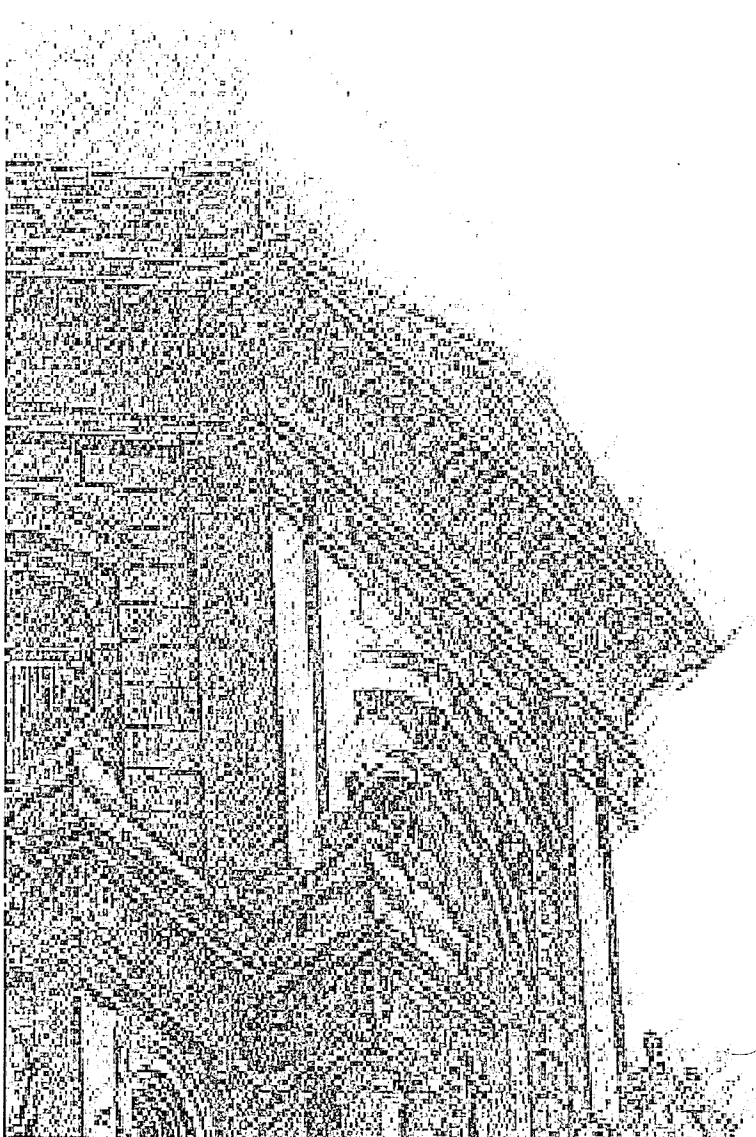


# Notre Dame Report

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## Faculty Notes

- 1 ..... Honors
- 1 ..... Activities
- 4 ..... Publications

## Administrators' Notes

- 6 ..... Activities
- 6 ..... Publications

## Documentation

- 6 ..... Faculty Honors
- 8 ..... Faculty Awards
- 11 ..... Faculty Board on Athletics
- 14 ..... 2003–2004 Publication Schedule for  
*Notre Dame Report* Vol. 33
- 14 ..... *Notre Dame Report* Submission  
Information
- 15 ..... Errors and Omissions

## Research

- 16 ..... Awards and Proposals, July 2003

AUGUST 29, 2003

NUMBER 1

# Faculty Notes

## Honors

**Asma Afsaruddin**, associate professor of Arabic and fellow in the Kroc Institute, will be a visiting scholar at the Centre for Islamic Studies, School of Oriental and African Studies, Univ. of London, autumn term, 2003.

**J. Douglas Archer**, librarian, was appointed to a second term as chair of the American Library Association's Intellectual Freedom Roundtable, Publications Committee, and as editor of its IFRT Report. He was also appointed to the roundtable's Membership Promotion Committee.

**Katharina J. Blackstead**, librarian, was appointed chair of the Trends, Marketing and Project Development Committee of the Library Administration and Management Association, Fundraising and Financial Development Section for the 2003–04 fiscal year.

**John G. Borkowski**, the McKenna Family Professor of Psychology and Institute for Educational Initiatives fellow, was presented the Edgar Doll award for lifetime scientific contributions to the fields of mental retardation and developmental disabilities, by the American Psychological Association at its annual meetings in Toronto, Aug. 7.

**Julia V. Douthwaite**, professor of Romance languages and literatures, director of SUNDEF, fellow in the Nanovic Institute, and assistant provost for International Studies, was named *Membre associé, Centre d'Étude des Littératures Ancienne et Moderne* at the Univ. de Rennes, France.

**Kristin Hager**, assistant professor of biological sciences, was recognized by National Academy of Sciences (USA) and the Alexander von Humboldt Society (German counterpart to NAS) as "a young researcher at the forefront of her field and who has made a significant contribution to science," and was invited to present her work at the German-American Frontiers of Science

(GAFOS) meeting in June of 2003 and will help organize the GAFOS 2004 meeting.

**Paula M. Higgins**, professor of music and Medieval Institute fellow, was awarded a National Endowment for the Humanities Fellowship at the Newberry Library, Chicago, for the academic year 2003–04.

**Robert C. Johansen**, senior fellow at the Kroc Institute and professor of political science, was invited by the Chicago Council on Foreign Relations to participate in a task force of 30 prominent leaders and policy specialists from the Midwest to evaluate the U.S. role in the world at a time of radically changing U.S. policies. The American Primacy Task Force will review the new National Security Strategy and its implications, the role of international institutions in achieving U.S. strategic objectives, and the potential for imperial overstretch, in monthly meetings from September 2003, to May 2004.

**Peter R. Moody Jr.**, professor of political science, was named to the editorial board of the *Chinese Journal of Political Science*.

**Hon. Kenneth F. Ripple**, professor of law, was appointed by the Chief Justice of the United States to a three-year term on the Judicial Conference Committee on the Administrative Office of the United States Courts.

**Mark R. Schurr**, associate professor of anthropology, was invited to serve a four-year term on the board of directors of Potawatomi Park, Inc., which oversees the direction of the Potawatomi Wildlife Park in Marshall County, Indiana.

**Mark A. Suckow, D.V.M.**, director of the Freimann Life Science Center, was elected president of the American Association for Laboratory Animal Science. He will serve as vice president-elect in 2004, vice president in 2005, and president in 2006.

## Activities

**Asma Afsaruddin**, associate professor of Arabic and fellow in the Kroc Institute, presented "Obedience to Political Authority: an Evolutionary Concept" at the annual conference of the Center for the Study of Islam and Democracy, Washington, D.C., May 17; was an invited discussant at a panel presentation on "Islam and Democracy" at the Secretary's Open Forum, State Department, Washington, D.C., June 16; and presented "Education, Piety, and Religious Leadership: Reinserting Women in the Master Narrative" at the annual conference of the British Society for Middle Eastern Studies, held at the Institute for Arabic and Islamic Studies, Univ. of Exeter, England, July 14.

**Panos J. Antsaklis**, the Brosey Professor of Electrical Engineering and director of the Center for Applied Mathematics, organized and administered the 2002–03 Brosey Distinguished Lectures in Networked Embedded Systems; gave a keynote speech as part of the IEEE Control Systems Society Distinguished Lecture series titled "The Quest for Autonomy in Engineering Systems: Intelligent Control, Hybrid Systems and Networking" at the IEEE/Southeast Michigan (IEEE/SEM) Section Technical Meeting at the Yazaki-North America Corporation, Detroit, on March 26; was the general chair of the workshop in honor of Anthony N. Michel titled "Contemporary Issues in Systems Stability and Control with Applications," Notre Dame, April 5; presented an invited lecture titled "Sensor Webs—an Autonomous Control Systems Perspective," May 9, at the Berkeley mini-workshop on the fundamentals of sensor webs (environment sensing and large-scale sensor networks), Univ. of California, Berkeley; and presented "The Quest for Autonomy in Engineering Systems: Intelligent Control, Hybrid Systems and Networking" at the National Technical Univ. of Athens, Greece, June 10, which lecture was televised and simultaneously broadcast to several other universities in Greece and also made available on the Internet via webcast. On June 18 he gave a plenary lecture at the 11th Mediterranean Conference on Control and Automation (MED'03) in Rhodes, Greece, titled "Control of Networked Embedded Systems." He participated in the evaluation

of the *Max-Planck-Institut für Dynamik komplexer technischer Systeme* in Magdeburg, Germany, as a member of its Scientific Advisory Board, June 23–25.

**Doris L. Bergen**, associate professor of history, Nanovic Institute and Kroc Institute fellow, published "Religion and the Holocaust: Some Reflections," *Lessons and Legacies IV, Reflections on Religion, Justice, Sexuality, and Genocide*, L.V. Thompson, ed. (Evanston: Northwestern Univ. Press, 2003): 41–65.

**Katharina J. Blackstead**, librarian, presented and chaired a session on "Advancement Strategies for Fiscally Uncertain Times" at the annual conference of Development Officers of Research and Academic Libraries, at the Univ. of Illinois, Urbana-Champaign, June 12.

**John G. Borkowski**, the McKenna Family Professor of Psychology and Institute for Educational Initiatives fellow, presented a Hesburgh Lecture "What Parents and Teachers Can Do About School Reform" in Baltimore, Mar. 20; and the invited talk "Whatever Happened to Intelligence and Cognition During Gatlinburg's Westward Migration?" at the Gatlinburg Conference on Research and Theory in MR/DD in Annapolis, Md., Mar. 21, where he and **Thomas L. Whitman**, professor of psychology, organized the symposium "Risk and Protective Factors in the Development of Children with Adolescent Mothers." Prof. Borkowski cowrote "Risk, Protection and Resilience in Children of Adolescent Mothers," with J. Farris and K. Week, and "Fathers' Influence in the Lives of Children with Adolescent Mothers," with K. Howard, both of which were presented at the meetings of the Society for Research in Child Development in Tampa, Fla., April 25–26. On May 15, he presented the Hesburgh Lecture "Parenting Children in a Changing World" in Madison, Wisc.; and the Edgar Doll invited address "Redefining Mental Retardation: New Roles for Executive Functioning" at the meetings of the American Psychological Association in Toronto, Aug. 7.

**Jay Brandenberger**, professional specialist at the Center for Social Concerns and concurrent associate professor of psychology, presented an invited faculty workshop titled "Developmental Contexts for Moral

and Civic Learning" at John Carroll Univ., Cleveland, in May.

**Lisa Caponigri**, assistant professional specialist in the Dept. of Romance Languages and Literatures, taught "International Business Strategies: Gucci, a Case Study" at the Univ. of Syracuse, Florence, Italy, as visiting professor for the fall 2002 semester. She also was the keynote speaker at a conference on globalization held at the university, and presented "Corporate Governance: Is Corporate America Devoid of Ethics?" in October.

**Meredith S. Chesson**, assistant professor of anthropology, presented "Civic Governance and Social Complexity in Early Bronze Age Southern Levant" at the 2003 annual meeting of the Society for American Archaeology, Milwaukee, in April.

**Daniel M. Chipman**, professional specialist in the Radiation Laboratory, presented "Dielectric Continuum Theory with Electronic Structure" at the 11th International Congress of Quantum Chemistry, July 20–26, in Bonn, Germany.

**Norman Crowe**, professor of architecture, served as a juror for the annual Architectural Reconstruction and Renovation Awards Competition, sponsored by *Building Design & Construction Journal*, in Chicago on July 8.

**Julia V. Douthwaite**, professor of Romance languages and literatures, director of SUN-DEF, fellow in the Nanovic Institute, and assistant provost for International Studies, presented "The Politics of Imagination: Creating French National Identity, 1795–99" at the annual meeting of the Irish Society for Eighteenth-Century Studies, Dublin, Ireland, May 1.

**Umesh Garg**, professor of physics, presented the invited talk "The Isoscalar Giant Dipole Resonance: A Status Report" at the International Conference on Collective Motion in Nuclei under Extreme Conditions, Paris, June 10–13.

