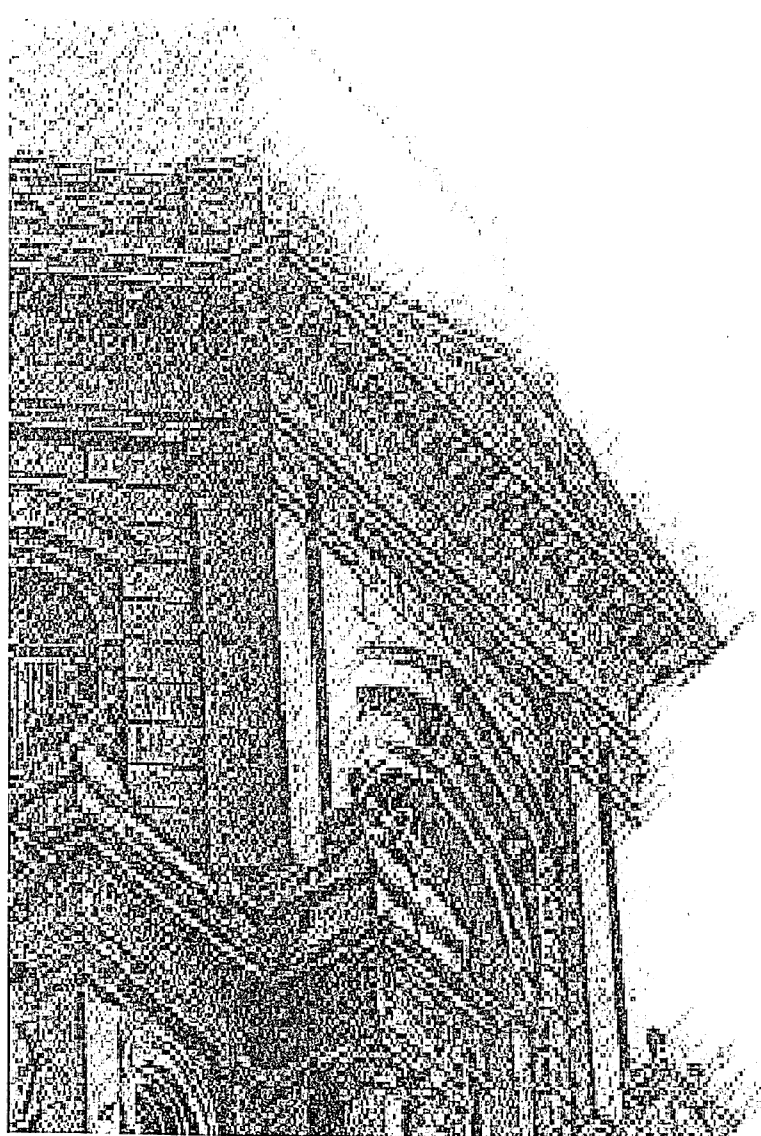


# Notre Dame Report



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# Faculty Notes

## Honors

**William L. Wilkie**, the Nathe Professor of Marketing, was named editor for a special issue of the *Journal of Public Policy & Marketing*, published by the American Marketing Association, titled "Dimensions of Marketing's Relationship to Society," and received the Kinnear Award with **Elizabeth S. Moore**, associate professor of marketing, for their article "Scholarly Research in Marketing: Exploring the 'Four Eras' of Thought Development" at the "Winter Educator's Conference of the American Marketing Association," San Antonio, Feb. 12.

## Activities

**Wendy Arons**, assistant professor in Film, Television, and Theatre and fellow in the Nanovic Institute, convened the "Performance and Ecology Working Group" at the "Performance Studies Pre-Conference" for the Association for Theatre in Higher Education annual meeting, Toronto, July 27-28; led the workshop "Acting for Academics" at the "Women in German Conference," Carrollton, Ky., Oct. 21; and presented a plenary talk, "The Art of Acting and the (Non)Act of Being" at the American Society for Theatre Research annual meeting, Nov. 19.

**Robert Audi**, the Gallo Professor of Business Ethics, presented "Ethical Leadership" at the Markkula Center for Applied Ethics at Santa Clara Univ., Jan. 5; and "Religion in the Workplace" at the Stanford Univ. Ethics Center, Jan. 26.

**Joseph P. Bauer**, professor of law, appeared on an interview on WSJV-TV on Feb. 3, to discuss the Indiana and Michigan Sex Offender Registry laws.

**Jay Brandenberger**, professional specialist at the Center for Social Concerns and concurrent associate professor of psychology, presented "Models of Leadership Development and Social Responsibility" at the "Florida State Institute on College Student Values," in Tallahassee, Feb. 3-5.

**Peter Cholak**, professor of mathematics, presented "Well Quasi-Orders; Reverse Mathematics and the Equivalence of Definitions for Well and Better Quasi-Orders" at the "ASL-AMS Special Session on Reverse Math" at the AMS national meeting, Atlanta.

**Paul M. Cobb**, assistant professor of history and fellow of the Medieval Institute, was invited to present "*La vie religieuse des Banu Munqidh, 1080-1180: une famille musulman entre les croisés et les sultans*" at the conference "*Le Bilâd al-Shâm face aux mondes extérieurs (XIe-XIVe s.)*" at the Institut Français du Proche-Orient in Damascus, Syria, on Feb. 7; and presided over the round table "*Les Héritages Omayyades*," also at IFPO, Feb. 11-12.

**Guillermo Ferraudi**, professional specialist in the Radiation Laboratory, presented a seminar titled "Thermal and Photochemical Redox Processes of Polymers having Pendant -ReI(CO)3phen+ or Pendant -RhIII(phthalocyaninato) Groups" at the Univ. of Western Michigan, Feb. 16.

