meeting held in San Francisco on Dec. 4.

Stefan G. Frauendorf, professor of physics, was elected a fellow of the American Physical Society.

Jill Godmilow, professor of film, television, and theatre, had her film *Antonia: A Portrait of the Woman* selected by the Library of Congress to the National Film Registry for 2003.

Lee Krajewski, the Daley Professor of Manufacturing Strategy, received the Distinguished Service Award from the Decisions Sciences Institute.

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, was appointed chair of the advisory council to the Princeton Univ. Dept. of German.

Activities

Peri E. Arnold, professor of political science, presented an invited paper "The American Presidency and National Security Authority: Bill Clinton and George W.

Bush Compared" to a conference on "War Power: The Presidency, New Wars, and the Constitutional State" sponsored by the Bavarian-American Academy and the Academy for Political Studies, Tutzing, Germany, Dec. 9-11.

Jay Brandenberger, professional specialist at the Center for Social Concerns and concurrent associate professor of psychology, chaired and served as a discussant for a panel titled "Moral Education" at the International Conference of Civic Education Research, New Orleans, Nov. 16-18.

David E. Campbell, assistant professor of political science and fellow of the Institute for Educational Initiatives, presented "Participation in National, Means-Tested School Voucher Program" with M.R. West and P.E. Peterson at the annual meeting of the Association for Public Policy and Management, Washington, D.C., Nov. 7; and "How Communities and Schools Shape Civic Engagement" at the International Conference on Civic Education Research, New Orleans, Nov. 16.

J.M. Crant, associate professor of management, presented "Speaking up When Encouraged: Predicting Voice Behavior in a Naturally Occurring Setting" at "Toward an Understanding of Voice Behavior in Organizations" and, with T.S. Bateman, "Revisiting Intrinsic and Extrinsic" at the meeting of the Academy of Management, Seattle, Aug. 5-6.

Peter Diffley, associate dean in the Graduate School, gave an invited presentation on patterns of attrition at the annual meeting of the Council of Graduate Schools, San Francisco, Dec. 2-6.

Glen Dowell, assistant professor of management, presented "Shift Happens: Exploration and Firm Survival in the Early U.S. Bicycle Industry" at the Univ. of Michigan Business School on Dec. 19.

Thomas A. Gresik, professor/concurrent professor of economic and econometrics, presented "Efficient Delegation by an Informed Principal" (cowritten with E. Bond)

at the Allied Social Science Association annual meeting, San Diego, Jan. 3.

Bei Hu, professor of mathematics, gave an invited lecture titled "Free Boundary Homogenization" at the workshop on Nonlinear Parabolic Equations at National Taiwan Normal Univ., Taipei, Dec. 18; and an invited talk titled "A Nonlinear Nonlocal Parabolic Equation for Channel Flow" at the workshop on Nonlinear PDE, National Taiwan Normal Univ., Dec. 22-23.

Kwan S. Kim, professor of economics and policy studies and fellow of the Kellogg Institute, organized, chaired, and participated in a panel on "Economic Integration in East Asia" at the Allied Social Science Association meeting in San Diego, Jan. 4.

Gary A. Lamberti, professor of biological sciences, presented an invited lecture "Influence of Salmon-Derived Nutrients on Stream Ecosystems in Alaska" at the Swiss Federal Institute of Science and Technology in Zurich, Nov. 20; and an invited seminar "Linkages among Aquatic Ecosystems—from Bacteria to Bears" to the Center for Ecology and Evolutionary Biology at the Univ. of Oregon, Eugene, Dec. 1.

Michael Lykoudis, professor and chair of Architecture, presented "Sustainability Trumps Style" to the Notre Dame Alumni Association of New York.

Nelson C. Mark, the DeCrane Professor of Economics and Econometrics, concurrent professor of finance, and fellow of the Kellogg Institute, presented "Official Interventions and Occasional Violations of Uncovered Interest Parity in the Dollar-DM Market" at the board of governors of the Federal Reserve Board, Washington D.C., Nov. 13, and at Michigan State Univ., Nov. 18.

Dan Meisel, professor of chemistry and biochemistry, presented a seminar "Interactions at Bimetallic Nanoparticle Interfaces" at Ben Gurion Univ., Beer Sheva, Israel, Dec. 16; and presented "Safety Issues in the Storage of High Level Waste" to the Israel Atomic Energy Commission, Tel-Aviv, Dec. 17.

Margaret Meserve, assistant professor of history, presented an invited seminar talk on "Debates over the Turkish Problem and the Renaissance Origins of the Newsbook" at the Univ. of Pennsylvania's Seminar on the History of Material Texts, Dec. 1.

Anthony N. Michel, the Freimann Professor Emeritus and McCloskey Dean of Engineering, presented "Generalized Practical Stability Analysis of Discontinuous Dynamical Systems" and "Stability Analysis of Discontinuous Dynamical Systems Determined by Semigroups" at the 42nd IEEE Conference on Decision and Control, Maui, Dec. 10.

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, presented "Religion and Intellectuals" at Saint Louis Abbey Monastery, St. Louis, Nov. 21.

Susan Guise Sheridan, the O'Neill Associate Professor of Anthropology, presented "Bioanthropological Analysis of the Cemetery at Qumran" at the Society for Biblical Literature meeting in Atlanta, Nov. 23.

Lee Tavis, the Smith Professor of Finance, presented the paper "The U.N. Global Compact Principles and Multinational Corporate Standards" at the "Symposium on Human Rights and the Private Sector," Basel, Switzerland, Nov. 27.

David Yamane, assistant professor of sociology, was a guest on Wisconsin Public Radio's *Ben Merens Show* on religion in the 2004 election, Dec. 24.

Publications

Francisco Aragón, visiting faculty fellow at the Institute for Latino Studies, published the poems "Poema" and "Veo lo que dices When You Write:" in *La Calaca Review* 1 (San Diego, 2003) and "Café Central" (English and Spanish versions) in *Terra Incognita* 4 (New York/Madrid, 2003).

David E. Campbell, assistant professor of political science and fellow of the Institute for Educational Initiatives, published "Following the Leader? Mormon Voting on Ballot Propositions" with J.Q. Monson, *Journal for the Scientific Study of Religion* 42, No. 4 (2003): 605–620.

Malgorzata Dobrowolska-Furdyna, professor of physics, published "Photoluminescence of CdSe Self-Assembled Quantum Dots: Experiments and Models" with R.A. Jones, J.M. Jarrison-Rice, L.M. Smith, H.E. Jackson, and **Jacek K. Furdyna**, the Marquez Professor of Physics and Nanovic Institute fellow, *Physical Review B* 68 (2003):

1–9; "Excitonic Luminescence from Non-Symmetriuc Heterovalent AlAs/BaAs/ZnSe Quantum Wells" with A. Kudelski, U. Bindley, J.K. Furdyna, and T. Wojtowicz, *Applied Physics Letters* 82 (2003): 1854–1856; "Spin-Selective Positioning of Wave Functions in Magnetically-Tunable Symmetric Triple Quantum Wells" with J.K. Furdyna and L.R. Ram-Mohan, *Optical Materials* 23 (2003): 79–82; "Transition from Island Formation to Pseudomorphic Growth in the Submonolayer CdSe/ZnSe Multilayer System" with M. Kim, J.K. Furdyna, S. Lee, M. Cheon, and H. Luo, *Applied Physics Letters* 83 (2003): 1728–1730; "Coupling between Magnetic-Non-Magnetic Semiconductor Quantum Dots in Double-Layer Geometry" with S. Lee, D.Y. Shin, L. Titova, M. Kutrowski, and J.K. Furdyna, *ibid.*: 2865–2867; "In_{1-x}Mn_xSb—A Narrow-Gap Ferromagnetic Semiconductor" with T. Wojtowicz, G. Cywiński, W.L. Lim, X. Liu, J.K. Furdyna, K.M. Yu, W. Walukiewicz, et al., *Applied Physics* 82 (2003): 4310–4312; "Curie Temperature Limit in Ferromagnetic Ga_{1-x}Mn_xAs" with K.M. Yu, W. Walukiewicz, T. Wojtowicz, W.L. Lim, X. Liu, U. Bindley, and J.K. Furdyna, *Physical Review B* 68 (2003): 41308–1–41308–4; "The Effect of Mn on Self-Assembled CdSe/ZnSe Quantum Dots" with S. Lee, L.V. Titova, M. Kutrowski, and J.K. Furdyna, *Journal of the Korean Physical Society* 42 (2003): S53–S53; and "Coherent Superposition of Electric- and Magnetic-Dipole Spin-Flip Transitions in Zinc-Blended Semiconductors" with J.K. Furdyna, *Journal of Superconductivity* 16 (2003): 647–659.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, published "Single-Wall Carbon Nanotube-Ferrocene Nanohybrids: Observing Intramolecular Electron Transfer in Functionalized SWNTs" with M. Marcaccio, D. Paolucci, F. Paolucci, N. Tagmatarchis, D. Tasis, E. Vázquez, and M. Prato, *Angew. Chem. International Edition* 42 (2003): 4206–4209; "Modulating Charge-Transfer in Topological Interactions in Topologically Different Porphyrin-C60 Dyads" with A. Hirsch, M. Scheloskei, E. Dietel, A. Troisi, F. Zerbetto, and M. Prato, *Chem. Eur. J.* 9 (2003): 4968–4979; "Probing Charge Separation in Structurally Different C60/exTTF Ensembles" with M.C. Díaz, M.A. Herranz, B.M. Illescas, N. Martín, N. Godbert, M.R.

Bryce, C. Luo, A. Swartz, and G. Anderson, *J. Org. Chem.* 68, No. 20 (2003): 7711–7721; "Excited-State Deprotonation and H/D Exchange of an Iridium Hydride Complex" with T. Suenobu, S. Ogo, and S. Fukuzumi, *Angew. Chem. Int. Ed.* 42 (2003): 5492–5495; "Electrostatic Assemblies of Fullerene-Porphyrin Hybrids: Toward Long-Lived Charge Separation" with D. Balbinot, S. Atalick, M. Hatzimarinaki, A. Hirsch, and N. Jux, *J. Phys. Chem. B* 107, No. 48 (2003): 13273–13279; and "Hydrogen Bonding Interfaces in Fullerene-TTF Ensembles" with M. Segura, L. Sánchez, J. de Mendoza, and N. Martín, *J. Am. Chem. Soc.* 125, No. 49 (2003): 15093–15100.

Alexander J. Hahn, professor of mathematics, director of the Honors Program of the College of Science, and director of the Kaneb Center, published "The Clifford Algebra in the Theory of Algebras, Quadratic Forms, and Classical Groups," Chap. 19: 307–325 in *Clifford Algebras—Applications to Mathematics, Physics, and Engineering*, R. Ablamowicz, ed., *Progress in Mathematical Physics* 34 (Boston: Birkhäuser, 2004).

Kevin Hart, professor of English, published the poem "Finland" in *Said the Rat! Writers at the Water Rat, 2000–2002*, J. Harrison and P. Ilton, eds. (Melbourne: Black Pepper Press, 2003): 152; "Secret Love" (*L'amoureuse en secret*) and "Leave for the Wind" (*Congé au vent*), both translated from the French of René Char, *Southerly* 63, No. 1 (2003): 50; *The Impossible* (Sydney: Vagabond Press, 2003); and "Kingdoms of God" in *Kant After Derrida*, P. Rothfield, ed. (Manchester: Clinamen Press, 2003): 153–173. He edited *Nowhere without No: In Memory of Maurice Blanchot* (Sydney: Vagabond Press, 2003).