**Nicole S. Garnett**, associate professor of law, was an invited participant at the colloquium "Property, Poverty and Race," sponsored by the New York Univ. School of Law, Villa La Pietra in Florence, Italy, July 13–16.

**Richard W. Garnett**, associate professor of law, chaired the panel presentation "Voluntary Associations and the American

Experience" at the annual conference of the Law and Society Association, June 5, in Pittsburgh, Penn.; and was an invited participant at the colloquium "Property, Poverty and Race," sponsored by the New York Univ. School of Law, Villa La Pietra in Florence, Italy, July 13–16.

**Dirk M. Guldi**, associate professional specialist in the Radiation Laboratory, presented "Charge Separation and Organization in Nanostructured Functional Systems" at IWFAC '2003, June 30 through July 4, in St. Petersburg, Russia; and "Supramolecular Donor Acceptor Nanoensembles" at the Gordon Conference on Photochemistry, July 20–25, in South Hadley, Mass.

**Kristin Hager**, assistant professor of biological sciences, presented "Membrane Trafficking in the Opportunistic Pathogen, *Toxoplasma gondii*" as part of the Bay Paul Center Seminar Series, Marine Biological Laboratories-Woods Hole Oceanographic Institute (MBL-WHOI), May 16; "TgERD2: Retrograde Traffic in the Apicomplexan parasite, *Toxoplasma*" at the Eighth International Congress on Toxoplasmosis in Tarry Town, N.Y., May 23–27; and an invited presentation on "Investigating the Identity and Role of Secretory Checkpoints within the Opportunistic Pathogen, *Toxoplasma gondii*" at the Ninth Annual German-American Beckman Frontiers of Science Symposium (GAFOS), at the Beckman Center of the National Academies of Sciences and Engineering, Irvine, Calif., June 5–7.

**Joseph Johnson**, visiting assistant professor of mathematics, contributed a paper "Statistical Mechanics of Amplifying Apparatus" to the Eighth International Wigner Symposium, Rockefeller Univ., in May.

**Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, presented "Photoinduced Charging Events in Semiconductor-Metal and Metal-Fluorophore Hybrid Nanoassemblies" at the XXI International Photochemistry Conference, Nara, Japan, July 26–30; "Nanostructures in Solar Photochemistry and Beyond" on July 21 at Kyoto Univ.; "Photoinduced Charge Separation in Organic-Inorganic Hybrid Nanostructures" on July 23 at Nagoya Univ.; "Organic-Inorganic Hybrid Nanostructures

for Light Energy Conversion" on July 24 at Saga Univ.; "Charge Distribution and Fermi-level Equilibration in Semiconductor-Metal Nanocomposites" on Aug. 1 at Osaka Prefecture Univ.; and "Osaka University: Photoinduced Charge Separation in Organic-Inorganic Hybrid Nanostructures" on Aug. 2.

**Satsuki Kawano**, assistant professor of anthropology, presented "A Cultural Analysis of Pre-Death Funerals in Contemporary Japan" at the Association for Asian Studies, 2003 annual meeting, New York, March 29; "Ancestorhood at Risk: Fewer Children to Venerate the Dead in Contemporary Japan" at the Asia-Pacific Studies Graduate School, Waseda Univ., Japan, May 26; and an invited seminar "Gateways of Power: Ritual Praxis, Nature, and the Individual in 21st-Century Japan" at the Inter-Congress of the International Union of Anthropological and Ethnological Sciences meeting in Florence, Italy, July 7.

**Ian Kuijt**, associate professor of anthropology, presented "The Taphonomy of Memory: Neolithic Heirlooms and Mythically Activated Objects" at the conference "Excavating Memories: The Archaeology of Remembering and Forgetting," Columbia Univ., New York, in April.

**Dewitt Latimer**, deputy chief information officer/chief technology officer, and assistant vice president/provost, presented "Extending Your Campus Network Using Broadband Wireless Technologies" at the Educause Southeast Regional Conference in Atlanta, Ga., June 20.

**Xiaobo Liu**, associate professor of mathematics, presented a talk in the Mirror Symmetry Seminar on "Quantum Product on Big Phase Space," May 27, and an invited talk on "Universal Equations for Gromov-Witten Invariants" at the workshop on "Symplectic Geometry and String Theory," June 4, at the Institute For Pure And Applied Mathematics in Los Angeles.

**Edward J. Maginn**, associate professor of chemical and biomolecular engineering, presented "Molecular Simulation of Ionic Liquids: Thermodynamic Properties and Phase Behavior," July 8, and chaired a session titled "Advances in Simulation Techniques" at the Foundations of Molecular Modeling a Simulation conference, Keystone, Colo., July 9.

**James J. Mason**, associate professor of aerospace and mechanical engineering, presented an invited talk "Thermal and Mechanical Issues for Minimally Invasive Implant Materials" at the Univ. of Missouri, Kansas City, School of Dentistry, Oral Biology Research Seminar Series, May 28; and copresented "Experimental Investigation of the Temperature Fields Generated During Orthogonal Machining" with K.M. Ver-naza-Peña, **Timothy C. Ovaert**, professor of aerospace and mechanical engineering, and M. Li at the NSF Workshop on Research Needs in Thermal Aspects of Material Removal Processes, Oklahoma State Univ., Stillwater, June 10-12.

**Juan Migliore**, professor of mathematics, presented "Points in Projective Space, Uniformity, and a Symbolic Algorithm" at Grand Valley State Univ. in their Research Experiences for Undergraduates (REU) program, July 17.

**Liviu I. Nicolaescu**, associate professor of mathematics, taught the minicourse "Three Dimensional Seiberg-Witten Theory" at the Fourier Institute, Grenoble, France, May 15 through June 15.

**Peter R. Moody Jr.**, professor of political science, presented "American Political Systems and Processes" at the Central Japanese Industries Association Sinto Program for Business Managers from Japan and "Political and Business Influence in American Society," Notre Dame, June 9.

**William O'Rourke**, professor of English, gave an invited reading at the Fine Arts Work Center, Provincetown, Mass., July 11.

**Teresa Godwin Phelps**, professor of law, gave a keynote address at the conference "Justice and Capabilities: Transforming Unjust Structures," at St. Edmund's College, Cambridge Univ., June 26.

**Morris Pollard**, the Coleman Professor Emeritus and director of the LOBUND Laboratory, presented "Hormone-Refractory Prostate Cancer in the Lobund-Wistar Rat," cowritten with **Mark A.**

**Suckow**, director and research associate professor in the Freimann Life Science Center, at the annual meeting of the American Association for Cancer Research, Washington, D.C., July 14; and presented an invited seminar to the staff of Entre Med. Inc. in Rockville, Md., July 15.

**Charles M. Rosenberg**, professor of art history, conducted a seminar on the "Attribution of Michelangelo's *Cupid* in New York," on July 9, and a public lecture "Leonardo da Vinci and the Creative Act," at Sacred Heart Univ., Fairfield, Conn., July 10.

**Steven Ruggiero**, associate professor of physics, presented "Dilute Al-Mn Alloys for Low-Temperature Device Applications" at the 10th International Conference on Low-Temperature Detectors, Genoa, Italy, in July; and "Dilute Al-Mn Alloys for Superconductor Device Applications" at the Jet Propulsion Laboratory, Pasadena, Calif., also in July.

**Steven Schmid**, associate professor of aerospace and mechanical engineering, presented "Advanced Simulations for Isothermal Forging: A Friction Model for Use with the Finite Element Method" and chaired the session "Simulation, Part 3" at the International Conference on Advances in Materials and Processing Technologies in Dublin, Ireland, July 8-11.

**Kay L. Stewart**, associate professional specialist and associate director of the Freimann Life Science Center, presented the poster "Color Coding System to Accommodate a Large Breeding Colony" at the AALAS Fifth District meeting, Louisville, May 7-8; and presented "Enrichment Program Development" at the 17th annual Charles Rivers Short Course, Danvers, Mass., June 16-20.

**Raimo Väyrynen**, professor of Political Science, senior fellow of the Kroc Institute, and fellow of the Nanovic Institute, presented "Globalization, Sovereignty, and Humanitarian Emergencies" at the conference "Catastrophes in the Age of Globalization" organized by The Van Leer Institute and Tel Aviv Univ. in Tel Aviv, Jan. 6-8; "The Finnish R&D System in the Context of the European Research Area" at Tartu Univ., Estonia, Jan. 31; "Force and Society: Towards a Social Theory of War" at the 44th annual conference of the International Studies Association, Portland, Oreg., Feb. 26 through Mar. 1; "Political Power, Accountability, and Global Governance" at the annual workshops of the European Consortium for Political Research, Edinburgh, Scotland, Mar. 28 through April 1; a dean's lecture on "New Models of Global Governance" at Pretoria Univ., South Africa, June 24; "Preventive Action by Military Means" at the

19th World Congress of the International Political Science Association, Durban, South Africa, June 29 through July 3; and "Can the Rift in Transatlantic Relations Be Remedied?" for the Mid-Atlantic Club, New York, June 12.

**Ursula Williams**, associate professional specialist and director of the Language Resource Center, gave the invited presentation "Technology and Faculty Development: Are We Doing it Right?" at the eighth biennial conference of the International Association for Language Learning Technology, Univ. of Michigan, in June.

**Gordon D. Wishon**, chief information officer, associate vice president, and associate provost, cochaired the discussion "IT Security Issues" at the Educause Southeast Regional Conference 2003 in Atlanta, Ga., June 19.

## Publications

**Francisco Aragón**, visiting fellow at the Institute for Latino Studies, published "Liu Minge Speaks," a poem, in *The Journal* 27, No. 1 (Summer 2003): 142–143.

**Katharina J. Blackstead**, librarian, published "University of Notre Dame Libraries," *Encyclopedia of Library and Information Science, Second Edition, Revised and Expanded*, M. Drake, ed. (New York: Marcel Dekker, 2003): 2960–2971.

**Douglas E. Bradley**, professional specialist, Snite Museum of Art, and concurrent associate professor of anthropology, published "The Goddess in the Bodega: Sexing Preclassic Figurines," *Latin American Collections*, D. Kop Jansen and E.K. de Bock, Leiden, eds. (2003).

**Bruce A. Bunker**, chair and professor of physics, published "Non-Metabolic Reduction of Cr(VI) by Bacterial Surfaces under Nutrient-Absent Conditions," written with J.B. Fein, K. Kemner, D.A. Fowle, and J. Cahill, *Geomicrobiology Journal* 19, No. 3 (2002): 369–382.

**Hsueh-Chia Chang**, the Bayer Professor of Chemical and Biomolecular Engineering, published "Knudsen Diffusivity of a Hard Sphere in a Rough Slit Pore," written with G. Arya and **Edward J. Maginn**, associate professor of chemical and biomolecular

engineering, in *Physical Review Letters* 91 (2003): 026102.

**Meredith S. Chesson**, assistant professor of anthropology, published, with **Ian Kuijt**, associate professor of anthropology, the article "Excavations at 'Ain Waida,' Jordan: New Insights into Pottery Neolithic Lifeways in the Southern Levant," *Paléorient* 28, No. 2 (2002): 111–124.

**Julia V. Douthwaite**, professor of Romance languages and literatures, director of SUN-DEF, fellow in the Nanovic Institute, and assistant provost for International Studies, published *The Wild Girl, Natural Man, and the Monster: Dangerous Experiments in the Age of Enlightenment* (Chicago: Univ. of Chicago Press, 2002) 314 pp.; "Visions du temps passé: Rousseau, Chardin, et Greeuze," in the *Annales de la Société Jean-Jacques Rousseau* 45 (2003): 427–456; a review of Louise Robbins' *Elephant Slaves and Pampered Parrots: Exotic Animals in Eighteenth-Century Paris*, in *The American Historical Review* (Feb.): 265.

**Thomas P. Fehlner**, associate chairperson and the Grace-Rupley Professor of Chemistry, published "A Systematic Approach to the Varied Roles of Transition Metals in Metallaborane Chemistry," *Proceedings of the Indian National Science Academy A* 68 (2003): 579–596.

**Agustin Fuentes**, associate professor of anthropology, published "Towards an Evolutionary Pluralism? The Need to Establish Evidentiary Standards and Avoid Reification of Assumptions," *Behavioral and Brain Sciences* 25, No. 4 (2003).