**Paquita Y. Friday**, assistant professor of accountancy, presented "Market-Related Values and Pension Accounting," written with **Jeffrey Miller**, assistant professor of accountancy, and **H. Fred Mittelstaedt**, professor and PricewaterhouseCoopers Faculty Fellow, at Texas A&M Univ., Oct. 1, CUNY-Baruch, Nov. 10, and at the Singapore Management Univ., Jan. 20.

**Keir A. Lieber**, assistant professor of political science, presented "Technology, Politics, and War" at the fourth annual "Institute on Qualitative Research Methods" at Arizona State Univ., Tempe, Jan. 7.

**Timothy Matovina**, associate professor of theology and director of the Cushwa Center for the Study of American Catholicism, presented "Our Lady of Guadalupe: Faith, Theology, and Tradition" and "*Nuestra Señora de Guadalupe: Fe, Teología, y Tradición*" to the Los Angeles Religious Education Congress in February.

**Ralph McInerny**, the Grace Professor of Medieval Studies, director of the Maritain Center, and professor of philosophy, joined others, including **Alasdair MacIntyre**, research professor of philosophy, as patrons of the newly created Thomistic Institute at Oxford Univ. to make the presence of Saint Thomas more visible at Oxford; presented "Literature and the Mystery Novel" at a workshop for the "Sophomore Literary Festival," Feb. 14, and appeared on a panel and was an invited workshop speaker and panelist at the same event on Feb. 14 and 15.

**Elizabeth S. Moore**, associate professor of marketing, was an invited speaker at the "Workshop on Marketing Strategies that Foster Healthy Food and Beverage Choices in Children and Youth," sponsored by the Institute of Medicine of the National Academies of Sciences, Washington, D.C., Jan. 27.

**Lenny Moss**, assistant professor of philosophy and fellow of the Nanovic Institute, presented "Redundancy, Plasticity and Detachment: The Implications of Recent Molecular Biology for Evolutionary Thinking" to a meeting of the Philosophy of Science Association, Austin, Tex., Nov. 20.

**Rev. Ronald J. Nuzzi**, director, ACE Leadership Program, presented "*Pro Deo et Patria: Catholic Schools Still Make a Difference*" to the pastors and principals of the Diocese of Tucson, Feb. 14, at Mother of Sorrows Parish.

**Catherine Perry**, associate professor of French and Francophone studies, gave an invited presentation at the round table organized by the Conseil International d'Études Francophones "*Quelles francophonies pour le XXIe siècle?*" MLA convention, Philadelphia, Dec. 27-30.

**Alvin Plantinga**, the O'Brien Professor of Philosophy, presented "An Evolutionary Argument against Naturalism" at Hillsdale College, Sept. 8; the Ryle lectures "Evolution and Christian Belief," "Evolutionary Psychology and Games Scientists Play," "Evolution vs. Naturalism," and "Naturalism and Skepticism" at Trent Univ., Peterborough, Ontario, Sept. 27-30; "Science and Religion" and "Properly Basic Christian Belief?" at Beijing Univ., Oct. 20-21; the Stanton lectures "Evolution and Design," "Evolutionary Psychology and Christian Belief," "Methodological Naturalism and

Games Scientists Play," "Divine Action in the World," and "Evolution vs. Naturalism" at Cambridge Univ., Nov. 8–17; "Divine Action in the World" to the "Society of Christian Philosophers Conference," Cumberland College, Williamsburg, Ky., Dec. 3; "Against Materialism" at the Univ. of California, Santa Cruz, Jan. 20; and "Naturalism Defeated" and "Evolutionary Psychology and Scripture Scholarship" at Florida State Univ., Feb. 17–18.

**Joseph M. Powers**, associate professor of aerospace and mechanical engineering, presented "Accurate Estimates of Fine Scale Reaction Zone Thicknesses in Gas Phase Detonations," written with **Samuel Paolucci**, professor of aerospace and mechanical engineering; "Exact Solutions for Two-Dimensional Reactive Flow for Verification of Numerical Algorithms," written with T.D. Aslam; and "Highly Accurate Numerical Simulations of Pulsating One-Dimensional Detonations," written with A.K. Henrick and T.D. Aslam, at the "43rd AIAA Aerospace Sciences Meeting and Exhibit," Reno, Nev., Jan. 10–13.

**M. Katherine Tillman**, professor in the Program of Liberal Studies, presented an invited, plenary session address at the "Fourth International Newman Conference" at Oxford Univ. titled "Can Truth Be Taught? Newman and the Issues of Plato's Meno," in August.

**William L. Wilkie**, the Nathe Professor of Marketing, presented "Research that Matters: Contributing to Scholarship and Public Policy" at the "Winter Educator's Conference" of the American Marketing Association, San Antonio, Feb. 12; and, with **Elizabeth S. Moore**, associate professor of marketing, "Award-Winning Research: The '4 Eras' Project," at the same conference, Feb. 13.

**Carolyn Y. Woo**, the Gillen Dean and Siegfried Chair in Entrepreneurial Studies, presented "Silence and Prayer as the Growth Engine," CIRAN IV, Montreal, in January; the keynote "Get Real: Making the Mission Statement Operational" to the Association of Catholic Colleges and Universities, Washington D.C., in January; and "Peace through Commerce," at the AACSB Deans' Conference, Tampa, in February.

## Publications

**Wendy Arons**, assistant professor in Film, Television, and Theatre and fellow in the Nanovic Institute, published "The Secret in the Wings," a performance review, in *Theatre Journal* 56, No. 2 (May): 319–320.

**Geoffrey Bennett**, professor of law and director of the London Law Program, published *Davies on Contract*, ninth edition, with R.V. Upex (London: Sweet and Maxwell, 2004); "Criminal Procedure and Sentencing," *All England Law Reports Annual Review of 2003* (LexisNexis, 2004): 140–154; and "Wrongful Conviction, Lawyer Incompetence and English Law—Some Recent Themes," *Brandeis Law Journal* 42, No. 2 (2004): 189–205.