Richard Jensen, guest professor of biological sciences, published an invited review article, "The Conundrum of Morphometrics," in the November 2003 issue of *Taxon*.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, published "Chromophore-Functionalized Gold Nanoparticles," written with K.G. Thomas, *Acc. Chem. Res.* 36, No. 12 (2003): 888–898; "Dynamics of Photoinduced Electron-Transfer Processes in Fullerene-Based Dyads: Effects of Varying the Donor Strength" with K.G. Thomas, V. Biju, M.V. George, and **Dirk M. Guldi**, associate professional

specialist in the Radiation Laboratory, *Chemphyschem* 4 (2003): 1299–1307; and “Quaternary Self-Organization of Porphyrin and Fullerene Units by Clusterization with Gold Nanoparticles on SnO₂ Electrodes for Organic Solar Cells” with T. Hasobe, H. Imahori, and S. Fukuzumi, *Journal of the American Chemical Society* 125, No. 49 (2003): 14962–14963.

Jay A. LaVerne, professional specialist in the Radiation Laboratory, published “H₂ Production in the Radiolysis of Water on UO₂ and Other Oxides” with L. Tandon, *J. Phys. Chem. B* 107, No. 49 (2003): 13623–13628.

Nelson C. Mark, the DeCrane of Economics and Econometrics, concurrent professor of finance, and Kellogg Institute fellow, published “Cointegration Vector Estimation by Panel DOLS and Long-Run Money Demand” with D. Sul, *Oxford Bulletin of Economics and Statistics* 65 (December): 655–680.

Margaret Meserve, assistant professor of history, published *Pius II, Commentaries*, edited by M. Meserve and M. Simonetta (Cambridge: Harvard Univ. Press, 2003); and “From Samarkand to Scythia: Reinventions of Asia in Renaissance Geography and Political Thought,” *Pius II: ‘El piu expeditivo pontifice.’ Selected Studies on Aeneas Silvius Piccolomini (1405–1464)*, Z. von Martels and A. Vanderjagt, eds. (Leiden-Boston: Brill, 2003).

Anthony N. Michel, the Freimann Professor Emeritus and McCloskey Dean of Engineering, published “Generalized Practical Stability Analysis of Discontinuous Dynamical Systems” in the *Proceedings of the 42nd IEEE Conference on Decision and Control* 2 (Dec., 2003): 1663–1668; “Stability Analysis of Discontinuous Dynamical Systems Determined by Semigroups,” *ibid.*: 1669–1674; and “Converse Theorems of the Principal Lyapunov Results for Partial Stability of General Dynamical Systems on Metric Spaces,” written with A.P. Molchanov, in *Nonlinear Studies* 10, No. 2 (2003): 113–114.

Juan Migliore, professor of mathematics, published the paper “A Symbolic Test for (i,j)-Uniformity in Reduced Zero-Dimensional Schemes” (cowritten with C. Peterson), in the *Journal of Symbolic Computation* 37, No. 3 (2004): 403–413.

Ken Milani, professor of accountancy, and M.C. Deda published “Cash-Flow Implications for Partnerships with Nonresident Alien Partners,” *Journal of International Taxation* 14, No. 6 (June) 26–33; and, with J. Kosteva, published “Calling It Quits: Tax Implications of Partnership Dissolution,” *Practical Tax Strategies* 70, No. 6 (June) 341–347.

Mark W. Roche, the O’Shaughnessy Dean and Joyce Professor of German Language and Literature, published *The Intellectual Appeal of Catholicism and the Idea of a Catholic University* (Notre Dame: Univ. of Notre Dame Press, 2003) and “*Mehrdeutigkeiten in Benns Verlorenes Ich*” in the *Gottfried Benn Jahrbuch* 1 (2003): 135–156.

Slavi C. Sevov, professor of chemistry and biochemistry, published “Synthesis and Characterization of Transition-Metal Zintl Phases: Cs₂Nb₂In₁₂As₁₈ and Cs₁₃Nb₂In₆As₁₀ with Isolated Complex Anions” with F.

Gascoin, *Inorganic Chemistry* 42 (2003): 8567–8571.

Julia Adeney Thomas, associate professor of history, published “‘To Become as One Dead’: Nature and Political Subjectivity in Modern Japan” in *The Moral Authority of Nature*, L. Daston and F. Vidal, eds. (Chicago: Univ. of Chicago Press, 2003).

Cameron Tuai, assistant librarian, published “Using Teamwork to Increase Why-Based Questioning in the Academic Reference Interview,” *Portal: Libraries and the Academy* 30 (2003): 663–670.

Joni Warner, associate librarian/coordinator of library instruction, published “Wireless Technology to Enhance Learning” in *LOEX News* 30, No. 3 (fall 2003): 6–7, 10.

David Yamane, assistant professor of sociology, published “Non-Hispanic Catholics in the 2004 Election” in *Religion in the News* 6 (fall 2003, Supplement): 5, 17.

Administrators' Notes

Publications

Alan S. Bigger, director of Building Services, published “Vacuums: Evolution of a Workhorse” with L.B. Bigger, *Maintenance Solutions* 18 (December): 18; and “On Beyond Zebra in Chicago!” with L.B. Bigger, *Executive Housekeeping Today* 26, No. 12 (December): 6–7+.

Documentation

James A. Burns, C.S.C., Graduate School Award

Nominations are requested for the James A. Burns, C.S.C. Graduate School Award given annually to a faculty member for distinction in graduate teaching or other

exemplary contributions to graduate education. Contributions can be in any or all of the following areas: building or developing a graduate program, teaching quality graduate courses, excellence as an adviser or thesis director, and excellence in service as a director of graduate studies or in any other similar position. This honor will be

presented at the President's dinner for the faculty in May, and the recipient will receive a citation and cash prize.

The nomination packet should include a minimum of four letters of support (two from students and two from faculty) but no more than six, and a copy of the nominee's CV. All documentation should be sent to the department chair, who will forward the complete packet to the Graduate School by Friday, March 8, 2004.

The first Notre Dame President with an advanced degree, a doctorate from the Catholic University of America, Father Burns was the leading reformer of Catholic education in this country in the first quarter of the 20th century. One of his most significant contributions was to raise academic standards by recruiting faculty with doctoral degrees.

James A. Burns, C.S.C., Graduate School Winners Since 1990

1989–1990 Rev. Ernan McMullin
 1990–1991 Lawrence Marsh
 1991–1992 Wilhelm Stoll
 1992–1993 Scott Maxwell
 1993–1994 Joan Aldous
 Francis J. Castellino
 1994–1995 Robert C. Johansen
 Kwang-Tzu Yang
 1995–1996 Jeanne D. Day
 1996–1997 Arvind Varma
 1997–1998 David Leege
 Thomas Mueller
 1998–1999 Gail Bederman
 1999–2000 Katherine O'Brien O'Keeffe
 2000–2001 Thomas Nowak
 2001–2002 Cindy Bergeman
 2002–2003 Joan Brennecke

Research Achievement Award

The Research Achievement Award is awarded annually to honor a distinguished Notre Dame faculty member who has made significant contributions to scholarship in his or her discipline and to the research and education goals of the University.

The deans of each of the colleges may nominate two full-time faculty members, currently active in research and teaching. In addition to a copy of the nominee's resumé, each nomination should include a

two-page letter that addresses the selection criteria:

- Evidence of the nominee's commitment to his or her profession and efforts to further the University's research and scholarship mission.
- The nominee's past research accomplishments and future research potential.
- Demonstration of universal recognition as a research leader.

The vice president for Graduate Studies and Research will appoint a committee to review the nominations. The committee will include one member from each of the colleges and will make recommendations to the vice president for Graduate Studies and Research, who will select the winner.

The award will consist of a plaque and a \$10,000 award placed in a discretionary research account for the recipient's use. The winner will also be recognized in the Commencement program and at the President's faculty dinner.

Nominations must be received by the vice president for Graduate Studies and Research, 416 Main Building, no later than March 8, 2004.

Research Achievement Award Winners

2000–2001 Arvind Varma
 2001–2002 Eugene Ulrich
 2002–2003 Maureen Hallinan

Faculty Award Nominations Sought

Established in the 1927–28 academic year by the Alumni Association, the Faculty Award singles out that faculty member who, in the opinion of his or her colleagues, has contributed outstanding service to the University of Notre Dame. Each year a selection committee, composed of prior winners and representing the colleges and the Law School, studies the recommendations submitted by former recipients of this award, the deans, and individual faculty members, and selects a winner.

Nominations must be received by Joy Vann-Hamilton, assistant provost, 300 Main Building, no later than March 8, 2004.

Faculty Award Winners Since 1960

1959–1960 Otto Bird
 1960–1961 John Frederick
 1961–1962 Milton Burton
 1962–1963 Stephen Kertes
 1963–1964 Raymond Gutschick
 1964–1965 Matthew Fitzsimons
 1965–1966 Bernard D. Cullity
 1966–1967 John Magee
 1967–1968 Rev. Charles E. Sheedy, C.S.C.
 1968–1969 Bernard Waldman
 1969–1970 James Massey
 1970–1971 Thomas Stritch
 1971–1972 Ernest Sandeen
 1972–1973 Rev. Ernan McMullin
 1973–1974 Robert E. Rodes Jr.
 1974–1975 Herbert E. Sim
 1975–1976 Ronald Weber
 1976–1977 Walter Miller
 1977–1978 J. Philip Gleason
 1978–1979 K.-T. Yang
 1979–1980 Frederick J. Crosson
 1980–1981 Jeremiah P. Freeman
 1981–1982 Morris Pollard
 1982–1983 James Kohn
 1983–1984 John Malone
 1984–1985 Rudy Bottei
 1985–1986 Rev. David Burrell, C.S.C.
 1986–1987 Paul Weinstein
 1987–1988 Ray Powell
 1988–1989 Robert A. Leader
 1989–1990 Edward J. Murphy
 1990–1991 Eugene Henry
 1991–1992 George B. Craig Jr.
 1992–1993 Lee Tavis
 1993–1994 Sonia Gernes
 1994–1995 Ralph McInerney
 1995–1996 Carol Ann Mooney
 1996–1997 William B. Berry
 1997–1998 George S. Howard
 1998–1999 Frank Reilly
 1999–2000 John Borkowski
 2000–2001 Yusaku Furuhashi
 2001–2002 Jean Porter
 2002–2003 Francis Castellino

Reinhold Niebuhr Award Nominations Sought

Rev. Theodore M. Hesburgh, C.S.C., and Chancellor Willy Brandt of West Germany were the first recipients of Reinhold Niebuhr awards sponsored by friends of the Protestant theologian and author. Receiving this award in September 1972, at ceremonies at Union Theological Seminary in New

York City, Father Hesburgh announced the establishment of a Reinhold Niebuhr Award at the University of Notre Dame. This award is made annually to a student, faculty member, or administrator whose life and writings promote or exemplify the area of social justice in modern life. The initial award to Father Hesburgh was \$5,000. This he turned over to the Notre Dame endowment to underwrite an annual cash award of \$250 for the winner of this campus honor. The selection committee includes representatives from the colleges and the Law School, Campus Ministry, Center for Social Concerns, rectors, Ladies of Notre Dame, and the student body. All members of the Notre Dame community are invited to submit recommendations for this award to Joy Vann-Hamilton, assistant provost, 300 Main Building, prior to March 8, 2004.