**Umesh Garg**, professor of physics, published "Compressional-Mode Giant Resonances in Deformed Nuclei," written with M. Itoh, et al., *Nuclear Many-Body and Medium Effects in Nuclear Interactions and Reactions*, K. Hatanaka, et al., eds. (Singapore: World Scientific, 2003): 41–47; and "Isoscalar Giant Dipole Resonance and Nuclear Incompressibility," written with M. Uchida, et al., *ibid.*: 48–52.

**Paul W. Huber**, professor of chemistry and biochemistry, published "Mutual Induced Fit Binding of *Xenopus* Ribosomal Protein L5 to 5 S rRNA," written with J.P. DiNitto, *Journal of Molecular Biology* 330 (2003): 979–992.

**Brenda Robb Jenike**, visiting assistant professor of anthropology, published "Parent Care and Shifting Family Obligations in Urban Japan" in *Demographic Change and the Family in Japan's Aging Society*, J.W. Traphagan and J. Knight, eds. (Albany: State Univ. of New York Press, 2003): 177–201.

**Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, published "Charge Transfer on the Nanoscale: Current Status," written with D.M. Adams, L. Brus, C.E.D. Chidsey, S. Creager, C. Creutz, C.R. Kagan, M. Lieberman, S. Lindsay, R.A. Marcus, R.M. Metzger, M.E. Michel-Beyerle, J.R. Miller, M.D. Newton, D.R. Rolison, O. Sankey, K.S. Schanze, J. Yardley, and X. Zhu, *Journal of Physical Chemistry B* 107, No. 28 (2003): 6668–6697.

**Satsuki Kawano**, assistant professor of anthropology, published "Finding Common Ground: Family, Gender, and Burial in Contemporary Japan" in *Demographic Change and the Family in Japan's Aging Society*, J.W. Traphagan and J. Knight, eds. (Albany: State Univ. of New York Press, 2003): 125–144; and a review of *The Price of Death: The Funeral Industry in Contemporary Japan* by H. Suzuki (Stanford Univ. Press, 2000), in *American Anthropologist* 105, No. 2 (2003): 471–473.

**Ian Kuijt**, associate professor of anthropology, cowrote "Dhra' Excavation Project, 2002 Interim Report," published in *Levant* (2003) 25: 1–38, with F. Finlayson, T. Arpin, **Meredith S. Chesson**, assistant professor of anthropology, S. Dennis, N. Goodale, S. Kadowaki, S. Maher, S. Smith, **Mark Schurr**, associate professor of anthropology, and J. McKay.

**Charles Kulpa Jr.**, chair and professor of biological sciences, published "Polycyclic Aromatic Hydrocarbon Degradation in Soil Surrounding an Outdoor Coal Storage Pile," written with S.Y. Dore and A.E. Laursen, *Journal of Environmental Engineering Science* 2 (May 26): 227–231.

**Scott Mainwaring**, Kellogg and Kroc Institutes fellow and the Conley Professor of Political Science, cowrote with **Rev. Timothy R. Scully**, C.S.C., executive vice president and treasurer, professor of political science, and senior fellow and director

of the Kellogg Institute, "Party Objectives in Authoritarian Regimes with Elections or Fragile Democracies: A Dual Game" (3–29), "The Diversity of Christian Democracy in Latin America" (30–63), and "The Transformation and Decline of Christian Democracy in Latin America" (364–383), published in *Christian Democracy in Latin America* (Stanford: Stanford Univ. Press, 2003). Professors Mainwaring and Scully also edited this book. Prof. Scully cowrote the introduction (3–33) to and edited *Democratic Accountability in Latin America* with **Christopher Welna**, associate director, fellow and professional specialist in the Kellogg Institute, director of the Latin American Studies Program, and concurrent assistant professor of political science (Oxford: Oxford Univ. Press, 2003).

**James J. Mason**, associate professor of aerospace and mechanical engineering, published "Effects of Pre-Cooling and Pre-Heating Procedures on Cement Polymerization and Thermal Osteonecrosis in Cemented Hip Replacements," written with C. Li and S.R. Schmid, *Medical Engineering and Physics* 25, No. 7 (2003): 559–564.

**John T. McGreevy**, chair and the O'Brien Associate Professor of History, published *Catholicism and American Freedom: A History* (W.W. Norton & Company, 2003).

**Marvin J. Miller**, chairperson and the Clark Professor of Chemistry and Biochemistry, published "An Enantioselective Synthesis of the Cyclopentene Fragment of Nucleoside Q," written with K.-H. Kim, in *Tetrahedron Letters* 44 (2003): 4571–4573.

**Rudolph M. Navari**, associate dean, College of Science, and director, Walther Cancer Research Center, published "Caring for Patients with Chemotherapy-Induced Nausea and Vomiting: A Paradigm Shift in Treatment Options" in *Scientific Conference and Abstract News* 3 (2003): 2–17; and "Pathogenesis-Based Treatment of Chemotherapy-Induced Nausea and Vomiting—Two New Agents" in *Journal of Supportive Oncology* 1, No. 2 (2003): 89–103.

**Refugio I. Rochin**, visiting fellow in the Institute for Latino Studies, published "California State University Faculty: 1985 to 2001," written with Elias S. Lopez, *California Research Bureau, California State Library Monograph*, CRB 03-006 (April): 51 pp.

**Steven Ruggiero**, associate professor of physics, published "Magneto-Optic Effects in Spin-Injection Devices," written with T. Williams, C.E. Tanner, S. Potashnik J. Moreland, and W.H. Rippard, *Applied Physics Letters* 82 (2003): 4599–4601.

**Thomas L. Schaffer**, the Short Professor of Law Emeritus, published "The Virtue of Friendship in Legal Counseling," *Pepperdine Law Review* 30, No. 4 (2003): 626–631.

**W. Robert Scheidt**, the Warren Professor of Chemistry and Biochemistry, published "NO Orientation and Tilting in (Nitrosyl)iron(II) Deuteroporphyrin IX," written with G.R.A. Wyllie, *Inorganic Chemistry* 42 (2003): 4259–4261.

**Tomohiro Shibata**, research assistant professor of physics, published "Photoinduced Transformations at Semiconductor/Metal Interfaces: XAFS Investigation of Ultra Violet Irradiated TiO<sub>2</sub>/Au Films," written with D.L. Dey, V. Subramanian, **Eduardo E. Wolf**, professor of chemical and biomolecular engineering, **Bruce A. Bunker**, chair and professor of physics, and **Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, *Journal of Applied Physics* 93 (2003): 2575–2581; and "Local Distortion of MnO<sub>6</sub> Clusters in the Metallic Phase of La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>," written with Bruce A. Bunker and J. Mitchell, *Physical Review B* 68 (2003): 024103 (10 pp.).

**Richard E. Taylor**, director of Graduate Studies and associate professor of chemistry and biochemistry, published "Biosynthetic Inspirations: Cationic Approaches to Cyclopropane Formation," written with F.C. Engelhardt and M.J. Schmitt, *Tetrahedron* 59 (2003): 5623–5634.

**J. Kerry Thomas**, the Julius A. Nieuwland Professor Emeritus of Chemistry and Biochemistry, published "Radiation Induced Processes in the Co-polymer Polyethylene-poly(Vinyl Alcohol)," written with B.H. Milosavljevic, in *Nuclear Instruments and Methods in Physics Research B* 208 (2003): 185–190; and "Effect of Charge Stabilization on Electron Transfer Reactions in Zeolites," written with G. Zhang, *Journal of Physical Chemistry B* 107 (2003): 7254–7260.

**Raimo Väyrynen**, professor of political science, senior fellow of the Kroc Institute, and fellow of the Nanovic Institute, published "Challenges to Preventive Action: The Cases of Kosovo and Macedonia" in D. Carment and A. Schnabel, eds., *Conflict Prevention. Path to Peace or Grand Illusion?* (Tokyo and New York: The United Nations University Press, 2003): 47–69; "A New Interpretation of the Kekkonen Era" in the *Yearbook of Finnish Foreign Policy* (Helsinki: Finnish Institute for International Affairs, 2003): 111–118; "Institutions and Ideas of Global Governance" in *HelsinkiConference 2002. Searching for Global Partnerships. Conference Report*, J. Iloniemi and Raimo Väyrynen, eds. (Helsinki: The Finnish Ministry for Foreign Affairs, 2003): 9–16 (56 pp. + cd); and "Violence, Sovereignty and Conflict Resolution" in W. Maley, C. Sampford, and R. Thakur, eds. *From Civil Strife to Civil Society. Civil and Military Responsibilities in Disrupted States* (New York and Tokyo: The United Nations University Press, 2003): 111–131.

**Edward Vasta**, professor emeritus of English, published his novel *Family Passions* (Philadelphia, Pa.: Xlibris Corp., 2003).

**Robert P. Vecchio**, the Schurz Professor of Management, published "Entrepreneurship and Leadership: Common Trends and Common Threads" in *Human Resources Management Review* 13 (2003): 303–327.

**Andrew J. Weigert**, professor of sociology, published "Terrorism, Identity, and Public Order: a Perspective from Goffman," *Identity* 3, No. 2 (2003): 93–113.

**Henry Weinfeld**, professor in the Program of Liberal Studies, published "My Father Was a Wandering Aramaean" (poem) in *Leviathan Quarterly* 6 (2002): 32–33.

**Eduardo E. Wolf**, professor of chemical and biomolecular engineering, published "Green Emission to Probe Photoinduced Charging Events in ZnO - Au Nanoparticles: Charge Distribution and Fermi-Level Equilibration," written with V. Subramanian and **Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, *Journal of Physical Chemistry B* 107, No. 30 (2003): 7479–7485.

**Samir Younés**, associate professor of architecture and director of Rome Studies, edited with E. Mazzola a book titled *Como*,



*La modernità della tradizione, the Modernity of Tradition* (Roma, Italia: Gangemi, 2003) and published an essay titled "Constructing Architectural Theory, Part I" in *American Arts Quarterly* 20, No. 2 (Spring 2003): 43-53.

## Administrators' Notes

### Activities

**Doug Marsh**, University architect, copresented "Building Campus Identity through Integrated Athletics Facilities Planning" at the SCUP-38 - Society for College and University Planning, Miami Beach, Fla., July 21, and "It's All Perception—Impact of Architectural Style on Today's Campuses," July 22.

### Publications

**Alan S. Bigger**, director of Building Services, published "Lessons from a Pedometer: Steps Along the Pathways of Life," written with L. Bigger, *Executive Housekeeping Today* 24, No. 8 (2003): 6-8.

## Documentation

### President's Address Set for October 2

Father Malloy's annual Address to the Faculty will take place on Thursday, October 2, at 4:30 p.m. in Room 101 DeBartolo. A reception will follow the address.