**Susan Blum**, associate professor of anthropology, published "Buzzing and Writing the Day Away Instant Messaging: Studying a New Form of Communication," *Anthropology News* 46, No. 2 (Feb.): 29–30.

**Greg Downey**, assistant professor of anthropology, published *Learning Capoeira: Lessons in Cunning from an Afro-Brazilian Art* (New York: Oxford Univ. Press, 2005).

**Thomas J. Frecka**, the Lizzadro Professor of Accountancy, **Michael H. Morris**, professor of accountancy, and **Ramachandran Ramanan**, professor of accountancy, published "Back to the Future: Implementing a Broad Economic, Inquiry-Based Approach to Accounting Education," *Journal of Education for Business* 80, No. 2 (Nov./Dec.): 69–74.

**Paquita Y. Friday**, assistant professor of accountancy, published "Relative Valuation Roles of Equity Book Value, Net Income and Cash Flows during a Macroeconomic Shock: The Case of Mexico and the 1994 Currency Crisis" with E.A. Gordon, *Journal of International Accounting Research* 4, No. 1 (2005).

**Agustin Fuentes**, associate professor of anthropology, published "Chimpanzees are Not Proto-Hominins and Early Human Mothers May Not Have Foraged Alone," *Behavioral and Brain Sciences* 27, No. 4 (2005): 513.

**Alyssa Gillespie**, the Notre Dame Assistant Professor of Russian Language and Literature and fellow of the Nanovic

Institute, published "Sidestepping Silence, Ventriloquizing Death: A Reconsideration of Pushkin's Stone Island Cycle," *Pushkin Review* 6–7 (2003–2004): 39–83.

**Romana Huk**, associate professor of English, published *Stevie Smith: Between the Lines* (London: Palgrave Macmillan Ltd., 2005).

**Julia Marvin**, assistant professor in the Program of Liberal Studies and fellow of the Medieval Institute, published "Anglo-Norman Narrative as History or Fable: Judging by Appearances," in *The Medieval Chronicle* 3 (2004): 116–134.

**Maura Mast**, visiting assistant professor of mathematics, published "The Minimal Marked Length Spectrum of Riemannian Two-Step Nilmanifolds" with R. Gornet, *Michigan Mathematical Journal* 52, No. 3 (2004): 683–716.

**Lenny Moss**, assistant professor of philosophy and fellow of the Nanovic Institute, published "Commentary on Falk and Downes" in *Hist. Phil. Life. Sci.* 26 (2004): 123–129.

**Margaret Pfeil**, assistant professor of theology, published a review essay, "Gender and Globalization," *Journal of Catholic Social Thought* 2, No. 1 (winter 2005): 265–268.

**Jim A. Seida**, assistant professor of accountancy, published "Effective Tax Rate Changes and Earnings Stripping following Corporate Inversion," with W. Wempe in *The National Tax Journal* (Dec.): 805–827; and "Do Holding Period Incentives Affect Earnings-Release Period Selling Activity?" with D. Hurtt in *The Journal of the American Taxation Association* 26, No. 2 (2004).

**John W. Stamper**, associate professor and associate dean, School of Architecture, published *The Architecture of Roman Temples: The Republic to the Middle Empire* (Cambridge: Cambridge Univ. Press, 2005), 287 pp.

**Samir Younés**, associate professor of architecture and director of Rome Studies, co-edited with E. Mazzola Barletta, *Sea Centre and Periphery, Mare centro e periferia* (Rome: Gangemi, 2005).

# 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. **Faculty from the Colleges of Arts and Letters, Science and Engineering, and the School of Architecture, are eligible.**

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 all documentation to the Graduate School by Friday, March 11, 2005.**

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  
2003–2004 Gary Lamberti

## 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 résumé, 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 11, 2005.

### Research Achievement Award Winners

2000–2001 Arvind Varma  
2001–2002 Eugene Ulrich  
2002–2003 Maureen Hallinan  
2003–2004 George Marsden

## 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 11, 2005.

### Faculty Award Winners Since 1960

1959–1960 Otto Bird  
1960–1961 John Frederick  
1961–1962 Milton Burton  
1962–1963 Stephen Kertesz  
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  
 2003–2004 Fernand "Tex" Dutile

### 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 11, 2005.

### 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. Wilber  
 1982 Kenneth and Penny Jameson  
 1983 Julian Pleasants  
 1984 John W. Houck and Oliver F. Williams, C.S.C.  
 1985 James Sterba  
 1986 John H. Yoder  
 1987 Stephen Worland  
 1988 Denis Goulet  
 1989 Sharon Lynn O'Brien  
 1990 John J. Gilligan  
 1991 Thomas and Nancy Shaffer  
 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  
 2004 Teresa Ghilarducci

### 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 11, 2005.

### 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  
 2004 Bro. Louis Hurcik, C.S.C.

## Foik Award Nominations Sought

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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, Joanne Bessler, and Doug Archer.

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 11, 2005. Such letters should include reasons for considering the nominee for this award.