Reinhold Niebuhr Award Winners

- 1973 Msgr. John J. Egan
- 1974 CILA (Community for the International Lay Apostolate)
- 1975 George N. Shuster
- 1976 Rev. Louis Putz, C.S.C.
- 1977 Mr. and Mrs. Arthur Quigley
- 1978 Thomas P. Broden
- 1979 Rev. William Toohey, C.S.C.
- 1980 Rev. Don McNeill, C.S.C.
- 1981 Charles K. Wilbur
- 1982 Kenneth and Penny Jamieson
- 1983 Julian Pleasants
- 1984 John W. Hock and Oliver F. Williams, C.S.C.
- 1985 James Sterna
- 1986 John H. Yodel
- 1987 Stephen Borland
- 1988 Denis Goblet
- 1989 Sharon Lynn O'Brien
- 1990 John J. Gilligan
- 1991 Thomas and Nancy Shafer
- 1992 Patrick E. Murphy
- 1993 John Borkowski
- 1994 Bernard Doering
- 1995 Rev. Richard McCormick, S.J.
- 1996 Rev. William M. Lewers, C.S.C.
- 1997 Rev. Joseph D. Ross, C.S.C.
- 1998 Lee Tavis
- 1999 Robert E. and Jeanne Rodes
- 2000 Kathleen Maas Weigert
- 2001 Dinah Shelton and R. Scott Appleby
- 2002 Rev. Patrick Gaffney, C.S.C.
- 2003 George Lopez

Grenville Clark Award Nominations Sought

On October 20, 1978, Father Hesburgh was one of three recipients of the Grenville Clark Prize, an award given every three years by the Grenville Clark Fund at Dartmouth College. Following the procedure established when he won the Reinhold Niebuhr Award in 1972, Father Hesburgh donated the \$5,000 Clark stipend to the Notre Dame endowment to underwrite a cash prize of \$250 to be awarded each year. This award is made to a faculty member, administrator, or student whose volunteer activities serve to advance the cause of peace and human rights to which Grenville Clark devoted his extraordinary life of public service. The selection committee includes representatives from the colleges and Law School, Campus Ministry, Center for Social Concerns, rectors, Ladies of Notre Dame, and the student body. All members of the Notre Dame community are invited to submit recommendations for this award to Joy Vann-Hamilton, assistant provost, 300 Main Building, prior to March 8, 2004.

Grenville Clark Award Winners

- 1979 Peter Walshe
- 1980 James and Mary Ann Roemer
- 1981 Sr. Judith Ann Beattie, C.S.C.
- 1982 Kenneth W. Milani
- 1983 Peggy Roach
- 1984 The Notre Dame Legal Aid and Defender Association
- 1985 Cecil and Mary Mast
- 1986 Rev. Robert F. Griffin, C.S.C.
- 1987 Conrad Kellenberg
- 1988 D'Arcy Chisholm and David Link
- 1989 Lloyd and Shelly Ketchum
- Kevin and Kathy Misiewicz
- 1990 Peter Morgan and Sr. Anne Giarrante, O.S.F.
- 1991 Kathleen Maas Weigert and Delores Tantoco-Stauder
- 1992 Rev. H. Thomas McDermott, C.S.C.
- 1993 Michael and Christine Etzel
- 1994 Bro. Bonaventure Scully, C.F.X.
- 1995 Eugene J. McClory
- 1996 Jennifer A. Morehead
- Matthew Fitzgerald
- 1997 Thomas V. Merluzzi

- 1998 Jerry and Marge Marley
- 1999 Teresa Phelps
- 2000 Dave Kirkner
- 2001 Roger Jacobs
- 2002 Stephen Silliman
- 2003 Kenneth Hendricks

Foik Award Nominations Sought

The Rev. Paul J. Foik Award Committee invites nominees for the award, which is given annually to a library faculty member who has contributed significantly to library service to the Notre Dame community or to the library profession through personal scholarship or involvement in professional associations. The award is named for the Holy Cross priest who served as director of Notre Dame's library from 1912 to 1924 and was a leading figure in the library profession in the first quarter of the 20th century. It is among those announced at the President's faculty dinner in May. Previous winners, beginning with the first award in 1991, include Maureen Gleason, Robert Havlik, Joseph Huebner, Rafael Tarrago, Janis Johnston, Charlotte Ames, Dwight King Jr., Stephen Hayes, Katharina Blackstead, Margaret Porter, Lucy Salisbury Payne, Laura Anderson Bayard, and Joanne Bessler.

All members of the University Libraries' and Law Library faculty with two or more years' service are eligible. Please send letters of nomination to the Reverend Paul J. Foik Award Committee, c/o Melodie Eiteljorge, 221 Hesburgh Library, by March 8, 2004. Such letters should include reasons for considering the nominee for this award.

Errors and Omissions

On the *Administration* listings in issue 4, the following corrections and additions should be noted:

Page 66, under *Provost*:

Gordon Wishon, M.S.C.S.
Associate Vice President
Chief Information Officer
Associate Provost

Joseph Schellinger, M.S.A.
Director of Academic Facilities
Management

John Haynes

Judd and Mary Lou Leighton Director of Performing Arts and Executive Director of the De Bartolo Center for the Performing Arts

Page 66, under *Executive Vice President:*

Gordon Wishon, M.S.C.S.
Associate Vice President
Chief Information Officer
Associate Provost

Page 71, after Center for Transgene Research:

Center for Tropical Disease Research and Training
Frank Collins, Ph.D.
Director

Page 76, under *Faculty Grievance Committee:*

Kathleen Peterson, Special Professional Faculty 2004
Mary Prorok, Special Professional Faculty 2004

The faculty information for the following was incorrect in issue 4 and should read as follows:

Ani Aprahamian, *Chair and Professor of Physics and Director of the Nuclear Structure Laboratory*. B.A., Clark Univ., 1980; Ph.D., *ibid.*, 1986 (1989)

Vincent P. DeSantis, *Professor Emeritus*. B.S., West Chester Univ., 1941; Ph.D., Johns Hopkins Univ., 1952. (1949)

Laura Holt, *Associate Professional Specialist and Concurrent Associate Professional Specialist in Theology*. B.A., Vassar College, 1968; M.A., Univ. of Notre Dame, 1992; Ph.D., *ibid.*, 1999 (1999)

Patricia Maurice, *Professor of Civil Engineering and Geological Sciences and Director of the Center for Environmental Science and Technology*. B.A., Johns Hopkins, 1982; M.S., Dartmouth, 1985; Ph.D., Stanford, 1994 (2000)

Sophie Kirsten White, *Assistant Professional Specialist and Assistant Director of the Program in Gender Studies*. M.A., Univ. of Edinburgh, 1990; M.A., Univ. of London, 1993; Ph.D., *ibid.*, 2000 (2001)

Faculty Board on Athletics

Meeting of November 6, 2003

Members Present: Prof. Fernand Dutile (Chair); Prof. Matthew Barrett; Mr. Bobby Brown; Dr. Matthew Cullinan; Prof. Stephen Fallon; Mr. Patrick Holmes; Prof. David Kirkner; Prof. Layna Mosley; (Rev.) Mark Poorman, C.S.C.; Prof. Donald Pope-Davis; and Prof. John Weber.

Members Absent: Prof. Harvey Bender; Prof. John Borkowski; Prof. Umesh Garg; and Dr. Kevin White.

Observers Present: Ms. Sandy Barbour and Ms. Missy Conboy, both of the Department of Athletics; and Ms. Kitty Hoyer, recorder.

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

2. Minutes of previous meeting: Dr. Cullinan moved that the minutes of the meeting of October 9, 2003, be approved. Prof. Barrett seconded that motion, which passed unanimously.

3. Announcements: The Chair announced that he had approved, on behalf of the Board, the following team schedules: softball (2003-04); men's and women's fencing (2003-04); women's lacrosse (spring 2004); and women's swimming (2003-04), including competition scheduled for the last week of class and specifically approved by the Board at its meeting of October 9, 2003. The Chair has approved, for men's basketball, a revision that moves Notre Dame's home game against Georgetown University from Wednesday, March 3, 2004, to Thursday, March 4, 2004.

The Chair also has approved, on the Board's behalf, the following team captains for 2003-04, all of whom meet the University's criteria for appointment: Neil Komadoski and Rob Globke (hockey), who join Aaron Gill, previously approved as a captain; and Steve Sollman, Javier Sanchez and Chris Niesel (baseball).

Following these announcements, the Board ratified the Chair's decisions with regard to team schedules and captains.

4. Report on academic progress of grant-in-aid students versus other student athletes: In an earlier Board discussion of

academic progress of student-athletes generally, it had been suggested that comparing the academic profiles of grant-in-aid student-athletes (*i.e.*, those receiving any athletics-related financial aid) with those of other student-athletes might be instructive. Mr. Holmes, as director of the Office of Academic Services for Student-Athletes, distributed to the Board a chart entitled *Spring '03 Semester GPA: All Student-Athlete/G.I.A. Student-Athlete Comparison*. The average GPA of all 677 student-athletes (3.132) exceeded that of the 360 grant-in-aid student-athletes (3.048) by .084. Eight varsity teams reflected higher GPAs for grant-in-aid student-athletes than for all student-athletes; fourteen teams showed a lower GPA for grant-in-aid student-athletes than for all student-athletes. By team, the difference between GPAs for grant-in-aid student-athletes and all student-athletes ranged from -.188 (football) to +.115 (women's soccer).

Professor Barrett pointed out that including grant-in-aid student-athletes in both groups dilutes the differences in GPA. For example, the GPA difference between all non-grant-in-aid student-athletes and grant-in-aid student-athletes is -.18; the difference between the two groups on the football team is -.64. Mr. Holmes stated that his office did not "weight" the figures that way but was not trying to conceal anything by combining the two groups in the "total" category. Ms. Barbour suggested that setting out three categories (all, grant-in-aid, and non-grant-in aid) might be the most helpful breakdown, at least, Professor Barrett added, when there are at least five students in each category. In response to a question from Prof. Pope-Davis, Ms. Barbour reported that at least fifty percent of non-grant-in-aid student-athletes receive financial aid from non-athletics-related sources. Prof. Kirkner: What about "at-risk" student-athletes? Do we define "at-risk" differently today? A few years ago, he continued, we did a study of such student-athletes and used a grade-point average under 2.2 as the criterion for being at-risk. But now GPAs have all shifted upward due to grade inflation. The Chair remembered that a relatively recent study done by the University's Office of Institutional Research showed virtually no grade inflation at Notre Dame if one adjusts for

entering credentials. Mr. Holmes observed that there is no one definition of "at-risk." The bar is set at different heights for different student-athletes. Some who earn a 2.4 or a 2.6 have gotten all they could out of a Notre Dame education. Father Poorman noted the importance of recognizing the extent to which our typical student has improved over the years, exacerbating the difference between that student and some student-athletes, especially in the high-profile sports. The Chair thanked Mr. Holmes for his report.