### Faculty Honors

#### 25 YEARS OF SERVICE

**TERRENCE J. AKAI**  
Mathematics

**ROBERT L. AMICO**  
Architecture

**STEPHEN M. BATILL**  
Aerospace and Mechanical Engineering

**FRED R. DALLMAYR**  
Political Science

**KENNETH J. DEBOER**  
First Year of Studies

**BARRY P. KEATING**  
Finance

**THOMAS H. KOSEL**  
Electrical Engineering

**ROBERT A. KRIEG**  
Theology

**A. EUGENE LIVINGSTON**  
Physics

**W. TIMOTHY MCNEILL**  
First Year of Studies

**REV. JOHN A. MELLOH, S.M.**  
Theology

**ALVEN M. NEIMAN**  
College of Arts and Letters

**REV. GEORGE A. ROZUM, C.S.C.**  
Rector, Alumni Hall

**WENDY C. SCHLERETH**  
Archives

**JOHN E. SMITHBURN**  
Law

**STEPHEN B. SPIRO**  
Snite Museum of Art

**GORAKH NATH RAM TRIPATHI**  
Radiation Laboratory

**LORENZO A. ZEUGNER JR.**  
University Libraries

#### TO EMERITA OR EMERITUS

**REV. ERNEST E. BARTELL, C.S.C.**  
Economics

**WILLIAM B. BERRY**  
Electrical Engineering

**URSZULA I. BINDLEY**  
Physics

**ALAN HOWARD**  
Mathematics

**ROBERT L. IRVINE**  
Civil Engineering and Geological Sciences

**REV. JAMES J. MCGRATH, C.S.C.**  
Biological Sciences

**W. TIMOTHY MCNEILL**  
First Year of Studies

**NAOMI M. MEARA**  
Psychology

**WILLIAM D. SHEPHARD**  
Physics

**JAMES I. TAYLOR**  
Civil Engineering and Geological Sciences

**JAMES H. WALTON**  
English

#### TO ASSOCIATE PROFESSIONAL SPECIALIST

**MATTHEW F. BENEDICT**  
English

**MARIE-CHRISTINE ESCODA-RISTO**  
Romance Languages and Literatures

**LAURA G. HOLT**  
Undergraduate Studies in London

ISABEL JAKAB  
Romance Languages and Literatures

ALICIA J. KNOEDLER  
Institute for Scholarship in the Liberal Arts

KRISTIN M. LEWIS  
Biological Sciences

PATRICK I. MARTIN  
Romance Languages and Literatures

PAUL R. MCDOWELL  
Romance Languages and Literatures

DOROTHY O. PRATT  
College of Arts and Letters

#### *TO ASSOCIATE LIBRARIAN*

DAVID T. JENKINS  
University Libraries

JONI E. KANZLER  
University Libraries

#### *TO LIBRARIAN*

LAURA A. BAYARD  
University Libraries

#### *TO RESEARCH PROFESSOR*

LARRY O. LAMM  
Physics

#### *TO ASSOCIATE PROFESSOR AND TENURE*

ASMA AFSARUDDIN  
Classics

KATE A. BALDWIN  
English

STEVEN M. BOKER  
Psychology

SARVANAN DEVARAJ  
Management

ROBERT F. EASLEY  
Management

PATRICK J. FAY  
Electrical Engineering

PAUL W. FRANKS  
Philosophy

PETER M. GARNAVICH  
Physics

YAHYA C. KURAMA  
Civil Engineering and Geological Sciences

SEMION LYANDRES  
History

PETER T. McQUILLAN  
Classics

ELIZABETH S. MOORE  
Marketing

MICHAEL J. WENGER  
Psychology

#### *TO TENURE: ASSOCIATE PROFESSOR*

PAOLO G. CAROZZA  
Law

IAN KUIJT  
Anthropology

PALOMA PAJARES  
Architecture

JULIANNE C. TURNER  
Program of Liberal Studies, assigned to Institute for Educational Initiatives

#### *TO ASSISTANT PROFESSOR*

STEVEN A. TOMASULA  
English

#### *TO PROFESSOR*

CINDY S. BERGEMAN  
Psychology

PETER C. BURNS  
Civil Engineering and Geological Sciences

JEREMY B. FEIN  
Civil Engineering and Geological Sciences

QING HAN  
Mathematics

CATHERINE HILKERT, O.P.  
Theology

PAUL W. HUBER  
Chemistry and Biochemistry

KRISTINE L. IBSEN  
Romance Languages and Literatures

ANITA E. KELLY  
Psychology

THERESA M. KRIER  
English

TIMOTHY J. LOUGHRAN  
Finance

PATRICIA A. MAURICE  
Civil Engineering and Geological Sciences

RICHARD R. MENDENHALL  
Finance

BENJAMIN RADCLIFF  
Political Science

KATHERINE TILLMAN  
Program of Liberal Studies

HENRY M. WEINFELD  
Program of Liberal Studies

KRZYSZTOF ZIAREK  
English

#### *TO DEPARTMENT CHAIR*

ANI APRAHAMIAN  
Chair of Physics

CINDY S. BERGEMAN  
Chair of Psychology

PETER C. BURNS  
Chair of Civil Engineering and Geological Sciences

DENNIS DOORDAN  
Chair of Art, Art History, and Design

STEPHEN A. FREDMAN  
Chair of English

PETER D. HOLLAND  
Chair of Film, Television, and Theatre

MARVIN J. MILLER  
Chair of Chemistry and Biochemistry

DANIEL J. MYERS  
Chair of Sociology

#### *TO ENDOWED PROFESSOR*

JOAN F. BRENNECKE  
The Keating-Crawford Professor of Chemical Engineering

ALFRED J. FREDDOSO  
The John and Jean Oesterle Professor of Thomistic Studies, Philosophy

CRAIG S. LENT  
The Frank M. Freimann Professor of Engineering, Electrical Engineering

CYRIL J. O'REGAN  
The Catherine F. Huisling Professor of Theology



JOACHIM J. ROSENTHAL  
The Notre Dame Professor of Applied  
Mathematics

#### TO ASSOCIATE DEAN

EDWARD J. CONLON  
Associate Dean of Graduate Studies,  
Mendoza College of Business

WILLIAM D. NICHOLS  
Associate Dean of Mendoza College of  
Business

JOSEPH E. O'TOUSA  
Associate Dean of College of Science

HUGH R. PAGE  
Associate Dean of Undergraduate Studies,  
College of Arts and Letters

JOHN H. ROBINSON  
Associate Dean of Law School

STEPHEN E. SILLIMAN  
Associate Dean of College of Engineering

MITCHELL R. WAYNE  
Associate Dean of College of Science

#### TO DIRECTOR

THOMAS C. CORKE  
Hessert Laboratory

JEREMY B. FEIN  
Environmental Molecular Science Institute

ALEXANDER J. HAHN  
John A. Kaneb Center for Teaching and  
Learning

PATRICIA A. MAURICE  
Center for Environmental Science and  
Technology

REV. ROBERT E. SULLIVAN  
Erasmus Institute

#### TO DEAN EMERITA/EMERITUS

ANTHONY N. MICHEL  
Electrical Engineering

## Faculty Awards

### 2003 THOMAS P. MADDEN AWARD

This year's Madden Award winner brings to the first-year classroom an evergreen passion for an age-old subject. For more than two decades this College of Science faculty member has presented with clarity one of Newton's primary works, but this teacher enlightens our students not with gravity, but with excitement.

Students enumerate his strengths as follows:

"His enthusiasm has maximum value."

"He is available to us continuously."

"In this class I'm more than a number."

High praise indeed for a mathematician. Through patience and care, this Hong Kong native guides his students to achieve to the limit of their abilities in their understanding of The Calculus in all its richness and their appreciation of The Calculus for its place in the intellectual history of humankind. He is a taskmaster, but his students love him for the lessons he teaches about both the beauty and power of mathematics and the value of discipline and hard work.

The 2003 Thomas P. Madden Award is presented to

PIT-MANN WONG

### 2003 REV. PAUL J. FOIK, C.S.C., AWARD

Rev. Paul J. Foik, C.S.C., wrote of wanting "a galaxy of enthusiasts" to help make the library at Notre Dame the leading Catholic university library in the country. This year's Foik Award recipient has a "galaxy of enthusiasts" among her colleagues in the library and, indeed, campus-wide. Her leadership of the library's largest division for over 11 years has led to a range of outstanding services and departments, notably the popular document delivery service for arts and letters faculty, training and development opportunities for library faculty and staff, and continuous efforts to improve the reward system for all employees. A generous colleague, she routinely shares her extensive national experiences and innovative insights at local and regional levels, as well as accepting very challenging University and library service responsibilities. Throughout, she has kept the professional commitment to service paramount. As evidenced by the many external presentations, local and regional programs, and her widely regarded book on the topic, her commitment to service is truly remarkable. Tonight we honor

JOANNE M. BESSLER

### 2003 RESEARCH ACHIEVEMENT AWARD

Joining the Notre Dame faculty in 1984, the recipient of the 2003 Notre Dame Research Achievement Award has established a superb record of research and scholarship through her outstanding and lasting contributions to the field of sociology. Throughout her career she has studied the organization of students and the effects of school characteristics on student achievement. Focusing on students at risk for school failure, her current research seeks to identify, analyze, and publish the best practices adopted by educators to promote student learning and social development. A past president of both the American Sociological Association and the Sociological Research Association, she was recently appointed director of the Center for Research on Educational Opportunity at Notre Dame.

A distinguished scholar in the sociology of education, we honor

MAUREEN T. HALLINAN

### 2003 REV. WILLIAM A. TOOHEY, C.S.C., AWARD FOR PREACHING

The William A. Toohey Award for Preaching is given this year to a relatively new member of our Notre Dame community but a priest who is well known in the South Bend area. His homilies have been consistently moving, challenging, and articulate from the time he set foot on campus and for his parishioners during the previous six years. It is clear that many people look forward to hearing from him because his preaching is so stirring, whether in the Basilica of the Sacred Heart or a residence hall. Indeed, because of the content of his homilies and his preaching style, he has quickly garnered an eager congregation who look forward to hearing from him each week. His homilies not only contain insight into the gospel and a wisdom born of the spirit, but he also includes elements of social justice requirements which bring forth concrete images and messages that help relate the gospel to our everyday lives. The recipient of the William A. Toohey Preaching Award this year is the rector of Keough Hall and the associate director of Campus Ministry

REV. PETER A. JARRET, C.S.C.

### 2003 GRENVILLE CLARK AWARD

This year's recipient of the Grenville Clark Award started his volunteer career while a student at Notre Dame, becoming involved with South Bend's Logan Center. He was a faithful participant with the center's Saturday Recreation program and even met his wife there, another student volunteer. He volunteered at Camp Millhouse in the summers, growing attached to those with Down's syndrome and other developmental disabilities.

Having become an attorney and a staff member of Notre Dame's Planned Giving office, he now serves on the Logan Center Protective Services board, advocating for developmentally disabled adults who are in danger of abuse or neglect. He also serves as an advocate for adults with severe disabilities, encouraging their transition from nursing homes into community residences. At home, he and his wife have opened their doors to Notre Dame students engaged in community service projects by housing summer service project participants. For his many activities in the local community, and particularly for his support of those who have no voice, we honor

KENNETH J. HENDRICKS

### 2003 REV. JAMES A. BURNS, C.S.C., GRADUATE SCHOOL AWARD

This distinguished faculty member is noted not only for her outstanding research but also for her stellar mentoring of graduate students—29 in total, including 18 who have completed or begun doctoral dissertations. Colleagues and students alike marvel at her ability to adjust her advising to the individual needs of a variety of talents and personalities.

Her students routinely publish in top journals, but she insists that if students are well educated first, publications and recognition will follow. Her own research productivity remains at the highest level.