# Research

## Awards and Proposal Summary

01/01/2005 to 01/31/2005

### Awards Received

Category	No.	Amount
Research	26	\$2,203,545
Instructional Programs	2	\$44,000
<b>Total:</b>	<b>28</b>	<b>\$2,247,545</b>

### Proposals Submitted

Category	No.	Amount
Research	76	\$18,853,405
Instructional Programs	1	\$86,000
<b>Total:</b>	<b>77</b>	<b>\$18,939,405</b>

## January 2005 Cumulative summary

### Awards Received

	07.01.2002 - 01.31.2003		07.01.2003 - 01.31.2004		07.01.2004 - 01.31.2005	
Category	No.	Amount	No.	Amount	No.	Amount
Research	190	\$32,744,401	232	\$34,384,396	208	\$43,577,770
Facilities and Equipment						
Instructional Programs	10	\$1,333,710	8	\$1,166,443	2	\$44,000
Other Programs			1	\$62,500		
Service Programs						
<b>Total:</b>	<b>200</b>	<b>\$34,078,111</b>	<b>241</b>	<b>\$35,613,339</b>	<b>210</b>	<b>\$43,621,770</b>

### Proposals Submitted

	07.01.2002 - 01.31.2003		07.01.2003 - 01.31.2004		07.01.2004 - 01.31.2005	
Category	No.	Amount	No.	Amount	No.	Amount
Research	350	\$97,888,052	448	\$166,381,272	460	\$136,901,158
Facilities and Equipment						
Instructional Programs	7	\$3,253,080	2	\$88,533	10	\$2,516,561
Other Programs						
Service Programs						
<b>Total:</b>	<b>357</b>	<b>\$101,141,132</b>	<b>450</b>	<b>\$166,469,805</b>	<b>470</b>	<b>\$139,417,719</b>

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

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at [research@nd.edu](mailto:research@nd.edu) or 631-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

### Awards received during the period Jan-01-2005 to Jan-31-2005

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C. (Center or Institute)	V-22 Wing Separation Control Using Plasma Actuators	Corporate Funding	\$36,450	24
Jumper, Eric J. (Center or Institute)	Aero-Optical Modeling and Validation for HEL Systems	Corporate Funding	\$119,373	12
Morris, Scott C. Mueller, Thomas J. (Center or Institute)	Experimental and Analytical Study of the Hydroacoustics of Propellers	Department of Navy	\$21,409	24
Schmid, Steven R. Ovaert, Timothy C.	Nanoscale Simulation of Chemical Mechanical Polishing	Corporate Funding	\$72,000	12
Skaar, Steven B	Robotic Depalletizing Prototype	Corporate Funding	\$47,500	24
<b>Department or Office:</b>	Biological Sciences			
Suckow, Mark Allen (Center or Institute)	2003-04 IPA Agreement	Veteran Affairs Medical Center	\$12,000	12
<b>Department or Office:</b>	Chemical Engineering			
Chang, Hsueh-Chia Veretennikov, Igor N. Takhistov, Pavlo V. Ostafin, Agnes E	Microcirculation Anomalies in Microgravity Blood Flow	National Aeronautics and Space Administration	\$97,529	45
Maginn, Edward J. (Center or Institute)	Determination of Physical Properties of Energetic Ionic Liquids Using Molecular Simulations	Department of the Air Force	\$53,855	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Baker, Brian M.	CAREER: Assembly and Dynamics of Class I Peptide/MHC Complexes	National Science Foundation	\$150,000	60



**Awards received during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Clark, Patricia L.	CAREER: Conformations of Beta-Sheet Folding Intermediates: The Discrimination Between Productive Folding and Aggregation	National Science Foundation	\$151,443	60
Fehlner, Thomas P.	Systematic Metallaborane Reaction Chemistry	National Science Foundation	\$150,000	36
Hartland, Gregory V.	Material Properties of Nanospheres and Nanorods Studied by Time-Resolved Spectroscopy	National Science Foundation	\$93,500	36
Helquist, Paul (Center or Institute)	Preclinical Drug Development Studies of Antiproliferative Marine Macrolides	Private Foundation	\$50,000	24
Joyce, David E. (Center or Institute)	Evaluation of Thrombospondin Peptide, ABT510, in Min/+ Mouse Intestinal Adenoma	Corporate Funding	\$20,000	24
Mobashery, Shahriar	Ribosomal Function & Antibiotic Design	National Institutes of Health	\$282,318	53
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Kareem, Ahsan	Study of Load Effects on Structures Induced by Gust-Fronts	National Science Foundation	\$233,199	36
Salvati, Lynn A.	Cyclic Behavior of Cemented Sands: Testing, Field Variation, and Modeling	National Science Foundation	\$95,497	60

**Awards received during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Computer Science & Engineering				
Izaguirre, Jesus A	CAREER: Scalable Mathematical and Computational Models for Biomolecular Modeling	National Science Foundation	\$64,628	60
Kogge, Peter M.	"At the Memory" Floating Point Architecture Research	Sandia National Laboratory	\$50,000	7
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	\$82,889	48
<b>Department or Office:</b> Electrical Engineering				
Sauer, Ken D	Research on Iterative Reconstruction Methods for Spiral X-ray CT	Corporate Funding	\$36,015	53
<b>Department or Office:</b> Institute for Latino Studies				
Hernandez, Edwin I. Burwell, Rebecca (Center or Institute)	Nueva Esperanza's Hispanic Capacity Project	Corporate Funding	\$95,825	37
Hernandez, Edwin I. (Center or Institute)	Latino Pastoral Leadership Initiative	Private Foundation	\$75,000	24
<b>Department or Office:</b> Physics				
Bigi, Ikaros I.	Rare Beauty, Charm and Tau Decays as Windows onto Extra Dimensions	Private Foundation	\$7,000	24
Garg, Umesh	Research on Nuclei	Argonne National Laboratory	\$30,515	12
Tanner, Carol E. Gerginov, Vladislav P.	Development of Advanced Microfabricated Atomic Clocks	National Institute Standards & Technology	\$75,600	12

**Awards received during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Instructional Programs</u></b>				
<b>Department or Office:</b> Upward Bound				
Coates, Alyssia J.	Mastering Occupational Development for Youth's Success	Private Foundation	\$25,000	18
Coates, Alyssia J.	Mastering Occupational Development for Youth's Success	Private Foundation	\$19,000	6