5. Report on student-athletes living off-campus: Each year, the director of the Office of Academic Services for Student-Athletes reports to the Board on the academic progress of grant-in-aid student-athletes who have chosen to live off-campus during their senior year. Mr. Holmes distributed to Board members two documents entitled, respectively, *Senior G-I-A Student-Athletes Living Off-Campus: Academic Performance Fall 2002*, and *Senior G-I-A Student-Athletes Living Off-Campus: Academic Performance Spring 2003*. During fall 2002, thirty-two of the forty-six student-athletes living off-campus earned a semester GPA higher than their cumulative GPAs; fourteen earned a semester GPA lower than their cumulative GPAs. The average student in this group showed a semester GPA .107 higher than that student's cumulative GPA. Among these students, the difference between semester GPA and cumulative GPA ranged from -.651 to +.500. During spring 2003, thirty-five of the forty-six student-athletes living off-campus earned a semester GPA higher than their cumulative GPAs; eleven earned a semester GPA lower than their cumulative GPAs. The average student in this group showed a semester GPA .162 higher than that student's cumulative GPA. Among these students, the difference between semester GPA and cumulative GPA ranged from -.601 to +.733. Of the forty-six students who lived off-campus, forty-four graduated, one returned for a fifth year of eligibility and one, though having exhausted athletics eligibility, returned to the University in order to earn student-teaching credits. The Chair thanked Mr. Holmes for his report.

6. Report on spring semester for fifth-year student-athletes: The Chair reported that he had added this item to the agenda at the

request of Prof. Weber. Prof. Weber cited as the genesis of his concern a discussion in the subcommittee on academic integrity that suggested that some fifth-year, second-semester student-athletes used the University not for academic purposes, but rather as a training facility for enhancing prospects as a professional athlete. Such student-athletes attended few if any classes. Some who did attend classes seemed to care little about how they did in those courses and too often failed them. He saw the need for a full-Board discussion of the matter. Both Mr. Holmes and Ms. Barbour acknowledged the problem. The latter emphasized that the Department of Athletics found such use of the University unacceptable. The problem seems focused on football for two reasons: the greater prospects for professional opportunities in that sport and the fact that football is a fall sport. Administrators in the Department met with Coach Willingham who, along with the administrators, subsequently met with the football team's Leadership Council. The University's expectations regarding the spring semester of the fifth year were stressed, as well as the unacceptability of using that semester only as an athletics training term. The Leadership Council agreed fully with these expectations and "signed on" to them. Accordingly, the Department of Athletics drafted a policy under which, with regard to student-athletes on the football team, the Department will no longer issue grants-in-aid for the entire fifth year, but rather for only one semester at a time. The student-athlete will receive an offer of a grant-in-aid for the spring semester only if expectations for the fall semester were met. Even in the spring semester, Ms. Barbour continued, if we learn they are not attending their classes, we will "pull the plug" on them. Prof. Pope-Davis: What recourse do we have if they just leave during the semester? We can withhold their transcript, Ms. Barbour answered. Informed that the policy was now in effect, Prof. Pope-Davis worried about a retroactive application. We discussed this with those student-athletes in August, Ms. Barbour stressed, before the fall term began. The Chair noted that the policy does not address the number of credits the student-athlete must carry during the spring semester; the University's minimum-credit rules for fifth-years do not

apply when the student is not competing. Nonetheless, Prof. Barrett added, the rule does wield great importance. For example, in a semester like this one, when a Bowl game seems unlikely, the rule provides an incentive for the student-athlete to remain academically engaged lest the grant-in-aid for the spring semester be lost. Ms. Barbour agreed that the rule eventuated due to football but noted that it could play a role in the spring scenario of other sports by creating a disincentive for a student-athlete to disengage academically once the playing season ended. Prof. Mosley: What about a student who fails a course in the fall? Do we inevitably withhold a spring grant-in-aid? Ms. Barbour: That would depend on an individual assessment of the situation; termination will result only from bad faith. In any event, any non-renewal can be appealed to the appeals board. The Chair pointed out that the policy's phrase "may return in the spring" could be read to create an entitlement. Mr. Brown observed that any termination could carry huge financial implications. How strict will the Department of Athletics be? I understand the concern, but preparing for the NFL draft, the objective of many football players during that spring semester, will occasion many missed classes. Moreover, this is a two-way street. These athletes offer a lot to program. Younger athletes see them working out for the NFL combines and the older players can be a good influence on the younger athletes and on recruits. These fifth-years make serious sacrifices, too. When he found himself in that situation, he decided to stay in South Bend rather than go to South Florida. Ms. Barbour acknowledged Mr. Brown's concerns. These athletes justifiably feel that we owe them something, but not without some academic engagement. Alas, although some of these athletes took their academic work seriously and worked things out with their professors, others just "blew off" the semester. Agreeing, Prof. Mosley stressed that she would look favorably on a student-athlete who came to her to explain the necessity of missing class for the "combines;" such a student exercises responsibility and she would give him credit for that. Prof. Weber suggested that we monitor which courses such student-athletes take in order to assess any unwholesome pattern. Ms. Barbour concluded by stating that the Department would make needed changes in its written policy on this topic.

7. Reorganization of the Department of Athletics: Ms. Barbour reported briefly on the recent reorganization of the Department of Athletics. That reorganization resulted from the retirement of associate athletics director Tom Kelly on July 1, 2003. That retirement occasioned a reduction in the number of senior staff from seven to six, among whom Mr. Kelly's responsibilities were distributed. On July 1, several promotions took effect. Ms. Barbour became deputy director of athletics, while Ms. Missy Conboy, Mr. Bernard Muir and Mr. Jim Phillips became senior associate athletics directors. Ms. Barbour pointed out that this reorganization followed fast upon that occurring during the Summer of 2001. At that time, when Mr. Bubba Cunningham left the Department to assume the directorship of athletics at Ball State University, Mr. William Scholl assumed Mr. Cunningham's duties. No replacement was named, however, for Mr. Scholl; his duties too were assigned to existing personnel.

8. Report on Conference Affiliation: To put this issue in context, the Chair rehearsed recent developments. Ms. Barbour then elaborated on the many implications attending the recent realignments affecting many athletics conferences. At present Notre Dame is "staying the course" with the Big East; we are, however, "monitoring the landscape." During a lengthy discussion, Ms. Barbour also explained the current status of the NBC and BCS (Bowl Championship Series) contracts, both of which expire in 2005.

9. NCAA report on intercollegiate-athletics spending: At this point the Board discussed a study commissioned by the NCAA and entitled *The Empirical Effects of Collegiate Athletics: an Interim Report*. Among its conclusions: 1) in the aggregate, operating expenses for intercollegiate athletics constitute a relatively small part of spending at Division I-A institutions; 2) football and basketball "markets" exhibited increased levels of inequality between 1993 and 2001; 3) football and basketball "markets" exhibit some degree of mobility in expenditures, revenues, and winning percentages; 4) over the medium term, at least, increases in operating expenditures on football or men's basketball are not associated with any change, on average, in operating net revenue; 5) such increases in operating expen-

ditures are not associated with medium-term increases in winning percentages, and higher winning percentages are not associated with medium-term increases in operating revenue or operating net revenue; 6) within the parameters of the study, the authors could not prove a correlation between increased operating expenses on big-time sports and a) expenditures on other sports; b) measurable academic quality or c) other measurable indicators, including alumni giving; and 7) the hypothesis that football and basketball markets exhibit an "arms race" in which increased expenditures in one institution are associated with such increases in other institutions could not be proven from the available data. The authors did make clear, however, that their results must be qualified. Among other limitations, the study did not assess capital, as opposed to operating, expenditures and involved a relatively brief period of only eight years.

In discussing the report, Ms. Barbour found incredible any assertion of an absence of an "arms race." Prof. Barrett wondered whether athletics success at Notre Dame translates into better-quality students, higher donations and so forth. Can we apply this national study to our unique situation at Notre Dame? Dr. Cullinan reported that last year's applicant pool reflected one of the most diverse such groups in Notre Dame's history. Nonetheless, it remains difficult to attribute that fact to athletics success. The people in development here maintain there is no connection between our athletics achievements and the level of giving. Prof. Mosley wondered whether the study took into account cost-of-living differentials. Dr. Cullinan agreed that there are some differences—real estate, for example, but stated that many expenses remain the same across the country.

10. Reports of subcommittees: Prof. Barrett, for the subcommittee on student welfare, reported on the issue of alleged gender bias in the *Notre Dame Victory March*, an issue brought to the Board by a member of the faculty. With regard to copyright, Prof. Barrett noted that the song's refrain, written in 1908, is in the public domain in the United States. Since the verse was not written until 1928, however, it will remain under copyright until the year 2023. The copyright holder, Edwin H. Morris & Co., Inc., indicated

that it would consider selling its rights, but only for a substantial fee. Prof. Barrett stated that his subcommittee would next discuss this issue with the Student-Athlete Advisory Council on November 12. This meeting should reveal how student-athletes themselves view the gender aspects of our fight song. Two other issues have been submitted to the subcommittee: 1) the desire for a course on life goals, an issue seemingly more suited to the subcommittee on academic integrity; and 2) student-athletes' need for additional space for structured study and tutoring. The subcommittee is addressing this concern with Mr. Holmes.

Prof. Fallon reported that the subcommittee on communication is pursuing ways in which to facilitate communication between the Board and the rest of the Notre Dame community. It would like to see a regeneration of the Bridge Series, previously overseen by the Mendelson Center for Sports, Character and Community. The subcommittee will also look into creating a web page to educate the community on what the Faculty Board is and does. Finally, the subcommittee is studying ways to allow Board members to deliberate regarding prospective votes that, due to time sensitivity, must be taken between formal meetings; the idea of a "listserve" received little subcommittee support, in part due to concerns regarding confidentiality. Conference calls might provide a solution to the problem.

11. Adjournment: The Chair adjourned the meeting at 7 p.m.

Research

Awards and Proposal Summary

11/01/2003 to 11/30/2003

Awards Received

Category	No.	Amount
Research	28	\$2,003,595
Total:	28	\$2,003,595

Proposals Submitted

Category	No.	Amount
Research	70	\$33,952,620
Total:	70	\$33,952,620

November 2003 Cumulative summary

Awards Received

	07.01.2001 - 11.30.2001		07.01.2002 - 11.30.2002		07.01.2003 - 11.30.2003	
Category	No.	Amount	No.	Amount	No.	Amount
Research	183	\$18,082,462	144	\$27,315,240	176	\$27,538,416
Facilities and Equipment						
Instructional Programs	9	\$1,184,402	9	\$905,016	8	\$1,166,443
Other Programs					1	\$62,500
Service Programs						
Total:	192	\$19,266,864	153	\$28,220,256	185	\$28,767,359

Proposals Submitted

	07.01.2001 - 11.30.2001		07.01.2002 - 11.30.2002		07.01.2003 - 11.30.2003	
Category	No.	Amount	No.	Amount	No.	Amount
Research	300	\$98,004,949	262	\$80,975,109	329	\$137,665,576
Facilities and Equipment						
Instructional Programs	5	\$3,763,223	6	\$3,048,092	2	\$88,533
Other Programs						
Service Programs						
Total:	305	\$101,768,172	268	\$84,023,201	331	\$137,754,109