The chairman of Princeton's Department of Chemical Engineering writes that she "is not only good. She is the best experimental thermodynamicist in her age group." Her list of invited lectures includes the prestigious Vaughn Lectureship at Caltech, and she is a recipient of the Ipatieff Prize, a highly competitive American Chemical Society award given only once every three years. She currently is working with other environmental researchers on campus in an interdisciplinary program that supports eight students working across the colleges of science and engineering—further testimony to her dedication to graduate education. In recognition of the multiple outstanding contributions of this educator and scholar, tonight we honor

JOAN F. BRENNECKE

### 2003 REV. JOHN "POP" FARLEY, C.S.C., AWARD

This year's recipient of the "Pop" Farley Award came to Notre Dame in 1997 with expertise in international student advising, an extensive knowledge of foreign educational systems, and a deep dedication to student service. In her role as director of International Student Services and Activities, she has worked tirelessly to integrate international students into all aspects of University life. She serves as a gracious ambassador for the Notre Dame community as she corresponds with students before their arrival on campus, assists in orienting them to the University, and offers advice and counsel on a wide range of topics. Her enthusiasm and commitment to a global learning environment are contagious, and her contributions to the internationalization of Notre Dame are incalculable. Therefore, in the spirit of the Rev. John Francis Farley, C.S.C., we honor

MAUREEN A. FITZGIBBON

### 2003 REINHOLD NIEBUHR AWARD

The 2003 Reinhold Niebuhr Award goes to a dedicated and enthusiastic teacher. This critical and creative scholar is also a prolific writer who labors in numerous social justice areas: human rights, international politics, citizen education, war and peace studies, the settlement of conflicts, humanitarian assistance, and policy advocacy at the highest reaches of government and international agencies. Colleagues respect and admire him. His students are inspired by him. The single thread that runs from his classroom activities to his spirited public speaking and his policy advocacy on behalf of peace and justice explains why, in his personal life, he finds time for volunteering in his parish, opening his home to the Youth in Crisis Program and to immigrant families fleeing atrocities in their homeland, and coaching youth soccer teams. The University of Notre Dame is proud to honor

GEORGE A. LOPEZ

### 2003 REV. WILLIAM A. TOOHEY, C.S.C., AWARD FOR SOCIAL JUSTICE

The William A. Toohey Award for Social Justice goes this year to a person who is well known to many people across campus from every ethnic and racial background. While her main responsibilities are administrative in nature, she has taken up many other duties because of her generosity, zeal, and good will. She has worked tirelessly in bringing together Asian-American students at the University of Notre Dame, organizing activities and conferences for them and for their friends and colleagues beyond the Notre Dame campus. She has consistently been a contributing and important member to the committee which annually prepares and sponsors the Dr. Martin Luther King Jr. annual celebrations. She has worked with the "Learning to Talk about Race" retreat not only for student leaders on our own campus, but she has also worked on a version of that retreat for students of high school age in our community. This year's recipient of the William A. Toohey, C.S.C., Award for Social Justice is

PRISCILLA W. WONG

### 2003 FACULTY AWARD

In the course of a remarkable career spanning 33 years at Notre Dame, our honoree has successfully combined the roles of scientist, teacher, and dean. As dean of the College of Science, he enriched its departments with the appointment of outstanding faculty members and provided them with the resources necessary for fruitful and productive careers as scientists and educators. He continues to direct his own internationally recognized research program in thrombosis and hemostasis, maintaining a state-of-the-art laboratory for students and doctoral researchers. He is held in high regard for his dedication to family, friends, students, and peers, and for his service to the University. In recognition of his remarkable career and extensive contributions to the University we honor

FRANCIS J. CASTELLINO

### 2003 PRESIDENTIAL AWARD

A nationally recognized authority on undergraduate preparation for law school, this outstanding scholar, teacher, and administrator is considered by her peers to be the institutional memory of the College of Arts and Letters. During her 18 years at Notre Dame, she has served admirably as an instructor in film, television, and theatre and in Core, director of Gender Studies, faculty advisor to the Mock Trial Association, University ombudsperson, co-secretary of the Faculty Senate, and member of several councils and committees. As assistant dean and associate director for Undergraduate Studies, she has been known for her work ethic and willingness to "go the extra mile" in creating a congenial environment for staff and in meeting student needs. Our common life has been graced in countless ways by her integrity, courage, and warm sense of humor. For this we honor

AVA PREACHER

### 2003 PRESIDENTIAL AWARD

Our honoree has devoted his career to academic excellence both as a faculty member and as an administrator. A Notre Dame undergraduate, he returned to campus in 1981 as dean of the College of Business, serving until 1986. As dean he worked tirelessly to improve the reputation of the MBA Program, launching a high-profile Executive MBA Program and attracting several of our first group of endowed professors to the college. Upon his return to the faculty, he devoted that same energy toward improving the reputation of the finance department through enhancing the professional qualifications of our undergraduate and graduate students. Today, due in great part to his efforts, the MBA Program is now ranked as one of the top 30 programs in the U.S., and the finance department is recognized among the best research departments in the country. We honor

FRANK K. REILLY

### 2003 PRESIDENTIAL AWARD

A member of the electrical engineering department faculty for 21 years, this Princeton tiger has excelled in teaching, research, service, and administration. For the past five years, he has served with distinction as department chair. Under his leadership, the department has undertaken an extensive curriculum revision, adapting it to the ever-changing environment of modern technological advances. He has also tirelessly promoted new research initiatives, leading to a doubling in the level of external funding and a more than 50 percent increase in graduate students. Most importantly, his friendly and persuasive leadership style has resulted in extremely high departmental morale. For all these reasons, we honor

YIH-FANG HUANG

### 2003 PRESIDENTIAL AWARD

This honoree has been a highly visible and successful Notre Dame faculty member for nearly 15 years and has developed an internationally recognized research program in nuclear structure physics. She is a member of the research advisory committees for most of the U.S. national laboratories and is widely recognized for her combined social and intellectual engagement with scientific leadership. In addition to her research, she is a spokesperson for women in physics and the role of women in science. She has served on numerous University committees and is a mentor and supporter for minority and women students on campus as well as in the wider physics community. Her leadership will continue in a new capacity, as the incoming chair of the Physics Department. We honor

ANI APRAHAMIAN

### 2003 PRESIDENTIAL AWARD

Since her arrival at the University in 1992, this scholar has excelled in teaching, research, and service. She is engaged in productive interdisciplinary work and has unusual geographical and methodological breadth. Her ability to secure external funding and to involve undergraduate students in her research is amazing, as is her teaching learner-centered strategies that allow students to develop as researchers. Her tremendous social and intellectual vitality, her warmth of character, her sense of humor, and her enthusiasm for anthropology are greatly appreciated by all who work and study with her. Her anthropology colleagues remain ever grateful for her many contributions which enrich Notre Dame students and faculty colleagues alike. Tonight we honor

**SUSAN GUISE SHERIDAN**

### 2003 PRESIDENTIAL AWARD

In less than 10 years this honoree has established the Keough Institute for Irish Studies as the premier Irish Studies program in the United States and a flagship for Irish Studies worldwide. He was already an accomplished Locke scholar, an expert on Jonathan Swift, and a pioneer in the interdisciplinary field of science and literature, but he gave a new breadth of vision and vitality to arts and letters at Notre Dame by serving as chair of the English department, director of the Institute for Scholarship and the Liberal Arts, acting dean of the College of Arts and Letters, and now director of the Keough Institute. His efforts have enriched the library's collections, making resources available for the highest standards of scholarship. By virtue of his strategic vision, indefatigable energies, and inspirational leadership, he has put the Irish, quite literally, back into Notre Dame. For this, we honor

**CHRISTOPHER B. FOX**

### 2003 PRESIDENTIAL AWARD

This distinguished librarian came to Notre Dame in 1995 and, through his initiatives in Southern Cone Literature and the Caribbean, moved selected areas of the library's Latin American collections closer to being collections of excellence. Regularly consulted by faculty, fellows, and students for his knowledge of library resources at research libraries, he partners with them on a variety of projects. His distinguished and lengthy leadership in the Seminar on the Acquisition of Latin American Library Materials and the Latin American Microform Project of the Center for Research Libraries has greatly enhanced their respective programs, to the benefit of scholars in all corners of the globe. Within the library, this honoree is widely respected for his leadership of the collection development committee and the collection development department, as well as his sustained participation in library activities beyond those of his department. Tonight we honor

**SCOTT J. VANJACOB**

### Faculty Board on Athletics

April 10, 2003

**Members Present:** Prof. Fernand Dutile (chair); Prof. Matthew Barrett; Prof. Harvey Bender; Prof. William Berry; Ms. Emily Bienko; Prof. John Borkowski; Dr. Matthew Cullinan; Prof. Stephen Fallon; Mr. Patrick Holmes; (Rev.) Mark Poorman, C.S.C.; Prof. Donald Pope-Davis; Prof. Katherine Spiess; Dr. Kevin White.

**Members Absent:** Prof. Umesh Garg; Prof. John Weber.

**Observers Present:** Ms. Sandy Barbour, Mr. Bernard Muir, and Mr. William Scholl (all of the Department of Athletics); Ms. Diane Wilson (recorder).

**1. Call to order and prayer:** The chair called the meeting to order at 5:10 p.m. Father Poorman led the group in prayer.

**2. Minutes of previous meeting:** A motion to approve the minutes of the meeting of March 18, 2003, was made by Father Poorman; Prof. Barrett seconded. The Board voted unanimously to approve the minutes.

**3. Announcements:** The chair introduced and thanked Ms. Diane Wilson, assistant dean of the Graduate School, who generously agreed to serve as recorder for this meeting. On behalf of the Board, the chair congratulated Mr. Holmes on being appointed permanent director of the Office of Academic Services for Student-Athletes. A hearty round of applause ensued.

The chair announced an amendment to the spring 2003 schedule for men's lacrosse. Thursday, March 20, has been added as an excused-absence day. That schedule remains within University guidelines.

The chair announced an amendment to the spring 2003 schedule for men's and women's outdoor track. Friday, March 21, and Friday, April 11, become additional excused-absence days. The chair noted that although the team now lists four days in the Monday-Wednesday-Friday sequence as excused-absence days, no individual student-athlete will miss more than three.

In women's lacrosse for spring 2003, Thursday, April 10, becomes a full excused-absence day rather than a half. The schedule remains within University guidelines.

The women's soccer schedule for fall 2003 has added a half-day excused absence on September 10. That schedule also remains within University guidelines.

For the record, the chair noted that the Board, in three separate e-mail votes relating to softball, had 1) approved games on April 9 (Pittsburgh) and April 21 (Virginia Tech), with April 9 constituting an additional excused-absence day (these games replaced earlier weather-postponed competition); 2) denied a request for an additional game during study days of the spring 2003 semester; and 3) approved the substitution of a double-header against Providence on April 15 for previously scheduled competition against the University of Nebraska (due to travel complications, this substitution will require two student-athletes to miss one-half of a class on April 16).

The chair announced that he had approved, on the Board's behalf, the following team captains for the academic year 2003-04: Aaron Gill (hockey); Josh Dermott and Matt Obringer (men's swimming); and Luis Haddock, Matthew Scott, and Brent D'Amico (men's tennis).

Finally, the chair noted that two items appearing on the agenda would not require discussion. The proposed schedule adjustment for women's soccer did not, as it turns out, require a waiver of the University's guidelines. The second item, the proposed captains for women's soccer, has become moot in light of the head coach's amended proposal.

**4. Baseball schedule and study days revisited:** Mr. Scholl, administrator for the baseball team, brought to the Board a proposal regarding the last week before examinations. Earlier, the Board had asked the team to reduce its number of games from five to four during that week. Under that arrangement, the team would play one weekday game against Michigan, the annual fund raiser, and three weekend games against a Big East opponent. The annual "bye" weekend occurs earlier in the season. Under the proposal brought to the Board, the Big East would assign the study-day weekend as the "bye" weekend most years; an exception would arise every four or five years when Pittsburgh travels to South Bend since, at the time of Notre Dame's study days, Pittsburgh's semester

has already ended. Under the proposal, the baseball team would play four single games that week: two during the week, on Tuesday and Wednesday, and two on the weekend. The proposal would allow Notre Dame to schedule high-profile non-conference teams that week, teams that would refuse to play here much earlier in the season. Moreover, beyond the advantage of single games over double-headers, we would always play at home. Mr. Scholl recognized the concern the proposal might engender: setting a precedent for non-conference games on study days. Prof. Barrett, concurring, noted that the University guidelines provide for "limited" competition during study days. If we grant this request for baseball—thus granting a permanent, not a one-time, exemption—what do we tell other sports should they make similar requests? Mr. Scholl: Maybe it would be good to consider those proposals that actually reduce the number of games played during study days. Prof. Barrett suggested that exemptions for Big East games made sense since that scheduling fell beyond University control. Prof. Borkowski warned against making too much of the proposed reduction; most of us, he said, are unhappy even with the reduced number. What is the difference in time and energy levels expended by the student-athletes? Mr. Scholl: Practices that week are voluntary; games are less voluntary, though student-athletes have opted out of those as well. The energy question is a difficult one. A double-header starts at noon and ends at 6:00 p.m. A single game will run from 1:00 p.m. to 3:30 p.m. But four single games will spread the time more evenly over the week. Prof. Fallon asked about the downside of not playing games during that week; would this affect our prospects with regard to the NCAA tournament? Mr. Scholl: We would then have to find room for those games earlier in the season, thus creating a need for three midweek games that would have a still more serious impact on the academic enterprise. Ms. Barbour added that dropping four games could indeed make a difference with regard to the tournament; winning forty games, for example, has a certain magic in terms of tournament selection. Prof. Borkowski suggested that a game on Tuesday of the week before exams might be more detrimental than games on study days; many courses have major papers due