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Jumper, Eric J.	Aero-optics Research & Development	Corporate Funding	\$29,887	9
Jumper, Eric J.	Development of a Flight-Worthy, High-Bandwidth and Time-Resolved Instrument for Wavefront Aberration Assessment	Corporate Funding	\$29,887	9
Nelson, Robert C.	Flight Demonstration of the Integration of Flight Control and Active Flow Control	Corporate Funding	\$25,000	9
Renaud, John E. Roeder, Ryan K.	A Multi-scale Hybrid Cellular Automaton Synthesis Tool for Hierarchical Nanomaterial Design	National Science Foundation	\$497,329	36
<b>Department or Office:</b>	Biological Sciences			
Hollocher, Hope	Population and evolutionary developmental dynamics of pigmentation in Neotropical Drosophila	National Science Foundation	\$387,273	36
Hyde, David R.	Development of Genetic Tools to Study Retinal Regeneration in Zebrafish	National Institutes of Health	\$187,500	12
Lamberti, Gary A. Chaloner, Dominic T. Tank, Jennifer L.	The role of salmon-derived nutrients in managed U.S. forests	Department of Agriculture	\$497,041	30

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Li, Lei	Searching for visual system mutations in adult zebrafish	National Institutes of Health	\$222,750	12
Lodge, David M. Lamberti, Gary A.	REU Supplement	National Science Foundation	\$13,790	4
McKee, Edward E.	Mitochondrial toxicity of antiviral nucleoside analogs with relation to deoxynucleoside salvage pathway	Private Foundation	\$52,000	24
Rowling, Matthew Welsh, JoEllen J.	Transport of Anti-tumorigenic Vitamins in the Mammary Gland	National Institutes of Health	\$80,969	12
Schorey, Jeffrey S.	Macrophage signaling upon M. avium infection	National Institutes of Health	\$284,875	12
Severson, David W. Romero-Severson, Jeanne	Behavior Genetics Among Culex Mosquitoes	National Institutes of Health	\$362,500	12
Shay, Neil F.	Soy Isoflavones: Interactions with Lipid Metabolism and Lipid-Lowering Drugs	National Institutes of Health	\$332,500	12
Suckow, Mark A.	Evaluation of a Novel Anti-Cancer Compound	Corporate Funding	\$2,208	12

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Mukasyan, Alexander S.	Advanced Nano Materials by Combustion Synthesis: Mechanistic Studies	National Science Foundation	\$314,538	36
Palmer, Andre F.	Engineering (high molecular weight)-(high oxygen affinity) hemoglobin-based oxygen carriers	Private Foundation	\$132,000	24
Schneider, William F.	Theoretical Investigation of Cooperative Adsorption Effects on Metal Oxide Surfaces	National Science Foundation	\$299,969	36
<b>Department or Office:</b>	Chemistry and Biochemistry			
Brown, Seth N.	Electronic Symmetry and Dissymmetry in Catalysis	National Science Foundation	\$524,865	36
Castellino, Francis J. Ploplis, Victoria A.	The Protein C Pathway in Acute and Chronic Asthma	Private Foundation	\$0	36
Helquist, Paul Tenniswood, Martin	Development of Antiproliferative Marine Macrolides	National Institutes of Health	\$273,306	12
Krchnak, Viktor	Iterative Solid-Phase Synthesis of Macrolide Backbone	National Institutes of Health	\$187,500	12
Ploplis, Victoria A.	Pathological Consequences of the Plasminogen System	National Institutes of Health	\$300,000	12

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Taylor, Richard E.	Synthesis of Biologically Significant Cyclopropanes	National Science Foundation	\$744,958	36
Taylor, Richard E.	Conformational Analysis and Biological Consequences of the Leptomycin Family	Corporate Funding	\$309,600	36
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Neal, Clive R.	Basic Research Into Microbe-Platinum-Group Element Interactions	National Science Foundation	\$197,225	24
Nerenberg, Robert Tank, Jennifer L.	Nitrogen Removal from Headwater Streams Using Elemental Sulfur	University of New Hampshire	\$23,796	9
Nerenberg, Robert Maurice, Patricia A. Woertz, Jennifer R. Zhu, Yingxi E.	Acquisition of a Confocal Laser Scanning Microscope (CLSM) With Fluorescence Correlation Spectroscopy (FCS) for Research in Biofilms and Complex Fluid	National Science Foundation	\$599,370	9
Westerink, Joannes J.	ADCIRC-CZMS-Coastal Zone Modeling Systems for Circulation, Transport and Morphology: Development and Applications	U.S. Army Corps of Engineers	\$445,506	35

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Westerink, Joannes J.	A High Resolution Basin to Channel Scale Storm Surge Model for Southern Louisiana, Mississippi, and Alabama	Corporate Funding	\$165,013	36
Woertz, Jennifer R.	Enhanced Ethanol Production by Genetically engineering Yeast to Reduce Volatile By-Product Formation	Department of Agriculture	\$83,334	24
<b>Department or Office:</b>	Computer Science & Engineering			
Chandra, Surendar Flynn, Patrick J.	Hydra: A robust and self-managing video sensing system for retrospective surveillance	National Science Foundation	\$222,950	12
Chandra, Surendar	FAWN: An Environment-Aware Flexible and Adaptive Framework for Wireless Sensor Network	National Science Foundation	\$298,823	12
Chandra, Surendar Flynn, Patrick J.	Nets-NBD: Hydra: A robust and self managing video sensing system for retrospective surveillance	National Science Foundation	\$793,126	36
Chandra, Surendar	Nets-NOSS: Collaborative Research: An Adaptive Security Framework for Wireless Sensor	National Science Foundation	\$259,341	36
Chen, Danny Z.	Applied Computational Geometry Algorithms and Applications	National Science Foundation	\$276,948	36