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 product. 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 Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	ACE Educational Outreach			
Johnstone, Joyce V.	I-READ Cognitive Coaching Follow-up Conference	Indiana Department of Education	\$54,541	10
Johnstone, Joyce V.	I-READ Professional Development Conference #4	Indiana Department of Education	\$139,625	9
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C.	Weakly Ionized Plasma Actuators for Flow Control	Corporate Funding	\$25,300	12
Department or Office:	Biological Sciences			
Belovsky, Gary E.	Lter Luquillo Experimental Forest	University of Puerto Rico	\$13,986	12
Duman, John G.	Structure/Function Studies of Antifreeze Proteins and their Enhancers from the Beetle <i>Dendriodes canadensis</i>	National Science Foundation	\$120,000	24
Department or Office:	Center for Civil and Human Rights			
Mendez, Juan E. Meintjes, Garth	Experts' Meeting on Protecting Human Rights in the Context of Terrorism and the Efforts to Combat It: A Need for New or Refined Standards	Private Funding	\$24,000	12
Department or Office:	Chemistry and Biochemistry			
Mobashery, Shahriar	Novel Approach for Inhibition of the MT1-Gelatinase Axis in Cancer Invasion	Wayne State University	\$221,345	12
Department or Office:	Civil Engineering and Geological Sciences			
Kareem, Ahsan	Full-Scale Study of the Behavior of Tall Buildings Under Winds	National Science Foundation	\$12,250	48

Awards received during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Westerink, Joannes J	Hydrodynamic Modeling of Flooding Events in Southern Louisiana	Louisiana State University	\$7,500	48
Department or Office:	Computer Science & Engineering			
Flynn, Patrick J.	CRADA: Collaboration, Corporate Funding Investigation, and Evaluation of Iris Recognition Technology		\$0	12
Izaguirre, Jesus A	CAREER: Scalable Mathematical and Computational Models for Biomolecular Modeling	National Science Foundation	\$62,370	36
Department or Office:	Economics			
Betson, David M.	Determinates of Winning Infant Formula Contracts and the Impact on Wholesale Prices	Department of Agriculture	\$70,000	24
Department or Office:	Electrical Engineering			
Fay, Patrick J Bunker, Bruce A Kosel, Thomas H Hall, Douglas C Snider, Gregory L (Center or Institute)	Electronic Properties and Device Applications of III-V Compound Semiconductor Native Oxides	Department of the Air Force	\$86,719	36
Snider, Gregory L. Merz, James L. (Center or Institute)	Near-Field Optical Investigation of Si/Ge Quantum Dots (MRSEC Seed Project)	University of Virginia	\$99,970	44
Department or Office:	English			
Staud, John J. (Center or Institute)	ACE Program	Private Funding	\$61,600	36

Awards received during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Kellogg Institute for International Studies				
Mendez, Juan E. (Center or Institute)	The Promotion of International Justice Through Human Rights Activism in the United States	Private Funding	\$176,825	14
Department or Office: Mathematics				
Alber, Mark S. Izaguirre, Jesus A.	REU Supplement to NSF Biocomplexity Grant, Summer 2003	Indiana University Bloomington	\$12,000	36
Department or Office: Physics				
Furdyna, Jacek K. Dobrowolska-Furdyna, Malgorzata Janko, Boldizsar	NIRT: Formation and Properties of Spin-Polarized Quantum Dots in Magnetic Semiconductors by Controlled Variation of Magnetic Fields on the Nanoscale	National Science Foundation	\$250,000	48
Ruchti, Randal C	USCMS Project Education and Outreach	Northeastern University	\$115,229	12
Sapirstein, Jonathan R	Weak and Electromagnetic Radiative Corrections in Atomic Physics	National Science Foundation	\$41,776	48
Department or Office: Psychology				
Borkowski, John Gregg Whitman, Thomas Lee	Research Training in Mental Retardation	National Institutes of Health	\$45,328	12
Smith, David A.	Depression, Marital Discord, and Inter-Spousal Criticism	National Institutes of Health	\$74,250	24
Department or Office: Radiation Laboratory				
Kamat, Prashant V.	The Journal of Physical Chemistry	Private Funding	\$135,000	27

Awards received during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Romance Languages and Literatures				
McAdams, A. J. Perry, Catherine (Center or Institute)	The Nanovic Institute Film Series: The New Rebels in European Film: Britain and France	Private Funding	\$1,500	12
Department or Office: Sociology				
Cardenas, Gilberto Smith, Kimbra L. (Center or Institute)	Revitalizing Democratic Access to Labor Rights: Addressing Issues Facing Immigrant Workers in Elkhart County	Private Funding	\$2,000	12
Spillman, Lynette P.	Business Associations and the Cultural Construction of Economic Action	Private Funding	\$5,500	6
Department or Office: Theology				
Cavadini, John C. Kroeker, Charlotte (Center or Institute)	Teaching Theology Through Music: Conveying Theological Concepts Through the Music of the Church	Private Funding	\$69,981	10
Department or Office: University Counseling Center				
Manzo, Luis G.	"DLRSA" Leadership Development Fellowship for Luis Manzo	Portland State University	\$75,000	36

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Accountancy			
Rivera, Juan M.	Cooperation on Rural	U.S. Agency for International	\$299,738	36
Welna, Christopher J.	Economic Development and Small Business Entrepreneurship	Development		
Department or Office:	Aerospace and Mechanical Engineering			
Corona, Edmundo	Testing and Analysis of	21st Century Research &	\$197,518	24
Mason, James J.	Electronic Circuit Boards in Harsh Automotive Environments for Improved Reliability	Technology Fund		
Goodwine, John W.	Nonlinear Control with Aero-Optic Applications	National Science Foundation	\$114,000	36
Jumper, Eric J.	Flow Control for Improved Optical Propagation Through Turbulent Shear Flows	Corporate Funding	\$232,300	24
Mason, James J.	Goal/ Collaborative	National Science Foundation	\$18,800	12
Morris, Scott C.	Research: Thermomechanical Investigations of High Speed Machining of Aluminum			
Morris, Scott C.	Experimental and	Department of Navy	\$86,413	12
Mueller, Thomas J.	Analytical Study of the Hydroacoustics of Ducted Propellers			
Mueller, Thomas J.	An Experimental Study of	Department of Navy	\$57,914	8
Morris, Scott C.	Trailing Edge Noise			

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Schmid, Steven R. Mason, James J. Roeder, Ryan K. Niebur, Glen L.	Development and Commercialization of a New Bone and Soft Tissue Ingrowth Material	21st Century Research & Technology Fund	\$1,432,328	24
Schmid, Steven R. Mason, James J. Ovaert, Timothy C.	A Center of Excellence in Orthopedic Research and Engineering	21st Century Research & Technology Fund	\$5,000,000	36
Stanisic, Michael M.	Graduate Research Fellowship	National Science Foundation	\$82,500	36
Thomas, Flint O. Powers, Joseph M. Morris, Scott C. Cavalieri, David Corke, Thomas C.	Cavitation Suppression Technology	Corporate Funding	\$1,886,622	24
Department or Office:	American Studies			
Schlereth, Thomas J.	Keepers of the Trees: A Cultural History of North American Arboreta. 1700-2000	Private Funding	\$35,000	9
Department or Office:	Anthropology			
Chesson, Meredith S.	Expedition to the Dead Sea Plain AMS Chronology Project: Exploring Early Bronze Age Small-Scale Urbanism on the Southeastern Dead Sea Plain	National Science Foundation	\$55,095	24

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Biological Sciences				
Adams, John H.	Analysis of MAEBL Expression in Malaria Sporozoites	National Institutes of Health	\$150,000	24
Francel, Karen E.	The Status of The Water Shrew (<i>Sorex palustris</i>) in Natural Resources the Michigan Upper Peninsula	Michigan Department of	\$5,965	8
Francel, Karen E.	Bat Activity at Woodland Vernal Pools	Private funding	\$5,000	8
Romero-Severson, Jeanne Collins, Frank H.	Indiana Center for Insect Genomics: An International Center of Excellence	21st Century Research & Technology Fund	\$3,092,601	24
Suckow, Mark A.	Expansion of Animal Research Infrastructure at the University of Notre Dame	National Institutes of Health	\$1,696,766	30
Welsh, JoEllen J.	Gene Expression Profiling in Mammary Gland	National Institutes of Health	\$15,000	12
Department or Office: Chemical and Biomolecular Engineering				
Chang, Hsueh-Chia McCready, Mark J. Miller, Albert E. Leighton, David T.	Development and Commercialization of Micro-fluidic Technology for the Biomedical Industry	21st Century Research & Technology Fund	\$1,932,461	24

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
McCready, Mark J. Stadtherr, Mark A. Brennecke, Joan F.	Graduate Study in Chemical and Biomolecular Engineering	Department of Education	\$585,840	36
Strieder, William C. Saddawi, Salma	Carbon-Carbon Technology For Pervasive Economic Growth	Purdue University	\$201,799	24
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	Physical Basis for T Cell Receptor Binding and Activity	National Institutes of Health	\$259,875	12
Helquist, Paul Wiest, Olaf G.	Errant Gene: Therapeutics/Notre Dame 21st Century Program	Corporate Funding	\$345,700	24
Huber, Paul W.	Protein Binding Domains on Eukaryotic 5S rRNA and rDNA	National Institutes of Health	\$247,501	12
Kuno, Masaru K.	Single Quantum Dot (QD) Electron Transfer Studies	Private Funding	\$35,000	24
Mobashery, Shahriar	Ribosomal Function & Antibiotic Design	National Institutes of Health	\$282,318	12
Mobashery, Shahriar	A GAANN Proposal In Molecular Medicine	Department of Education	\$468,672	36

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Civil Engineering and Geological Sciences				
Kareem, Ahsan	Advanced Aeroelastic Analysis Framework for Cable-Supported Bridges and Aerodynamic Tailoring	National Science Foundation	\$281,898	36
Kurama, Yahya C.	Collaborative Research: RC Shear Wall Structures Under Fire	National Science Foundation	\$46,884	12
Kurama, Yahya C.	Precast Concrete Coupling Beams for RC Walls	National Science Foundation	\$139,872	30
Kurama, Yahya C. Salvati, Lynn A.	Evaluation of Seismic Retrofit Methods for RC Walls	National Science Foundation	\$313,731	36
Silliman, Stephen E.	The Impact of Physical Heterogeneity and Connectivity on LNAPL Entrapment and Dissolution	National Science Foundation	\$144,025	24
Talley, Jeffrey W. Ostafin, Agnes E. Maurice, Patricia A. Ketchum, Lloyd H. Lemmon, Michael D.	Distributed Large-Scale In-Situ Combined Sewer Overflow Detection Using Novel Interactive ESNT	21st Century Research & Technology Fund	\$1,999,364	24
Department or Office: Classics, The				
Schlegel, Catherine M.	Anger and Violence: Ancient and Modern Views	Private Funding	\$30,000	9

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Schlegel, Catherine M.	Anger and Violence: Ancient and Modern Views	Private Funding	\$30,000	9
Schlegel, Catherine M.	Anger and Violence: Ancient and Modern Views	Private Funding	\$21,000	9
Department or Office:	Computer Science & Engineering			
Scheutz, Matthias J.	RESPONSE (Robots for	21st Century Research &	\$1,999,088	24
Seabaugh, Alan C.	Effective Surveillance and	Technology Fund		
Batill, Stephen M.	Protection Operations in			
Lieberman, Marya	Natural and Soc. Env.)			
Bauer, Peter H.				
Department or Office:	Electrical Engineering			
Bernstein, Gary H.	Quilt Packaging: A New	Corporate Funding	\$566,787	36
Fay, Patrick J.	Paradigm for High Performance, Heterogeneous System-in-Package			
Merz, James L.	Plasmon Magneto-Optics	Department of Defense	\$3,919,455	60
Janko, Boldizsar	in Metallic			
Porod, Wolfgang	Nanostructures			
Mintairov, Alexander				
Porod, Wolfgang	Development of Nanotechnology Content for a LEGO Robotics Competition	National Science Foundation	\$626,259	36