on their last day of class—Tuesday and Wednesday of that week. Father Poorman remarked on the difficulty of generalizing about when papers are due; but four games during one week sound like a lot. Mr. Scholl: That's the rhythm of baseball; once the season starts, the team plays a lot more than it practices. Players are used to that rhythm. Moreover, we are reducing our games from five to four. The chair expressed concern that the study-day games have been justified on the basis of conference demands; now we are discussing removing that urgency through the allocation of a "bye" week, yet seeking to replace those games with non-conference games. Doesn't the urgency justifying games during study days thus disappear? Ms. Barbour stressed the practical point of reducing demands on student-athletes during that week; the team would play four single games and would always be at home. Mr. Scholl added that a total lack of competition during that weekend would greatly disadvantage our team as it entered the Big East tournament the following week. Prof. Pope-Davis requested the team's typical schedule the weekend before study-day week. That weekend, Mr. Scholl responded, would typically involve three games, a double-header on Saturday and a single game on Sunday. Father Poorman, acknowledging that the guarantee of home competition offset other disadvantages, still wondered whether, in terms of precedent, we might not be better off staying with conference games. Dr. White, emphasizing that decisions such as this lie at the core of what the Board does, underscored that the department of athletics is trying to act responsibly here. We have to schedule fifty-six games a season, and the student-athletes want to play a full schedule. We already have to "back load" the baseball schedule because of the climate in northern Indiana. Moreover, in terms of responsibility with regard to academic impact, baseball's coaches and players reflect a strong record. If other requests came from other programs, it would be important to look at their academic records. Of course, if any individual student-athletes need to miss games or practices for academic reasons, they may certainly do that. Since weather often prevents teams from playing scheduled games, Prof. Barrett asked, could the NCAA possibly be induced to

base tournament invitations on the *percentage* of games won instead of the *number* of games won? Mr. Scholl responded that the decision makers include a heavy representation of warm-climate teams that have no interest in helping teams like Notre Dame. Some southern teams have played thirty games before we play our first. Prof. Fallon stressed that the proposal meets the spirit of the Board's objectives, if not the letter; we don't want to make things more difficult for our student-athletes. Mr. Scholl then suggested scheduling this proposal for one rotation instead of making it permanent. In that way, the Board could reconsider the arrangement after four years. Father Poorman: Although I don't like the proposal from a theoretical perspective, the clear rationale of accepting it remains the reduction of athletics loads on student-athletes during the last several class days of the semester and during the study days. That must be our response should other teams make similar proposals. Prof. Barrett included within that rationale the home-play guarantee. Father Poorman moved, with Prof. Berry seconding, that the proposal be approved. Prof. Barrett summarized the three important points of the proposal: 1) a four-year pilot program; 2) a reduction in the number of games during study days; and 3) all home games. The proposal passed unanimously.

**5. The Byron V. Kanaley Awards:** The chair presented the following background: The Byron V. Kanaley Award is bestowed on senior monogram winners who are exemplary as students, as athletes, and as leaders. The subcommittee on academic integrity had met, discussed the nominations at length, and brought to the full Board three candidates. In an e-mail vote, a majority of the Board had favored these candidates. Nonetheless, Prof. Barrett had notified the subcommittee and the chair of the Board that he intended to propose a fourth winner. [For reasons of confidentiality, these public minutes omit the identity of this fourth candidate and all discussion related directly to that candidate]. Prof. Bender, chair of the subcommittee on academic integrity, stressed the quality of all nominees; choosing among them presented a challenge. We looked at the award guidelines very seriously. Why stop at three when we could easily have added several others?

The answer: We did not want to dilute the award. Also, he added, due to grade inflation, grade-point averages can look much better than they really are. Nonetheless, the subcommittee will gladly accept whatever the Board wants to do. Prof. Berry worried that the subcommittee's decisions reflected grade-point average rather than leadership; for him that presented a problem. Prof. Bender: No, GPA did not constitute the sole criterion. We looked at all three areas, scholarship, athletic achievement, and leadership. Prof. Borkowski reminded the Board that it had on previous occasions named four Kanaley winners; a strong case has been made for adding a fourth winner this year. The motion to add a fourth Byron V. Kanaley award recipient for the 2002-03 academic year passed, with two members abstaining. [The four Byron V. Kanaley Award recipients for 2003-04, in alphabetical order: Keara Coughlin (volleyball); Ashley Dryer (women's soccer); Andreas Forstner (men's soccer); and Alexis Madrid (softball)].

**6. Fifth year of eligibility:** Mr. Holmes brought to the Board the petition of Monique Hernandez, a basketball player, for a fifth year of eligibility. [For reasons of confidentiality, the Board's public minutes omit discussions related to individual petitions.] Prof. Borkowski moved that the petition of Monique Hernandez for a fifth year of eligibility be granted. Prof. Bender seconded the motion, which carried unanimously.

**7. Missed class in connection with tournament appearance:** The chair raised with the Board his concern with regard to the timing of teams' departures for tournament appearances. Two such departures in particular punctuated the issue. Two years ago, for the Big East men's basketball tournament, Notre Dame, due to its good record, had earned a "bye." As a result, its first game was set for the Thursday night of tournament week. Nonetheless, the Big East banquet was scheduled for Tuesday night of that week, causing the team to schedule a Monday departure. This arrangement had the team slated to leave South Bend more than three days before its first tip-off. (As a result of a snowstorm, the team in fact did not leave until Tuesday). This year, in connection with its appearance in the NCAA "Sweet Sixteen," the team arranged for

excused class absences from noon Tuesday, despite not being scheduled to play until Thursday evening. Indeed, the team's charter flight was not scheduled to leave South Bend until 4:00 p.m. on Tuesday. The team sought class-miss excusal from noon on in order to hold an on-campus practice prior to departure. The chair thought it highly problematic that student-athletes attended a basketball practice on campus instead of scheduled classes. The chair recognized that the University stands committed to excellence both in academics and in athletics. Nonetheless, he thought it difficult to justify class misses for on-campus practice sessions. In response, Mr. Muir pointed out that tournament regulations required Notre Dame to be present in California on Wednesday for both a press conference and an open practice session. This of course required the team to leave on Tuesday. Moreover, the practice session in California, open as it is to the public, allows no serious preparation for the particular opponent. Also, the University had little flexibility in scheduling the charter flight, since the NCAA uses only one travel agency for all teams and for all games. Agreeing, Dr. White emphasized the difficulty of scheduling so many teams to fly on a small number of charters. Indeed, our associate athletics director, Jim Phillips, was "up all night" making arrangements. In response to Prof. Barrett's question, Mr. Holmes stated that on Tuesdays no basketball player has a class extending beyond 1:45 p.m. Coach Brey, very sensitive to class attendance, told the six players affected to meet with the professor at the beginning of class to explain the situation and to make arrangements for making up any missed work. This was especially important since, as the post-season developed, these student-athletes missed three consecutive Tuesday-Thursday classes. Prof. Barrett: With regard to the big picture, shouldn't first-round games be played on Saturday and Sunday, with second-round games on Monday and Tuesday? This would allow one-half of all student-athletes competing (because half will lose during those first two days) to be home Sunday night, with virtually no class time missed. Mr. Muir answered that the billions of dollars paid by CBS drives the scheduling; CBS wants prime-time slots. Mr. White added that prime-time television not only provides additional financial



resources, but also gives visibility to many teams that don't ordinarily get it. The chair found it troubling that CBS exerted such control over class attendance; perhaps the only thing we can do is work on conferences to minimize missed classes. Father Poorman: Couldn't head coaches in these situations at least send a memo to the chair of the Faculty Board setting out both the schedule and the rationale for it? Dr. White: That's fair; we'll make that happen.

**8. Subcommittee reports:** Prof. Barrett, on behalf of the subcommittee on student welfare, reported that Dr. Eileen Kolman, dean of the First Year of Studies, reacted very positively to the Board's resolution of the Orientation-weekend issue. She understands that exceptions might be needed from time to time. Prof. Barrett plans to invite Mr. Kevin Rooney, academic advisor in the First Year of Studies, to meet with the subcommittee in connection with other issues related to Orientation and, as well, in connection with academic advising for first-year student-athletes. Other matters raised by the subcommittee at the beginning of this academic year, including the multi-cultural experience and the residence-hall life of student-athletes, cannot be dealt with until next year. Prof. Bender, for the subcommittee on academic integrity, informed the Board that the subcommittee continues its work on improving the process for petitioning for a fifth year of eligibility. Providing for significant academic advising with regard to a fifth year of eligibility seems crucial. The subcommittee seeks to implement this goal without significantly encumbering the process.

**9. New Business:** Prof. Borkowski raised what he called a "sensitive but important" issue. A faculty member had called him to report that still another faculty member had alleged that a coach had advised a student-athlete to abandon a particular major because of its rigor. The coach dissuaded this student-athlete from that major, the account continued, because of the prospect of missed practice time. Of course, Prof. Borkowski acknowledged, this "dissuading" might reflect the student's perception more than a direct statement of the coach. Nonetheless, Prof. Borkowski stressed, head coaches should encourage students to pursue difficult majors, not

discourage them from so doing. Dr. White responded that this information, if true, struck him as very troubling. Of course, we cannot pursue it without more specific information. Prof. Borkowski replied that the student-athlete involved cannot be identified until after he graduates.

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

## 2003-2004 Publication Schedule for *Notre Dame* *Report* Vol. 33

No. 1

Deadline: Wednesday, Aug. 13  
Publication Date: Friday, Aug. 29

No. 2

Deadline: Wednesday, Aug. 27  
Publication Date: Friday, Sept. 12

No. 3

Deadline: Wednesday, Sept. 10  
Publication Date: Friday, Sept. 26

No. 4

Publication Date: Friday, Oct. 17

No. 5

Deadline: Wednesday, Oct. 15  
Publication Date: Friday, Oct. 31

No. 6

Deadline: Wednesday, Oct. 29  
Publication Date: Friday, Nov. 14

No. 7

Deadline: Wednesday, Nov. 12  
Publication Date: Friday, Nov. 28

No. 8

Deadline: Wednesday, Nov. 26  
Publication Date: Friday, Dec. 12

No. 9

Deadline: Wednesday, Jan. 7, 2004  
Publication Date: Friday, Jan. 23

No. 10

Deadline: Wednesday, Jan. 21  
Publication Date: Friday, Feb. 6

No. 11

Deadline: Wednesday, Feb. 4  
Publication Date: Friday, Feb. 20

No. 12

Deadline: Wednesday, Feb. 18  
Publication Date: Friday, March 5

No. 13

Deadline: Wednesday, March 3  
Publication Date: Friday, March 19

No. 14

Deadline: Wednesday, March 17  
Publication Date: Friday, April 2

No. 15

Deadline: Wednesday, March 31  
Publication Date: Friday, April 16

No. 16

Deadline: Wednesday, April 14  
Publication Date: Friday, April 30

No. 17

Deadline: Wednesday, April 28  
Publication Date: Friday, May 14

No. 18

Deadline: Wednesday, May 19  
Publication Date: Friday, June 4

No. 19

Deadline: Wednesday, June 9  
Publication Date: Friday, June 25

No. 20

Deadline: Wednesday, July 7  
Publication Date: Friday, July 23

Index

Publication Date: Friday, Aug. 20

## Notre Dame Report Submission Information

Faculty (all classes: teaching research faculty, special professional faculty, and librarians and special research faculty) and administrators may submit information to be printed in *Notre Dame Report* via e-mail to [ndreport.1@nd.edu](mailto:ndreport.1@nd.edu). Receipt of information will be acknowledged as soon as edited for placement in an upcoming issue. **Please be sure to indicate ND faculty or administrators' names with an asterisk after each one.**

*Faculty and Administrators' Notes:* Appointments include only those University appointments such as deans, department heads, heads of committees, and administrative professionals. This does not include appointments to faculty positions.

HONORS is composed of non-University appointments in one's field and outright honors. It does not include fellowships, grants, etc. Any grants not published in the Awards Received section of the Report will be noted in Activities. Information required for each honor submitted includes: name, rank or title, department, honor, name of organization bestowing honor, city, state, and date (if applicable).