**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Chen, Danny Z.	4D IMAT Planning Using Graph Algorithms	University of Maryland	\$81,753	12
Scheutz, Matthias J. Boyd, Sunny K.	Neurochemical Control of Agression: A Computational Model for Social Behaviors	National Institutes of Health	\$75,000	12
Striegel, Aaron Poellabauer, Christian	NETS-NBD: Collaborative Research: Edge-Centric Resource Management for Qos, Fault-Tolerance, and Security	National Science Foundation	\$248,278	36
<b>Department or Office:</b> Economics and Econometrics				
Sullivan, James X.	Identifying the Poor, Measuring Poverty, and Assessing Material Well-Being	University of Chicago	\$23,398	12
Sullivan, James X.	Collaborative Research: Poverty, Consumption, and the Material Well-Being of the Poor	National Science Foundation	\$94,026	36
<b>Department or Office:</b> Electrical Engineering				
Bernstein, Gary H. Snider, Gregory L. Fay, Patrick J.	Quilt Packaging: A New Paradigm for the Integration of Heterogeneous Communications Systems-In-Package	National Science Foundation	\$275,822	12
Collins, Oliver M.	Intrinsically Digital Radios	National Science Foundation	\$495,659	36

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Costello, Daniel J. Fuja, Thomas E.	Bandwidth Efficient Coding Techniques	NASA - Goddard Space Flight	\$145,000	24
Fay, Patrick J. Seabaugh, Alan C.	Advanced Sensors for Millimeter-Wave Detention	National Science Foundation	\$248,824	12
Fay, Patrick J.	High-Speed Double-Balanced Receivers for Lasercom	Corporate Funding	\$33,318	9
Fay, Patrick J.	GaAsSb-based HBT's for W-band Amplifiers	Corporate Funding	\$20,007	6
Fay, Patrick J.	InAlAs-InP Avalanche Photodiode for Photon Counting	Corporate Funding	\$24,937	6
Laneman, J. N.	Cross-Layer Diversity Approaches to MIMO Communications	Department of Navy	\$309,436	36
Lent, Craig S.	Fundamentals of Energy and Information in Emerging Computation	National Science Foundation	\$467,990	36
Xing, Huili Furdyna, Jacek K. Jena, Debdeep Snider, Gregory L. Fay, Patrick J.	Acquisition of ICP Etch System for Nanostructures	National Science Foundation	\$358,912	12

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> English				
Rodriguez, Jaime J.	American Myths and the Mexican War: Identity, Time, and the Narratives of Nations	Private Foundation	\$40,000	12
<b>Department or Office:</b> George & Winifred Clark II (Chemistry)				
Miller, Marvin J. Chang, Mayland	Chemistry-Biology-Bioeng Interface Training Program at Notre Dame	National Institutes of Health	\$271,889	12
Miller, Marvin J. Krchnak, Viktor	Novel Derivatization/Functionaliz of Natural Products	National Institutes of Health	\$358,062	12
<b>Department or Office:</b> Mathematics				
Alber, Mark S. Barabasi, Albert-Laszlo	Workshop on Applications of Methods of Stochastic Systems and Statistical Physics in Biology	National Science Foundation	\$25,000	12
Buechler, Steven A. Knight, Julia F. Starchenko, Sergei Cholak, Peter A.	Two conferences in logic at Notre Dame	National Science Foundation	\$22,200	12
Connolly, Francis X.	The Borel Conjecture	National Science Foundation	\$121,500	36
Connolly, Francis X.	REU SITE: Notre Dame Research Experience for Undergraduates	National Science Foundation	\$79,960	36

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Hu, Bei	Partial Differential Equations and Free Boundary Problems	National Science Foundation	\$73,682	36
<b>Department or Office:</b>	Music			
Youens, Susan L.	Heinrich Heine and Song	National Endowment for the Humanities	\$40,000	12
<b>Department or Office:</b>	Political Science			
Javeline, Debra	Collaborative Research: Political Responses to Tragedy: Citizen Participation after Beslan	National Science Foundation	\$271,477	24
Zuckert, Michael P.	Freedom of Religion...Endowment for the Tocqueville Program in Religion and American Public Life	National Endowment for the Humanities	\$1,000,000	56
<b>Department or Office:</b>	Program of Liberal Studies			
Stapleford, Thomas A.	Bounded Conflict: The Consumer Price Index and American Political Economy, 1880-1985	National Science Foundation	\$91,684	12
<b>Department or Office:</b>	Psychology			
Boker, Steven M.	Hormones & Disordered Eating: Phenotypic/Genetic Links	Michigan State University	\$20,044	12
Lubke, Gitta	Psychometric and Genetic Assessments of Substance Abuse	Virginia Commonwealth University	\$19,541	12

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

Investigator(s)	Title	Sponsor	Dollars	Months
Lubke, Gitta	Novel methods to assess complex developmental changes	National Institutes of Health	\$112,500	12
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	South Bend Lead Alliance	Environmental Protection Agency	\$100,000	12
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto Koval, John P.	Paths to Economic Equality: The Occupational Mobility of Mexicans in Chicago	National Science Foundation	\$326,047	24
Cardenas, Gilberto	Poetas y Pintores: Artists Conversing with Verse	Corporate Funding	\$41,325	3
<b>Department or Office:</b>	Theology			
Blenkinsopp, Joseph	The Reception of the Book of Isaiah in Late Antiquity	Private Foundation	\$55,000	24

**Proposals for Instructional Programs**

<b>Department or Office:</b>	Political Science			
Tillery, Alvin B. Pope-Davis, Donald B.	Preparing Minority Students for Graduate Education: A Proposed Summer Training Program	Private Foundation	\$86,000	2

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

01/01/2005 to 01/31/2005

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Flow Physics and Control	3	\$177,232
Center for Molecularly Engineered Materials	1	\$53,855
Center for Transgene Research	1	\$20,000
Freimann Life Science Center	1	\$12,000
Institute for Latino Studies	2	\$170,825
Walther Cancer Research Center	1	\$50,000
<b>Total:</b>	<b>9</b>	<b>\$483,912</b>

#### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Flow Physics and Control	3	\$2,054,887
Center for Molecularly Engineered Materials	2	\$1,108,155
Center for Transgene Research	4	\$774,100
Center for Tropical Disease Research & Training	2	\$647,375
Center for Zebrafish Research	3	\$545,250
Environmental Molecular Science Institute	1	\$197,225
Freimann Life Science Center	1	\$2,208
Institute for Latino Studies	2	\$367,372
Nano Science and Technology Center	7	\$1,429,810
Robinson Community Learning Center	1	\$100,000
Walther Cancer Institute Chair I	1	\$744,958
Walther Cancer Research Center	2	\$545,195
<b>Total:</b>	<b>29</b>	<b>\$8,516,535</b>

## Awards and Proposal Summary

### Centers and Institutes Report

07/01/2004 to 01/31/2005

#### Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Center for Applied Mathematics	1	\$302,729
Center for Astrophysics	3	\$155,000
Center for Children and Families	1	\$1,629,988
Center for Environmental Science and Technology	2	\$135,518
Center for Flow Physics and Control	11	\$601,578
Center for Molecularly Engineered Materials	2	\$391,763
Center for Transgene Research	3	\$158,625
Center for Tropical Disease Research & Training	5	\$4,380,176
Center for Zebrafish Research	2	\$9,576
Environmental Molecular Science Institute	1	\$1,000,000
Environmental Research Center	2	\$431,265
Freimann Life Science Center	4	\$18,536
Institute for Church Life	1	\$80,000
Institute for Educational Initiatives	2	\$85,500
Institute for Latino Studies	10	\$1,030,825
Interdisciplinary Center for the Study of Biocomplexity	1	\$160,160
Jacques Maritain Center	1	\$25,000
Kellogg Institute for International Studies	2	\$316,013
Kroc Institute for International Peace Studies	2	\$341,469
Nano Science and Technology Center	14	\$3,909,375
Nanovic Institute	1	\$121,927
Nuclear Structure Laboratory	2	\$2,055,080
Office of the Provost	1	\$3,000,000
Radiation Laboratory	2	\$3,390,000
South Bend Center for Medical Education	2	\$263,836
Walther Cancer Research Center	2	\$188,105
<b>Total:</b>	<b>81</b>	<b>\$24,247,644</b>

#### Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	10	\$2,010,047
Center for Flow Physics and Control	12	\$4,675,992
Center for Microfluidics and Medical Diagnostics	3	\$774,774
Center for Molecularly Engineered Materials	3	\$1,258,155

## Awards and Proposal Summary

### Centers and Institutes Report

07/01/2004 to 01/31/2005

Department or Office	No.	Amount
Center for Social Concerns	1	\$20,000
Center for Transgene Research	9	\$1,695,600
Center for Tropical Disease Research & Training	11	\$10,690,611
Center for Zebrafish Research	5	\$1,155,125
Environmental Molecular Science Institute	1	\$197,225
Environmental Research Center	2	\$13,542
Freimann Life Science Center	4	\$10,351
Institute for Church Life	2	\$46,474
Institute for Educational Initiatives	5	\$211,704
Institute for Latino Studies	22	\$2,410,284
Kellogg Institute for International Studies	1	\$793,129
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	2	\$2,016,885
Nano Science and Technology Center	41	\$28,148,906
Nuclear Structure Laboratory	1	\$5,038,680
Radiation Laboratory	8	\$2,411,924
Reilly Center for Science, Technology and Values	1	\$37,500
Robinson Community Learning Center	2	\$299,947
Walther Cancer Institute Chair I	1	\$744,958
Walther Cancer Research Center	10	\$2,853,684
<b>Total:</b>	<b>158</b>	<b>\$67,555,497</b>



**Awards received during the period Jan-01-2005 to Jan-31-2005****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Awards for Research</b>				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Corke, Thomas C. (Center or Institute)	V-22 Wing Separation Control Using Plasma Actuators	Corporate Funding Inc.	\$36,450	006175-001
Morris, Scott C. Mueller, Thomas J. (Center or Institute)	Experimental and Analytical Study of the Hydroacoustics of Propellers	Department of Navy	\$21,409	006189-001
Jumper, Eric J. (Center or Institute)	Aero-Optical Modeling and Validation for HEL Systems	Corporate Funding	\$119,373	006418-001
<b>Department or Office:</b>	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	\$53,855	005973-001
<b>Department or Office:</b>	Center for Transgene Research			
Joyce, David E. (Center or Institute)	Evaluation of Thrombospondin Peptide, ABT510, in Min/+ Mouse Intestinal Adenoma	Corporate Funding	\$20,000	006421-001
<b>Department or Office:</b>	Freimann Life Science Center			
Suckow, Mark Allen (Center or Institute)	2003-04 IPA Agreement	Veteran Affairs Medical Center	\$12,000	000388-001
<b>Department or Office:</b>	Institute for Latino Studies			
Hernandez, Edwin I. Burwell, Rebecca (Center or Institute)	Nueva Esperanza's Hispanic Capacity Project	Corporate Funding	\$95,825	006055-001
Hernandez, Edwin I. (Center or Institute)	Latino Pastoral Leadership Initiative	Private Foundation	\$75,000	006416-001
<b>Department or Office:</b>	Walther Cancer Research Center			
Helquist, Paul (Center or Institute)	Preclinical Drug Development Studies of Antiproliferative Marine Macrolides	Private Foundation	\$50,000	006432-001