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Porod, Wolfgang Silliman, Stephen E. Johnstone, Joyce V. Hahn, Alexander J.	NCLT: The NDnano Center for Learning and Teaching	National Science Foundation	\$0	
Snider, Gregory L. Bernstein, Gary H. Orlov, Alexei	Bridging Nanoelectronics to CMOS	National Science Foundation	\$60,000	12
Department or Office:	English			
Irving, Antonette K.	Disciplining Bodies: Citizenship, Sexuality, and the Black Female Subject	University of Virginia	\$25,000	12
Irving, Antonette K.	Disciplining Bodies: Citizenship, Sexuality, and the Black Female Subject	Private Funding	\$30,000	9
Department or Office:	Film, Television, and Theatre			
Becker, Christine A.	Public Interest/Commercial Interest: British and American Broadcast Television in the Digital Age	Private Funding	\$30,000	9
Department or Office:	George & Winifred Clark II (Chemistry)			
Miller, Marvin J.	Siderophore-Drug Conjugates of Non-B-Lactam Antibiotics	National Institutes of Health	\$0	24

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	German and Russian Languages and Literatures			
Christensen, Kirsten M.	The Mystical Writings of Maria van Hout (1547): An English Translation	Private funding	\$30,000	12
Department or Office:	History			
Osborn, Emily L.	Our New Husbands are Here: Gender, Power, and Authority in Kankan-Bate, West Africa, 1650-1920.	Private funding	\$37,000	9
Thomas, Julia A.	Photography and Democracy: Between History and Sex in Occupied Japan	Private Funding	\$90,445	12
Department or Office:	Mathematics			
Nicholls, David P.	Free Surface Fluid Mechanics and Electromagnetic Scattering Stable High-Order Perturbation	National Science Foundation	\$474,812	60
Sommese, Andrew J.	Collaborative Research: Numerical Algorithms and Software for Solving Polynomial Systems with Parameters	National Science Foundation	\$1,084,555	60
Department or Office:	Mendelson Center for Sports, Character, & Community			
Bredemeier, Brenda Light Power, Clark Shields, David L.	Sport Teams as Communities of Character	Private Funding	\$476,476	36

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Shields, David L. Power, Clark Bredemeier, Brenda Light	Democratic Sports for Civic Engagement	Private funding	\$157,710	24
Department or Office: Physics				
Aprahamian, Ani	Proposal to Enhance the Discovery Potential of the BaBar Experiment by Upgrading the Drift Chamber	Department of Energy	\$370,457	36
Balsara, Dinshaw S.	Collaborative Proposal: Stratified Turbulence in Multiphase ISM and Magnetic Field Evolution	National Science Foundation	\$300,870	36
Barabasi, Albert-Laszlo	Topologic Properties of Metabolic Networks	National Institutes of Health	\$466,012	12
Garnavich, Peter M.	Collaborative Research: Gamma-Ray Burst Afterglows in the SWIFT Era	National Science Foundation	\$273,057	36
Gibb, Erika L.	Searching for Volatiles in Preplanetary Disks with Near Infrared Spectroscopy	National Science Foundation	\$168,550	36
Goussiou, Anna	Optimization of the Dijet Mass Resolution for New Physics Searches at the Tevatron	Department of Energy	\$315,737	36

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Mathews, Grant J. Garnavich, Peter M. Berry, Henry G.	Studies of Low Energy Deuterium Reactions	Corporate Funding	\$362,950	24
Rettig, Terrence W.	Search for CO and H3+in Pre-Planetary Disks around Young Stellar Objects	Private Funding	\$15,800	13
Department or Office: Hagopian, Frances	Political Science Reorganizing Interest in Latin America: Political Representation After Economic Liberalization	Private Funding	\$30,000	12
Department or Office: Affeldt, Steven G.	Program of Liberal Studies The Citizen as Legislator	Private Funding	\$30,000	9
Affeldt, Steven G.	The Citizen as Legislator	Private Funding	\$30,000	9
Munzel, G. Felicitas	Immanuel Kant-Philosopher-Educato The Critical Philosophy and the Rise of Pedagogical Science	Private Funding	\$35,000	12
Department or Office: Spillman, Lynette P.	Sociology Business Associations and the Cultural Construction of Economic Action	Private Funding	\$5,500	7

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Theology				
Groody, Daniel G.	An Undocumented Theology: Spiritual Life in American From a Mexican Immigrant Perspective	Private Funding	\$45,000	12
Prugl, Thomas J.	The Interpretation of the Book of Job in the Middle Ages	Private Funding	\$41,600	12
Prugl, Thomas J.	The Interpretation of Job in the Middle Ages	Private Funding	\$25,000	12

Awards and Proposal Summary

Centers and Institutes Report

11/01/2003 to 11/30/2003

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$61,600
Center for Civil and Human Rights	1	\$176,825
Institute for Church Life	1	\$69,981
Institute for Latino Studies	1	\$2,000
Nano.Science and Technology Center	2	\$186,689
Nanovic Institute	1	\$1,500
Total:	7	\$498,595

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$1,084,555
Center for Astrophysics	5	\$1,121,227
Center for Flow Physics and Control	4	\$2,263,249
Center for Microfluidics and Medical Diagnostics	1	\$1,932,461
Center for Tropical Disease Research & Training	2	\$3,242,601
Environmental Research Center	2	\$10,965
Freimann Life Science Center	1	\$1,696,766
Kellogg Institute for International Studies	1	\$299,738
Mendelson Center for Sports, Character, & Community	2	\$634,186
Nano Science and Technology Center	5	\$5,172,501
Total:	24	\$17,458,249

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 11/30/2003

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$61,600
Center for Astrophysics	3	\$204,262
Center for Children and Families	3	\$1,909,082
Center for Civil and Human Rights	1	\$176,825
Center for Environmental Science and Technology	1	\$10,000
Center for Flow Physics and Control	9	\$504,566
Center for Molecularly Engineered Materials	2	\$1,881,363
Center for Social Concerns	1	\$63,500
Center for Transgene Research	2	\$977,376
Center for Tropical Disease Research & Training	5	\$1,464,285
Environmental Molecular Science Institute	1	\$1,200,000
Freimann Life Science Center	1	\$12,000
Institute for Church Life	3	\$74,338
Institute for Latino Studies	5	\$127,282
Jacques Maritain Center	1	\$30,000
Kellogg Institute for International Studies	3	\$246,997
Nano Science and Technology Center	14	\$1,214,689
Nanovic Institute	1	\$1,500
Radiation Laboratory	2	\$143,219
Robinson Community Learning Center	1	\$496,750
TRIO Programs	3	\$1,076,707
Walther Cancer Research Center	1	\$194,955
Total:	64	\$12,071,296

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$1,084,555
Center for Astrophysics	7	\$1,862,997
Center for Children and Families	2	\$1,422,916
Center for Civil and Human Rights	1	\$494,047
Center for Flow Physics and Control	13	\$4,216,429
Center for Microfluidics and Medical Diagnostics	1	\$1,932,461
Center for Molecularly Engineered Materials	4	\$1,112,015
Center for Transgene Research	4	\$932,367
Center for Tropical Disease Research & Training	7	\$4,420,389
Center for Zebrafish Research	3	\$631,221

Awards and Proposal Summary**Centers and Institutes Report****07/01/2003 to 11/30/2003**

Department or Office	No.	Amount
Chemical and Biomolecular Engineering	1	\$75,250
Environmental Research Center	3	\$510,931
Freimann Life Science Center	3	\$1,994,615
Institute for Church Life	2	\$80,709
Institute for Latino Studies	5	\$726,741
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	4	\$391,870
Lobund Laboratory	2	\$391,135
Mendelson Center for Sports, Character, & Community	2	\$634,186
Nano Science and Technology Center	20	\$34,482,910
Nuclear Structure Laboratory	1	\$17,050
Radiation Laboratory	3	\$17,713,540
Walther Cancer Research Center	3	\$525,379
Total:	93	\$75,953,451

Awards received during the period Nov-01-2003 to Nov-30-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	ACE Educational Outreach			
Staud, John J. (Center or Institute)	ACE Program	Private Funding	\$61,600	006140-001
Department or Office:	Center for Civil and Human Rights			
Mendez, Juan E. (Center or Institute)	The Promotion of International Justice Through Human Rights Activism in the United States	Private Funding	\$176,825	006159-001
Department or Office:	Institute for Church Life			
Cavadini, John C. Kroeker, Charlotte (Center or Institute)	Teaching Theology Through Music: Conveying Theological Concepts Through the Music of the Church	Private Funding	\$69,981	006142-001
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto Smith, Kimbra L. (Center or Institute)	Revitalizing Democratic Access to Compact Labor Rights: Addressing Issues Facing Immigrant Workers in Elkhart County	Indiana Campus	\$2,000	006150-001
Department or Office:	Nano Science and Technology Center			
Snider, Gregory L. Merz, James L. (Center or Institute)	Near-Field Optical Investigation of Si/Ge Quantum Dots (MRSEC Seed Project)	University of Virginia	\$99,970	005348-001
Fay, Patrick J Bunker, Bruce A Kosel, Thomas H Hall, Douglas C Snider, Gregory L (Center or Institute)	Electronic Properties and Device Applications of III-V Compound Semiconductor Native Oxides	Department of the Air Force	\$86,719	005448-001

Awards received during the period Nov-01-2003 to Nov-30-2003**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nanovic Institute				
McAdams, A. J.	The Nanovic Institute	Private Funding	\$1,500	006139-001
Perry, Catherine	Film Series: The New			
(Center or Institute)	Rebels in European			
	Film: Britain and			
	France			

Proposals submitted during the period Nov-01-2003 to Nov-30-2003**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office: Center for Applied Mathematics				
Sommese, Andrew J.	Collaborative Research: Numerical Algorithms and Software for Solving Polynomial Systems with Parameters	National Science Foundation	\$1,084,555	04050323
Department or Office: Center for Astrophysics				
Garnavich, Peter M.	Collaborative Research: Gamma-Ray Burst Afterglows in the SWIFT Era	National Science Foundation	\$273,057	04050283
Mathews, Grant J.	Studies of Low Energy Deuterium Reactions	Corporate Funding	\$362,950	04050298
Garnavich, Peter M.				
Berry, Henry G.				
Gibb, Erika L.	Searching for Volatiles in Preplanetary Disks with Near Infrared Spectroscopy	National Science Foundation	\$168,550	04050294
Rettig, Terrence W.	Search for CO and H ₃ ⁺ in Pre-Planetary Disks around Young Stellar Objects	Private Funding	\$15,800	04050312
Balsara, Dinshaw S.	Collaborative Proposal: Stratified Turbulence in Multiphase ISM and Magnetic Field Evolution	National Science Foundation	\$300,870	04050301