ACTIVITIES must be of a professional and public nature (such as invited lectures and papers read) and should be related to one's work at the University. Lectures given on campus are only acceptable if they are of a special nature and/or if they are presented to a broader audience than the Notre Dame community. Merely attending a meeting is unacceptable. Information required for each activity submitted includes: name, rank or title, department, title of presentation, title of conference or institution, city, state, and date. No activities are printed ahead of the date, only after the fact. Activities will not be reported if over six months out of date.

PUBLICATIONS of books, articles in journals, proceedings, or books, as well as reviews, are published in *Notre Dame Report*. Information required for a publication in a book or journal includes: name, rank or title, department (for all Notre Dame authors), title of article, name of journal (volume number, issue number, date) or name of book (author, place of publication, publisher, date), and page numbers. Information required for a published or edited book includes: name, rank or title, department (for all Notre Dame authors), book title, place of publication, publisher, date, and total number of pages. Publications will not be reported if over six months past publication date.

*Documentation:* Meeting minutes from the Graduate Council, Academic Council, University Committee on Libraries, Committee on Research and Sponsored Programs, Faculty Board on Athletics, and University Committee on Women Faculty and Students are printed in *Notre Dame Report*. These minutes should be sent in electronic form to [ndreport.1@nd.edu](mailto:ndreport.1@nd.edu).

## Errors and Omissions

In issue 20, the title of a presentation by **Prashant Kamat** was misprinted. It should have read "Charge Distribution and Fermi-level Equilibration in Semiconductor-Metal Nanocomposites."

The submission in issue 20 for **Catherine Pieronek** should have been reported under Administrators' Notes, rather than Faculty Notes.

# Research

## Awards and Proposal Summary

07/01/2003 to 07/31/2003

### Awards Received

Category	No.	Amount
Research	54	\$8,164,695
Instructional Programs	1	\$63,500
<b>Total:</b>	<b>55</b>	<b>\$8,228,195</b>

### Proposals Submitted

Category	No.	Amount
Research	60	\$17,928,830
Instructional Programs	1	\$17,181
<b>Total:</b>	<b>61</b>	<b>\$17,946,011</b>

### **July 2003 Cumulative summary**

#### **Awards Received**

Category	07.01.2001 - 07.31.2001		07.01.2002 - 07.31.2002		07.01.2003 - 07.31.2003	
	No.	Amount	No.	Amount	No.	Amount
Research	43	\$3,915,328	33	\$8,352,420	54	\$8,164,695
Facilities and Equipment						
Instructional Programs	2	\$131,583	2	\$268,133	1	\$63,500
Other Programs						
Service Programs						
<b>Total:</b>	<b>45</b>	<b>\$4,046,911</b>	<b>35</b>	<b>\$8,620,553</b>	<b>55</b>	<b>\$8,228,195</b>

#### **Proposals Submitted**

Category	07.01.2001 - 07.31.2001		07.01.2002 - 07.31.2002		07.01.2003 - 07.31.2003	
	No.	Amount	No.	Amount	No.	Amount
Research	37	\$14,247,289	47	\$14,578,052	60	\$17,928,830
Facilities and Equipment						
Instructional Programs			1	\$10,000	1	\$17,181
Other Programs						
Service Programs						
<b>Total:</b>	<b>37</b>	<b>\$14,247,289</b>	<b>48</b>	<b>\$14,588,052</b>	<b>61</b>	<b>\$17,946,011</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 Jul-01-2003 to Jul-31-2003**

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. Haddad, Osamah (Center or Institute)	Unsteady DNS Modeling of Weakly Ionized Phased Plasma Actuator	National Science Foundation	\$17,370	23
Goodwine, John W	CAREER: Stratified Motion Planning with Application to Robotic Manipulation	National Science Foundation	\$12,000	60
Goodwine, John W. Jumper, Eric J. (Center or Institute)	Aero-Optical Measurements Over Nose of Aircraft POD	Corporate funding	\$50,000	3
Jumper, Eric J. (Center or Institute)	Adaptive Optics for Turbulent Shear Layers	Department of the Air Force	\$48,000	12
Corona, Edmundo Mason, James J	Highly Integrated Multifunctional Structure with Embedded Subsystem Functionality	Corporate funding	\$305,699	19
Goodwine, John W. Nelson, Robert C.	Robust Nonlinear Cooperative Robotic Manipulation -- Indiana Space Grant Fellowship for Neil Petroff	Purdue University	\$5,000	12
Stanisic, Michael M. Nelson, Robert C.	Preliminary Analysis of an Advanced Humanoid Shoulder Complex -- Indiana Space Grant Fellowship for Craig Goehler	Purdue University	\$5,000	12
Nelson, Robert C.	Study of Aircraft Wake Turbulence and Its Impact on Flight Safety -- Indiana Space Grant Fellowship for Brian Babie	Purdue University	\$5,000	12

**Awards received during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Batill, Stephen M. Corke, Thomas C. Renaud, John E. (Center or Institute)	Multiple Mission Performance Optimization for a Morphing Aircraft	Corporate funding	\$80,358	13
Schmid, Steven R.	Chatter Suppression Through Optimization of Emulsion Lubricants	Corporate funding	\$29,730	20
<b>Department or Office:</b> Anthropology				
Schurr, Mark R. Hayes, Robert G.	Isotopic Reconstructions of Prehistoric Diet from Burnt Bones	National Science Foundation	\$25,000	35
<b>Department or Office:</b> Biological Sciences				
Besansky, Nora J. Collins, Frank H. (Center or Institute)	Malaria Control in Mali	Mali Malaria Research & Training Center	\$75,029	60
Kulpa, Charles F. (Center or Institute)	Microbial Films for Analysis in APS by Argonne Personnel	Argonne National Laboratory	\$10,000	59
Lodge, David M. Lamberti, Gary A.	Ecological Forecasting	National Science Foundation	\$577,118	48
O'Tousa, Joseph Edward	Genetic Analysis of Retinal Degeneration	National Institutes of Health	\$303,869	12
Severson, David W. (Center or Institute)	The Aedes aegypti Genome Project	National Institutes of Health	\$1,123,256	12
Welsh, JoEllen J	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	\$267,300	24

**Awards received during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Chemical Engineering				
McCready, Mark J. Brockman, Jay B. Ostafin, Agnes E. Palmer, Andre F.	Towards a New Chemical and Biomolecular Engineering Curriculum	National Science Foundation	\$130,419	36
<b>Department or Office:</b> Chemistry and Biochemistry				
Gezelter, J. D	CAREER. Dynamics of Model Biolonical Membranes and Glass Formation in Liquid Metals	National Science Foundation	\$2,042	45
Hartland, Gregory V.	Elastic Properties of Bimetallic Nanoparticles	Private funding	\$80,000	26
Rosen, Elliot D. Castellino, Francis J (Center or Institute)	Hemostatic Balance & Arterial Thrombosis	National Institutes of Health	\$515,385	36
Smith, Bradley D.	Synthetic Receptors for Anions, Salts, and Neutral Molecules	National Science Foundation	\$10,485	36
<b>Department or Office:</b> Civil Engineering and Geological Sciences				
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A.	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,200,000	60
Bunker, Bruce A. Fein, Jeremy B. Maurice, Patricia A.	Controls on Molecular-Scale Microbial Responses to Metals: Interactions of Bacteriam Metals, and Environmental Nanoparticles	Department of Energy	\$174,073	40



**Awards received during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Computer Science & Engineering				
Chen, Danny Z. Hu, Xiaobo	System-Level Approaches to Reducing Energy Consumption in Real-Time Embedded System Design	National Science Foundation	\$60,067	24
Izaguirre, Jesus A	CAREER: Scalable Mathematical and Computational Models for Biomolecular Modeling	National Science Foundation	\$18,750	60
Freeh, Vincent W. Tynan, Renee O. Madey, Gregory R.	Understanding Open Source Software Development	National Science Foundation	\$97,657	36
<b>Department or Office:</b> Economics				
Ghilarducci, Teresa	Pensions and Health Insurance in Low Wage Labor Markets	Private funding	\$28,000	24
<b>Department or Office:</b> Electrical Engineering				
Fay, Patrick J. (Center or Institute)	High Efficiency Thermophotovoltaic Cells	Corporate funding	\$79,938	12
Hall, Douglas C. (Center or Institute)	Advanced InAlGaAs Oxidation for Photonic Devices	Corporate funding	\$32,000	6
Fay, Patrick J. Hall, Douglas C. (Center or Institute)	Native-Oxide Defined AlGaAs Heterostructure Bipolar Transistors	Corporate funding	\$31,984	6
Antsaklis, Panos J. Hu, Xiaobo Lemmon, Michael D.	Performance Based Soft Real-Time Scheduling in Networked Control Systems	National Science Foundation	\$80,000	36

**Awards received during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Porod, Wolfgang Brockman, Jay B. (Center or Institute)	NUE: A Freshman-Level Introduction to Nanotechnology Based on Scanning-Probe Instruments	National Science Foundation	\$100,000	24
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	\$388,214	38
Porod, Wolfgang (Center or Institute)	Second International Workshop on Quantum Dots for Quantum Computing and Classical Size Effect Circuits	Department of the Air Force	\$10,000	6
Porod, Wolfgang Bernstein, Gary H. (Center or Institute)	NER:Computing Architectures for Coupled Nanomagnets	National Science Foundation	\$6,188	24
<b>Department or Office:</b> History				
Beatty, Edward N.	The Origins and Determinants of Technological Change in Late Nineteenth Century Mexico	National Science Foundation	\$62,927	24
<b>Department or Office:</b> Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	Nueva Esperanza's Hispanic Capacity Project	Corporate funding	\$59,418	12
Lafield, Karen (Center or Institute)	Models of the Occurrence and Timing of Naturalization	National Institutes of Health	\$10,864	24

**Awards received during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Mathematics				
Cholak, Peter A.	Definability and Automorphisms in Computability Theory	National Science Foundation	\$82,041	60
<b>Department or Office:</b> Music				
Higgins, Paula M.	Parents and Preceptors: Authority, Lineage, and the Conception of the Composer in Early Modern Europe	Private funding	\$30,000	9
<b>Department or Office:</b> Physics				
Barabasi, Albert-Laszlo	The Organization of Complex Metabolic Networks	Department of Energy	\$334,403	36
Bennett, David P.	Observations and Analysis of Exotic Gravitational Microlensing Events	National Science Foundation	\$90,000	36
Kolata, James J.	International: US-Mexico Collaborative Research In RNB Physics	National Science Foundation	\$9,524	35
LoSecco, John M. Hildreth, Michael D.	Research in CP Violation in the B Meson Sector	Department of Energy	\$150,000	12
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$138,000	12
Ruchti, Randal C.	QuarkNet	National Science Foundation	\$682,306	60
Veretennikov, Igor N.	Diffusive Coarsening of Liquid Foams in Microgravity	National Aeronautics and Space Administration	\$78,354	45

**Awards received during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Political Science				
Collins, Kathleen A.	Islam, Identity, and Conflict in Central Asia and the Causasus	Private funding	\$100,000	24
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Notre Dame-University of Michigan Consortium, (NRC) & (FLAS) Program, Latin American & Caribbean Studies	Department of Education	\$174,000	36
Hagopian, Frances (Center or Institute)	Building Linkages, Promoting Social Service: US Students, International Students, and Community Organizations	Private funding	\$1,997	12
<b>Department or Office:</b> Psychology				
Radvansky, Gabriel A.	Engineering a Transformatin of Human-Machine Interaction to An Augmented Cognitive Relationship	Sandia National Laboratory	\$20,930	19
<b>Department or Office:</b> Theology				
Groody, Daniel G. (Center or Institute)	An Undocumented Theology: Christian Life from Immigrant Perspective	Private funding	\$5,000	11
Ulrich, Eugene C. VanderKam, James C.	The Dead Seas Scrolls Project	National Endowment for the Humanities	\$150,000	24

**Awards for Instructional Programs**

<b>Department or Office:</b> Center for Social Concerns				
Pettit, Rebecca (Center or Institute)	National Youth Sports Program - 2003	Private funding	\$63,500	12