## Proposals submitted during the period Jan-01-2005 to Jan-31-2005

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J.	Aero-optics Research & Development	Corporate Funding	\$29,887	05070404
Nelson, Robert C.	Flight Demonstration of the Integration of Flight Control and Active Flow Control	Corporate Funding	\$25,000	05070410
Corke, Thomas C. Jumper, Eric J.	Wind Tunnel for Airbourne Platform Laser Research	National Science Foundation	\$2,000,000	05070444
<b>Department or Office:</b>	Center for Molecularly Engineered Materials			
McGinn, Paul J. Schneider, William F. Kamat, Prashant V.	Molecular Level Design of Non-noble Metal Electrodes for Hydrogen Fuel Cells	Department of Energy	\$793,617	05070399
Mukasyan, Alexander S.	Advanced Nano Materials by Combustion Synthesis: Mechanistic Studies	National Science Foundation	\$314,538	05070461
<b>Department or Office:</b>	Center for Transgene Research			
Iwaki, Takayuki	The role of plasminogen in the murine model of type IIa familial hypercholesterolemia	Private Foundation	\$259,600	05070425
Iwaki, Takayuki	The role of plasminogen in the murine model of type IIa familial hypercholesterolemia	Private Foundation	\$214,500	05070426
Castellino, Francis J. Ploplis, Victoria A.	The Protein C Pathway in Acute and Chronic Asthma	Private Foundation	\$0	05070439
Ploplis, Victoria A.	Pathological Consequences of the Plasminogen System	National Institutes of Health	\$300,000	05070442
<b>Department or Office:</b>	Center for Tropical Disease Research & Training			
Severson, David W. Romero-Severson, Jeanne	Behavior Genetics Among Culex Mosquitoes	National Institutes of Health	\$362,500	05070455
Schorey, Jeffrey S.	Macrophage signaling upon M. avium infection	National Institutes of Health	\$284,875	05070457
<b>Department or Office:</b>	Center for Zebrafish Research			
Li, Lei	Searching for visual system mutations in adult zebrafish	National Institutes of Health	\$222,750	05070418

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Vaughan, Kevin T. Tauhata, Sinji B.	Microtubule Motor Subunit Complexity as a Target for Motor Neuron Disease	Private Foundation	\$135,000	05070432
Hyde, David R.	Development of Genetic Tools to Study Retinal Regeneration in Zebrafish	National Institutes of Health	\$187,500	05070462
<b>Department or Office:</b>	Environmental Molecular Science Institute			
Neal, Clive R.	Basic Research Into Microbe-Platinum-Group Element Interactions	National Science Foundation	\$197,225	05070400
<b>Department or Office:</b>	Freimann Life Science Center			
Suckow, Mark A.	Evaluation of a Novel Anti-Cancer Compound	Corporate Funding	\$2,208	05070447
<b>Department or Office:</b>	Institute for Latino Studies			
Cardenas, Gilberto Koval, John P.	Paths to Economic Equality: The Occupational Mobility of Mexicans in Chicago	National Science Foundation	\$326,047	05070429
Cardenas, Gilberto	Poetas y Pintores: Artists Conversing with Verse	Corporate Funding	\$41,325	05070458
<b>Department or Office:</b>	Nano Science and Technology Center			
Bernstein, Gary H. Snider, Gregory L. Fay, Patrick J.	Quilt Packaging: A New Paradigm for the Integration of Heterogeneous Communications Systems-In-Package	National Science Foundation	\$275,822	05070403
Fay, Patrick J.	GaAsSb-based HBT's for W-band Amplifiers	Corporate Funding	\$20,007	05070459
Lent, Craig S.	Fundamentals of Energy and Information in Emerging Computation	National Science Foundation	\$467,990	05070463
Xing, Huili Furdyna, Jacek K. Jena, Debdeep Snider, Gregory L. Fay, Patrick J.	Acquisition of ICP Etch System for Nanostructures	National Science Foundation	\$358,912	05070453
Fay, Patrick J. Seabaugh, Alan C.	Advanced Sensors for Millimeter-Wave Detention	National Science Foundation	\$248,824	05070411

**Proposals submitted during the period Jan-01-2005 to Jan-31-2005**

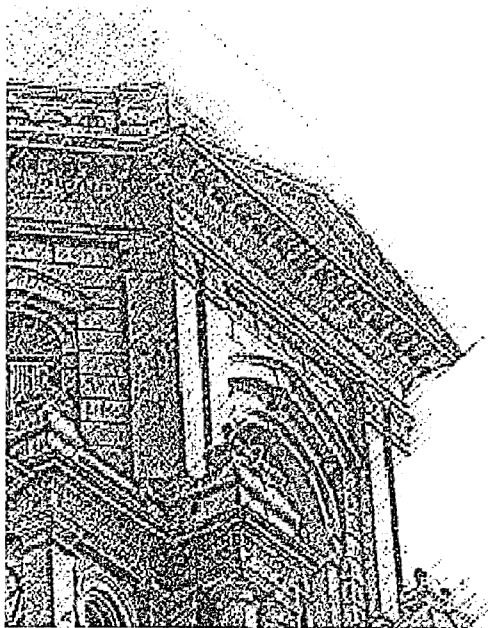
**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Fay, Patrick J.	High-Speed Double-Balanced Receivers for Lasercom	Corporate Funding	\$33,318	05070416
Fay, Patrick J.	InAlAs-InP Avalanche Photodiode for Photon Counting	Corporate Funding	\$24,937	05070415
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	South Bend Lead Alliance	Environmental Protection Agency	\$100,000	05070473
<b>Department or Office:</b>	Walther Cancer Institute Chair I			
Taylor, Richard E.	Synthesis of Biologically Significant Cyclopropanes	National Science Foundation	\$744,958	05070419
<b>Department or Office:</b>	Walther Cancer Research Center			
Miller, Marvin J. Chang, Mayland	Chemistry-Biology-Bioeng Interface Training Program at Notre Dame	National Institutes of Health	\$271,889	05070412
Helquist, Paul Tenniswood, Martin	Development of Antiproliferative Marine Macrolides	National Institutes of Health	\$273,306	05070449

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# Notre Dame Report

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