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Flow Physics and Control			
Morris, Scott C. Mueller, Thomas J.	Experimental and Analytical Study of the Hydroacoustics of Ducted Propellers	Department of Navy	\$86,413	04050273
Thomas, Flint O. Powers, Joseph M. Morris, Scott C. Cavalieri, David Corke, Thomas C.	Cavitation Suppression Technology	Corporate Funding	\$1,886,622	04050290
Jumper, Eric J.	Flow Control for Improved Optical Propagation Through Turbulent Shear Flows	Corporate Funding	\$232,300	04050331
Mueller, Thomas J. Morris, Scott C.	An Experimental Study of Trailing Edge Noise	Department of Navy	\$57,914	04050313
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia McCready, Mark J. Miller, Albert E. Leighton, David T.	Development and Commercialization of Micro-fluidic Technology for the Biomedical Industry	21st Century Research & Technology Fund	\$1,932,461	04050297
Department or Office:	Center for Tropical Disease Research & Training			
Adams, John H.	Analysis of MAEBL Expression in Malaria Sporozoites	National Institutes of Health	\$150,000	04050317

Proposals submitted during the period Nov-01-2003 to Nov-30-2003**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Romero-Severson, Jeanne Collins, Frank H.	Indiana Center for Insect Genomics: An International Center of Excellence	21st Century Research & Technology Fund	\$3,092,601	04050324
Department or Office: Environmental Research Center				
Franci, Karen E.	The Status of The Water Shrew (<i>Sorex palustris</i>) in the Michigan Upper Peninsula	Michigan Department of Natural Resources	\$5,965	04050279
Franci, Karen E.	Bat Activity at Woodland Vernal Pools	Private Funding	\$5,000	04050280
Department or Office: Freimann Life Science Center				
Suckow, Mark A.	Expansion of Animal Research Infrastructure at the University of Notre Dame	National Institutes of Health	\$1,696,766	04050286
Department or Office: Kellogg Institute for International Studies				
Rivera, Juan M. Welna, Christopher J.	Cooperation on Rural Economic Development and Small Business Entrepreneurship	U.S. Agency for International Development	\$299,738	04050284
Department or Office: Mendelson Center for Sports, Character, & Community				
Bredemeier, Brenda Light Power, Clark Shields, David L.	Sport Teams as Communities of Character	Private Funding	\$476,476	04050277

Proposals submitted during the period Nov-01-2003 to Nov-30-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Shields, David L. Power, Clark Bredemeier, Brenda Light	Democratic Sports for Civic Engagement	Private Funding	\$157,710	04050289
Department or Office: Nano Science and Technology Center				
Merz, James L. Janko, Boldizsar Porod, Wolfgang Mintairov, Alexander	Plasmon Magneto-Optics in Metallic Nanostructures	Department of Defense	\$3,919,455	04050299
Porod, Wolfgang	Development of Nanotechnology Content for a LEGO Robotics Competition	National Science Foundation	\$626,259	04050300
Snider, Gregory L. Bernstein, Gary H. Orlov, Alexei	Bridging Nanoelectronics to CMOS	National Science Foundation	\$60,000	04050308
Porod, Wolfgang Silliman, Stephen E. Johnstone, Joyce V. Hahn, Alexander J.	NCLT: The NDnano Center for Learning and Teaching	National Science Foundation	\$0	04050309
Bernstein, Gary H. Fay, Patrick J.	Quilt Packaging: A New Paradigm for High Performance, Heterogeneous System-in-Package	Corporate Funding	\$566,787	04050318

Awards and Proposal Summary

12/01/2003 to 12/31/2003

Awards Received

Category	No.	Amount
Research	29	\$3,771,053
Total:	29	\$3,771,053

Proposals Submitted

Category	No.	Amount
Research	47	\$9,754,794
Total:	47	\$9,754,794

December 2003 Cumulative summary

Awards Received

Category	07.01.2001 - 12.31.2001		07.01.2002 - 12.31.2002		07.01.2003 - 12.31.2003	
	No.	Amount	No.	Amount	No.	Amount
Research	203	\$21,290,584	158	\$29,155,194	205	\$31,309,469
Facilities and Equipment						
Instructional Programs	9	\$1,184,402	10	\$1,333,710	8	\$1,166,443
Other Programs					1	\$62,500
Service Programs						
Total:	212	\$22,474,986	168	\$30,488,904	214	\$32,538,412

Proposals Submitted

Category	07.01.2001 - 12.31.2001		07.01.2002 - 12.31.2002		07.01.2003 - 12.31.2003	
	No.	Amount	No.	Amount	No.	Amount
Research	343	\$123,675,939	294	\$86,103,887	376	\$147,420,370
Facilities and Equipment						
Instructional Programs	5	\$3,763,223	7	\$3,253,080	2	\$88,533
Other Programs						
Service Programs						
Total:	348	\$127,439,162	301	\$89,356,967	378	\$147,508,903

Awards received during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C. (Center or Institute)	V-22 Wing Separation Control Using Plasma Actuators	Corporate Funding	\$50,037	24
Niebur, Glen L.	New Generation Bioscaffolds for Musculoskeletal Reconstruction	Corporate Funding	\$209,297	24
Department or Office:	American Studies			
Schlereth, Thomas J.	Keepers of the Trees: A Cultural History of North American Arboreta. 1700-2000	Private Funding	\$35,000	12
Department or Office:	Biological Sciences			
Besansky, Nora J. (Center or Institute)	The 2Rj Inversion Breakpoint of An. gambiae: Molecular Diagnosis and Characterization	Private Funding	\$29,612	12
Boyd, Sunny K. (Center or Institute)	Amphibian Diversity in Gogebic County, MI	U.S. Forest Service	\$1,505	22
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$94,600	24
Johnson, Alan L	Cellular Determinants of Differentiation versus Apoptosis in Avian Granulosa Cells	National Science Foundation	\$140,200	36
Li, Lei (Center or Institute)	Centrifugal Modulation of Vertebrate Visual Sensitivity	National Institutes of Health	\$174,910	58
Li, Lei (Center or Institute)	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$253,400	35

Awards received during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Economics and Econometrics			
Sullivan, James X.	Evaluating the Effects of Welfare Reform on Saving, Asset Allocation, and Vehicle Ownership	Private Funding	\$60,000	12
Department or Office:	Electrical Engineering			
Fay, Patrick J Snider, Gregory L (Center or Institute)	Self-Aligned and Self-Limited Quantum Dot Nanoswitches	Ohio State University	\$150,935	36
Fay, Patrick J. (Center or Institute)	Sb-based RITD/HEMT Devices and Circuits	University of Michigan	\$125,003	12
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	\$925,000	38
Department or Office:	History			
Hatch, Nathan O.	Faculty Leadership Network	Private Funding	\$67,121	36
Hatch, Nathan O.	Academic Leadership Program	Private Funding	\$60,443	36
Department or Office:	Physics			
Garnavich, Peter M.	Probing the Equation of State of the Dark Energy with Supernovae	University of Washington	\$38,812	25
Department or Office:	Psychology			
Kim, Irene J.	Junior Scholars Study Group: Identify Parenting Behaviors That Influence Children's Learning Environments	Private Funding	\$20,000	12

Awards received during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Economics and Econometrics				
Sullivan, James X.	Evaluating the Effects of Welfare Reform on Saving, Asset Allocation, and Vehicle Ownership	Private Funding	\$60,000	12
Department or Office: Electrical Engineering				
Fay, Patrick J Snider, Gregory L (Center or Institute)	Self-Aligned and Self-Limited Quantum Dot Nanoswitches	Ohio State University	\$150,935	36
Fay, Patrick J. (Center or Institute)	Sb-based RITD/HEMT Devices and Circuits	University of Michigan	\$125,003	12
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	\$925,000	38
Department or Office: History				
Hatch, Nathan O.	Faculty Leadership Network	Private Funding	\$67,121	36
Hatch, Nathan O.	Academic Leadership Program	Private Funding	\$60,443	36
Department or Office: Physics				
Garnavich, Peter M.	Probing the Equation of State of the Dark Energy with Supernovae	University of Washington	\$38,812	25
Department or Office: Psychology				
Kim, Irene J.	Junior Scholars Study Group: Identify Parenting Behaviors That Influence Children's Learning Environments	Private Funding	\$20,000	12

Awards received during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Radvansky, Gabriel A	Comprehension and Memory of Spatial and Temporal Event Components	U.S. Army Research Institute	\$19,000	36
Radvansky, Gabriel A	Comprehension and Memory of Spatial and Temporal Event Components	U.S. Army Research Institute	\$66,585	36
Radvansky, Gabriel A.	Engineering a Transformatin of Human-Machine Interaction to An Augmented Cognitive Relationship	Sandia National Laboratory	\$40,000	27
Department or Office: Sociology				
Sikkink, David H.	The Panel Study of American Religion and Ethnicity	Rice University	\$40,754	36

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Bowling, Alan P.	Dynamic Performance of Cable-Driven Robotic Systems	National Science Foundation	\$158,669	36
Morris, Scott C. Mueller, Thomas J.	Experimental and Analytical Study of the Hydroacoustics of Propellers	Department of Navy	\$140,000	24
Morris, Scott C.	Experiments in Sound and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems	Department of Navy	\$300,000	36
Ovaert, Timothy C. Renaud, John E.	The Design of Coated Surfaces with Reliability-Based Optimization	National Science Foundation	\$230,684	36
Sen, Mihir	Adaptation and Implementation of Intelligent Systems Course and Lab	Ohio Northern University	\$16,148	12
Department or Office:	Biological Sciences			
Feder, Jeffrey L.	Understanding Diapause Life History Evolution in Rhagoletis: An Integrated Genomics Approach	National Science Foundation	\$1,959,951	60
Fraser, Malcolm J.	PiggyBac Based Enhancer Trap Mutagenesis in Zebrafish	National Institutes of Health	\$707,959	12

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Hellmann, Jessica J.	Distribution, Abundance, and Adaptation of Butterflies at their Northern Range Limit: A Continuation	Private Funding	\$14,150	0
Lodge, David M.	ITER: Interacting Pertubations in Southern Lake Michigan	University of Michigan	\$528,399	72
Department or Office:	Center for Zebrafish Research			
Vihtelic, Thomas S.	Identification of Lens Development Genes	National Institutes of Health	\$259,875	11
Department or Office:	Chemical and Biomolecular Engineering			
Brennecke, Joan F. Maginn, Edward J.	Structural Studies of Ionic Liquids	University of Tennessee-Knoxville	\$440,960	36
McCready, Mark J.	Determination of Gravity Independence for Two-Phase Gas-Liquid Flows through Conduits	National Aeronautics and Space Administration	\$460,090	48
Department or Office:	Chemistry and Biochemistry			
Creary, Xavier	Radical and Carbocation Studies, Super Radical Stabilizers and Novel Carbocation Solvents	National Science Foundation	\$455,026	36

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Henderson, Kenneth W.	The Rational Design of Network Architectures Using Pre-Assembled s-Block Molecular Aggregates as Supramolecular Synthons	Private Funding	\$120,000	36
Henderson, Kenneth W.	Use of Main Group Ring and Cage Complexes in the Designed Assembly of Solid State Materials	National Science Foundation	\$371,898	36
Serianni, Anthony S.	NMR Studies of Biologically Important Oligosaccharides	National Institutes of Health	\$228,690	12
Wiest, Olaf G.	Molecular Recognition and Electron Transfer Catalyzed Repair of Photodamaged DNA	National Science Foundation	\$554,185	48
Department or Office:	Civil Engineering and Geological Sciences			
Fein, Jeremy B.	Metal and Proton Binding Onto Bacterial Extracellular Polysaccharide Materials	Private Funding	\$120,000	36
Kareem, Ahsan Kijewski-Correa, Tracy L.	Full-Scale Performance Evaluation of Tall Buildings Under Winds	National Science Foundation	\$352,867	36
Talley, Jeffrey W.	Improving Our Nation's Communities through Environmental Health and Safety Monitoring	US Housing & Urban Development	\$55,000	16

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Woertz, Jennifer R.	Biofiltration of Waste Gases from Ethanol-Production Facilities	State of Indiana	\$32,074	12
Department or Office:	Computer Science & Engineering			
Bowyer, Kevin W.	Advanced Multi-Modal 3D Plus 2D Face Recognition	National Science Foundation	\$538,275	36
Flynn, Patrick J.				
Hu, Xiaobo	Flexible Scheduling in Real-Time Control Systems with Uncertainty	National Science Foundation	\$417,764	36
Lemmon, Michael D.				
Striegel, Aaron	Academic Excellence Grant (AEG)	Corporate Funding	\$35,056	12
Striegel, Aaron	SGER: GRIM Core Framework Development	National Science Foundation	\$49,182	12
Department or Office:	Natl. Cons. for Grad. Degrees for Minorities, Engr & Science			
Lucero, Cecilia	Exploring the Tenure-Track Experiences of Women of Color Faculty in Science and Engineering	National Science Foundation	\$254,454	36
Department or Office:	Physics			
Garg, Umesh	REUSite: Physics REU Program at the University of Notre Dame	National Science Foundation	\$178,000	24
Ruchti, Randal C.				

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Political Science				
Botting, Eileen H.	Wollenstonecraft in America: Transatlantic Dialogues on the Rights of Women	Private Funding	\$30,000	9
Campbell, David E.	Schools and Civic Norms	University of Maryland	\$40,810	9
Campbell, David E.	Civic Education in America's Schools	Private Funding	\$50,000	9
Mosley, Maria E.	Regulating International Finance: The Use and Utility of Public-Private Models	Private Funding	\$69,500	12
Sanders, Mitchell S.	Why Campaigns Matter: Perceptions, Decisions, and Outcomes in Presidential Elections	Private Funding	\$39,600	12
Department or Office: Psychology				
Cummings, E. M.	Marital Conflict, and Child Agency and Mental Health	National Institutes of Health	\$30,440	12
Schuster, Christof Yuan, Ke-Hai Wenger, Michael J. Bergeman, Cindy S. Boker, Steven M. Maxwell, Scott E.	Notre Dame Series on Quantitative Methodology	National Institutes of Health	\$29,150	12

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Wenger, Michael J.	Biophysical Modeling of Perceptual Learning	Private Funding	\$32,000	9
Wenger, Michael J. Boker, Steven M. Maxwell, Scott E. Schuster, Christof Yuan, Ke-Hai Bergeman, Cindy S.	Notre Dame Series on Quantitative Methodology	National Institutes of Health	\$26,558	12
Department or Office: Theology				
Daley, Brian E.	God Visible: Patristic Christology Revisited	Private Funding	\$75,000	12
Daley, Brian E.	God Visible: Patristic Christology Reconsidered	Private Funding	\$25,000	12
Groody, Daniel G.	A Theology of the Undocumented	Private Funding	\$50,740	12
Groody, Daniel G.	"Endless Exodus"	Private Funding	\$35,020	9
Groody, Daniel G.	A Theology of the Undocumented: Spiritual Life in America from a Mexican Immigrant Perspective	Private Funding	\$25,000	12
Herd, Jennifer A.	Hypocrisy Among the Virtues	Private Funding	\$38,620	12

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Herd, Jennifer A.	Hypocrisy Among the Virtues	Private Funding	\$25,000	12
Kollman, Paul V.	Slave Evangelization and the Origins of the Catholic Church in Eastern Africa	Private Funding	\$47,000	12
Kollman, Paul V.	Slave Evangelization and the Origins of the Catholic Church in Eastern Africa	Private Funding	\$25,000	12
Ryan, Maura A.	Feminism, Religion, and the Future of the Common Good	Private Funding	\$56,000	12
Ryan, Maura A.	Feminism, Religion, and the Future of the Common Good	Private Funding	\$25,000	12

Awards and Proposal Summary**Centers and Institutes Report****12/01/2003 to 12/31/2003****Awards Received**

Department or Office	No.	Amount
Center for Flow Physics and Control	1	\$50,037
Center for Molecularly Engineered Materials	1	\$52,496
Center for Tropical Disease Research & Training	1	\$29,612
Center for Zebrafish Research	2	\$428,310
Environmental Research Center	1	\$1,505
Nano Science and Technology Center	3	\$1,200,938
Total:	9	\$1,762,898

Proposals Submitted

Department or Office	No.	Amount
Center for Flow Physics and Control	2	\$440,000
Center for Microfluidics and Medical Diagnostics	1	\$460,090
Center for Zebrafish Research	2	\$967,834
Institute for Latino Studies	3	\$110,760
Total:	8	\$1,978,684

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 11/30/2003

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$61,600
Center for Astrophysics	3	\$204,262
Center for Children and Families	3	\$1,909,082
Center for Civil and Human Rights	1	\$176,825
Center for Environmental Science and Technology	1	\$10,000
Center for Flow Physics and Control	9	\$504,566
Center for Molecularly Engineered Materials	2	\$1,881,363
Center for Social Concerns	1	\$63,500
Center for Transgene Research	2	\$977,376
Center for Tropical Disease Research & Training	5	\$1,464,285
Environmental Molecular Science Institute	1	\$1,200,000
Freimann Life Science Center	1	\$12,000
Institute for Church Life	3	\$74,338
Institute for Latino Studies	5	\$127,282
Jacques Maritain Center	1	\$30,000
Kellogg Institute for International Studies	3	\$246,997
Nano Science and Technology Center	14	\$1,214,689
Nanovic Institute	1	\$1,500
Radiation Laboratory	2	\$143,219
Robinson Community Learning Center	1	\$496,750
TRIO Programs	3	\$1,076,707
Walther Cancer Research Center	1	\$194,955
Total:	64	\$12,071,296

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$1,084,555
Center for Astrophysics	7	\$1,862,997
Center for Children and Families	2	\$1,422,916
Center for Civil and Human Rights	1	\$494,047
Center for Flow Physics and Control	13	\$4,216,429
Center for Microfluidics and Medical Diagnostics	1	\$1,932,461
Center for Molecularly Engineered Materials	4	\$1,112,015
Center for Transgene Research	4	\$932,367
Center for Tropical Disease Research & Training	7	\$4,420,389
Center for Zebrafish Research	3	\$631,221

Awards and Proposal Summary**Centers and Institutes Report****07/01/2003 to 11/30/2003**

Department or Office	No.	Amount
Chemical and Biomolecular Engineering	1	\$75,250
Environmental Research Center	3	\$510,931
Freimann Life Science Center	3	\$1,994,615
Institute for Church Life	2	\$80,709
Institute for Latino Studies	5	\$726,741
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	4	\$391,870
Lobund Laboratory	2	\$391,135
Mendelson Center for Sports, Character, & Community	2	\$634,186
Nano Science and Technology Center	20	\$34,482,910
Nuclear Structure Laboratory	1	\$17,050
Radiation Laboratory	3	\$17,713,540
Walther Cancer Research Center	3	\$525,379
Total:	93	\$75,953,451

Awards received during the period Dec-01-2003 to Dec-31-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	Center for Flow Physics and Control			
Corke, Thomas C. (Center or Institute)	V-22 Wing Separation Control Using Plasma Actuators	Corporate Funding	\$50,037	006175-001
Department or Office:	Center for Molecularly Engineered Materials			
Maginn, Edward J. (Center or Institute)	Determination of Physical Properties of Energetic Ionic Liquids Using Molecular Simulations	Department of the Air Force	\$52,496	005973-001
Department or Office:	Center for Tropical Disease Research & Training			
Besansky, Nora J. (Center or Institute)	The 2Rj Inversion Breakpoint of An. gambiae: Molecular Diagnosis and Characterization	Private Funding	\$29,612	006168-001
Department or Office:	Center for Zebrafish Research			
Li, Lei (Center or Institute)	Centrifugal Modulation of Vertebrate Visual Sensitivity	National Institutes of Health	\$174,910	006160-001
Li, Lei (Center or Institute)	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$253,400	006161-001
Department or Office:	Environmental Research Center			
Boyd, Sunny K. (Center or Institute)	Amphibian Diversity in Gogebic County, MI	U.S. Forest Service	\$1,505	005702-001
Department or Office:	Nano Science and Technology Center			
Fay, Patrick J Snider, Gregory L (Center or Institute)	Self-Aligned and Self-Limited Quantum Dot Nanoswitches	Ohio State University	\$150,935	005607-001

Awards received during the period Dec-01-2003 to Dec-31-2003**Centers and Institutes Report**

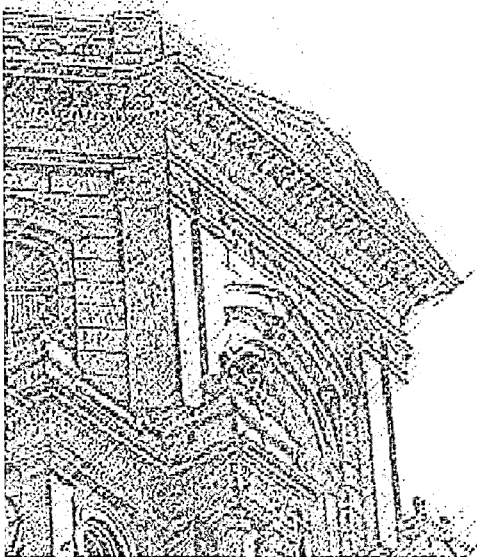
Investigator(s)	Title	Sponsor	Dollars	Award #
Porod, Wolfgang Fay, Patrick J. Bernstein, Gary H. Huang, Yih-Fang (Center or Institute)	Biologically-Inspired CNN Image Processors with Dynamically-Integrated Hyperspectral Nanoscale Sensors	Department of Navy	\$925,000	006071-001
Fay, Patrick J. (Center or Institute)	Sb-based RITD/HEMT Devices and Circuits	University of Michigan	\$125,003	006176-001

Proposals submitted during the period Dec-01-2003 to Dec-31-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Flow Physics and Control			
Morris, Scott C.	Experimental and Analytical Study of the Hydroacoustics of Propellers	Department of Navy	\$140,000	04060347
Mueller, Thomas J.				
Morris, Scott C.	Experiments in Sound and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems	Department of Navy	\$300,000	04060367
Department or Office:	Center for Microfluidics and Medical Diagnostics			
McCready, Mark J.	Determination of Gravity Independence for Two-Phase Gas-Liquid Flows through Conduits	National Aeronautics and Space Administration	\$460,090	04060350
Department or Office:	Center for Zebrafish Research			
Fraser, Malcolm J.	PiggyBac Based Enhancer Trap Mutagenesis in Zebrafish	National Institutes of Health	\$707,959	04060345
Vihtelic, Thomas S.	Identification of Lens Development Genes	National Institutes of Health	\$259,875	04060374
Department or Office:	Institute for Latino Studies			
Groody, Daniel G.	A Theology of the Undocumented	Private Funding	\$50,740	04060340
Groody, Daniel G.	"Endless Exodus"	Private Funding	\$35,020	04060362
Groody, Daniel G.	A Theology of the Undocumented: Spiritual Life in America from a Mexican Immigrant Perspective	Private Funding	\$25,000	04060369

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