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C.	High-Bandwidth High-Resolution Sensor for Hypersonic Flows	Corporate funding	\$54,990	9
Morris, Scott C.	CAREER: Aeroacoustics and Vorticity In Turbulent Flows	National Science Foundation	\$400,000	60
Renaud, John E.	Optimization Under Uncertainty	Sandia National Laboratory	\$82,000	12
Skaar, Steven B.	Manipulator Position and Force State Estimation Using Camera-Space Manipulation	Jet Propulsion Laboratory	\$170,100	24
Thomas, Flint O. Corke, Thomas C.	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$250,994	36
<b>Department or Office:</b>	American Studies			
Ohmer, Susan C.	America Speaks?: George Gallup and the Culture of Opinion Polling, 1936-1960	National Endowment for the Humanities	\$40,000	9
<b>Department or Office:</b>	Biological Sciences			
Hager, Kristin M.	Membrane Trafficking In Toxoplasma gondii	National Institutes of Health	\$329,275	12
Lodge, David M.	Nonindigenous species in the aquatic landscape: pattern and processes	National Science Foundation	\$300,000	60

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Lodge, David M.	Grant Agreement between U.S. Fish and Wildlife Service and the University of Notre Dame	U. S. Fish and Wildlife Service	\$40,000	24
McDowell, Mary A.	The Role of Complement Receptor 3 in a Chronic Inflammation Model of Murine Leishmaniasis	Private funding	\$214,501	36
McDowell, Mary A.	The Role of Complement Receptor 3 in a Chronic Inflammation Model of Murine Leishmaniasis	Private funding	\$259,999	48
Shay, Neil F.	The Multidisciplinary Center for Obesity and Soyfoods Research	Department of Agriculture	\$1,069,128	48
Shay, Neil F.	SUBCONTRACT: Soy Isoflavones Exert Anti-Diabetic Effect Via PPAR and ER Receptors	Southern Illinois University	\$34,500	24
Shay, Neil F.	Soy Isoflavones Regulate Cholesterol Homeostasis	Private funding	\$49,000	24
Tank, Jennifer L. Kemp, Melody J.	The Microbial Ecology of Nitrogen in the Illinois River Floodplain	University of Illinois at Springfield	\$17,525	36



**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Tenniswood, Martin Ferdig, Michael T. Welsh, JoEllen J.	Effects of Diet on Prostate Tumor Progression	National Institutes of Health	\$371,250	12
Vaughan, Kevin T.	Complexity of Cytoplasmic Dynein Regulation	Private funding	\$500,000	60
<b>Department or Office:</b>	Chemical Engineering			
Maginn, Edward J. Brennecke, Joan F.	Design and Evaluation of Ionic Liquids as Novel CO2 Absorbents	Department of Energy	\$399,409	36
Varma, Arvind	Request to Support International Symposium On Chemical Reaction Engineering (ISCRE 18)	National Science Foundation	\$25,000	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Ostafin, Agnes E.	Novel diagnostic use of chemiluminescent sensors	National Science Foundation	\$801,366	60
<b>Department or Office:</b>	Chemistry and Biochemistry			
Baker, Brian M.	CAREER: Assembly of Class I Peptide/MHC Complexes	National Science Foundation	\$778,118	60

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Barkai, Eli	CAREER: Theoretical Aspects of Single Molecule Spectroscopy: Control, Tracking, and Unraveling Dynamical Events in the Condensed Phase:	National Science Foundation	\$708,593	60
Henderson, Kenneth W.	Development of Novel S-Block Organometallic Reagents	National Science Foundation	\$684,622	48
Huber, Paul W.	Translational Control of Localized Mrna	Private funding	\$49,000	24
Kandel, S. A.	CAREER: Interactions of Gas-Phase Atoms with Self-Assembled Monolayers	National Science Foundation	\$471,886	60
Lay, Angelina Castellino, Francis J.	Mechanism of Sepsis-Induced Disseminated Intravascular Coagulopathy (DIC) in Mice with Protein C Insufficiency	Private funding	\$107,344	24
Miller, Marvin J. Gezelter, J. D. Baker, Brian M. Barkai, Eli	A Shared Computing Cluster for Advanced Calculations in Chemistry and Biochemistry	National Science Foundation	\$205,450	24

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Burns, Peter C.	Quantifying and Predicting Reactive Transport	Department of Energy	\$75,000	24
Jain, Jinesh C.	Fate and transport of uranium and thorium in contaminated soils in North-West Russia and Ukraine: Clean-up of contaminated sites using phytoremediation	Private funding	\$26,846	24
Jain, Jinesh C.	In vitro clearance of trace minerals via continuous renal replacement therapies	University of Michigan	\$4,000	12
Salvati, Lynn A.	Cyclic Behavior of Cemented Sands: Testing, Field Variation, and Modeling	National Science Foundation	\$447,608	60
<b>Department or Office:</b>	Computer Science & Engineering			
Bowyer, Kevin W. Flynn, Patrick J.	Notre Dame Research in Iris and 3-D Image Based Human Identification	National Science Foundation	\$239,000	14
Schaelicke, Lambert	CAREER: Active-memory Support for High-Performance I/O	National Science Foundation	\$602,523	60
Scheutz, Matthias J.	CAREER: Affective Agent Architectures	National Science Foundation	\$584,435	60

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Striegel, Aaron	CAREER: Transparent Techniques for Bandwidth Conservation	National Science Foundation	\$484,398	60
<b>Department or Office:</b>	Economics			
Sullivan, James X.	Evaluating the Effects of Welfare Reform on Saving, Asset Allocation, and Vehicle Ownership	Private funding	\$60,000	12
<b>Department or Office:</b>	Electrical Engineering			
Laneman, J. N.	CAREER: Cross-Layer Diversity Approaches for MIMO Communications	National Science Foundation	\$543,860	60
Tabuada, Paulo	CAREER: Temporal Logic Synthesis of Embedded Controllers	National Science Foundation	\$511,688	60
<b>Department or Office:</b>	Freimann Animal Care Facility			
Suckow, Mark A.	Translating Nutrient Targets From Animals to Humans	Medical College of Wisconsin	\$149,349	36
<b>Department or Office:</b>	Institute for Latino Studies			
Hernandez, Edwin I.	Chicago Latino Congregation Study	Private funding	\$74,757	12
<b>Department or Office:</b>	Mathematics			
Alber, Mark S.	Testing a Developmental Mechanism by an Integrated Empirical-Computational Approach	New York Medical College	\$349,088	35

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

Investigator(s)	Title	Sponsor	Dollars	Months
Barron, Katrina D.	CAREER: Vertex Operator Superalgebras and the Worldsheet Geometry of Superconformal Field Theory	National Science Foundation	\$492,076	60
Polini, Claudia	CAREER: Blowup Algebras, Core, and Integral Closure	National Science Foundation	\$638,065	60
<b>Department or Office:</b> Music				
Higgins, Paula M.	Parents and Preceptors: Authority, Lineage, and the Conception of the Composer in Early Modern Europe	Private funding	\$30,000	9
<b>Department or Office:</b> Physics				
Balsara, Dinshaw S.	CAREER: Proposal to Advance Numerical MHD via RKDG-schemes and Higher Order AMR Techniques	National Science Foundation	\$499,770	60
Blackstead, Howard A.	First Steps To Bipolar Superconductor Electronics	National Science Foundation	\$199,922	24
Garg, Umesh	International Collaboration on Investigation of Microscopic Structure of Exotic Compressional-mode Giant Resonances	National Science Foundation	\$17,050	36

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Mathews, Grant J. Garnavich, Peter M.	An Archival Search for Compact Cosmology	National Aeronautics and Space Administration	\$92,180	24
Ruchti, Randal C.	CMS Hadron Calorimeter Project-Specialized Equipment	Fermi National Laboratory	\$6,311	12
Ruchti, Randal C.	Research in Hadron Collider Physics	National Science Foundation	\$25,137	11
<b>Department or Office:</b> Psychology				
Boker, Steven M.	Quantitative Lab Analysis	National Collegiate Athletic Association	\$3,900	12
Boker, Steven M. Scheutz, Matthias J.	Dynamic Models for Interpersonal Coordination in Dyadic Conversation	National Science Foundation	\$740,064	36
Cummings, E. M. Maxwell, Scott E. Goeke-Morey, Marcie C.	Marital Conflict Resolution and Child Development	National Institutes of Health	\$706,714	12
Cummings, E. M. Maxwell, Scott E. Darby, John Goeke-Morey, Marcie C.	Children and Political Violence in Northern Ireland	National Institutes of Health	\$242,770	12



**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

Investigator(s)	Title	Sponsor	Dollars	Months
Kim, Irene	Cultural Influences on Risk Factors for Marital Violence Among Korean Immigrant Men	Private funding	\$51,432	24
Eberhard, Kathleen M. Ryan-Scheutz, Colleen M. Scheutz, Matthias J.	Transfer Interference in Second Language Acquisition	National Science Foundation	\$402,566	36
<b>Department or Office:</b>	Sociology			
Williams, Richard A.	Alternative Assessments of GSE Performance, Influence, and Impact	US Housing & Urban Development	\$40,000	18
<b>Department or Office:</b>	University Libraries			
Dube, Elizabeth A.	Preservation of Catholic Tradition Collections: Phase One	National Endowment for the Humanities	\$699,779	24
<b>Department or Office:</b>	Walther Cancer Research Center			
Iwaki, Takayuki	The Hemostasis System in Atherosclerosis	Private funding	\$214,500	36
Iwaki, Takayuki	The Hemostasis System in Atherosclerosis	Private funding	\$259,992	48
<b><u>Proposals for Instructional Programs</u></b>				
<b>Department or Office:</b>	Upward Bound			
Coates, Alyssia J.	Mastering Occupational Development for Youth's Success	Private funding	\$17,181	6

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**07/01/2003 to 07/31/2003**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Environmental Science and Technology	1	\$10,000
Center for Flow Physics and Control	4	\$195,728
Center for Social Concerns	1	\$63,500
Center for Transgene Research	1	\$515,385
Center for Tropical Disease Research & Training	2	\$1,198,285
Institute for Latino Studies	3	\$75,282
Kellogg Institute for International Studies	2	\$175,997
Nano Science and Technology Center	7	\$648,324
<b>Total:</b>	<b>21</b>	<b>\$2,882,501</b>

#### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Center for Astrophysics	1	\$499,770
Center for Children and Families	1	\$706,714
Center for Flow Physics and Control	2	\$650,994
Center for Molecularly Engineered Materials	2	\$826,366
Center for Transgene Research	2	\$474,492
Center for Tropical Disease Research & Training	3	\$803,775
Freimann Life Science Center	1	\$149,349
Institute for Latino Studies	1	\$74,757
Kroc Institute for International Peace Studies	1	\$242,770
Nuclear Structure Laboratory	1	\$17,050
Walther Cancer Research Center	1	\$107,344
<b>Total:</b>	<b>16</b>	<b>\$4,553,381</b>

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

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Center for Environmental Science and Technology			
Kulpa, Charles F. (Center or Institute)	Microbial Films for Analysis in APS by Argonne Personnel	Argonne National Laboratory	\$10,000	000360-001
<b>Department or Office:</b>	Center for Flow Physics and Control			
Batill, Stephen M. Corke, Thomas C. Renaud, John E. (Center or Institute)	Multiple Mission Performance Optimization for a Morphing Aircraft	Corporate funding	\$80,358	006047-001
Goodwine, John W. Jumper, Eric J. (Center or Institute)	Aero-Optical Measurements Over Nose of Aircraft POD	Corporate funding	\$50,000	006056-001
Corke, Thomas C. Haddad, Osamah (Center or Institute)	Unsteady DNS Modeling of Weakly Ionized Phased Plasma Actuator	National Science Foundation	\$17,370	006060-001
Jumper, Eric J. (Center or Institute)	Adaptive Optics for Turbulent Shear Layers	Department of the Air Force	\$48,000	005919-001
<b>Department or Office:</b>	Center for Transgene Research			
Rosen, Elliot D. Castellino, Francis J (Center or Institute)	Hemostatic Balance & Arterial Thrombosis	National Institutes of Health	\$515,385	005294-001
<b>Department or Office:</b>	Center for Tropical Disease Research & Training			
Besansky, Nora J. Collins, Frank H. (Center or Institute)	Malaria Control in Mali	Mali Malaria Research & Training Center	\$75,029	006062-001
Severson, David W. (Center or Institute)	The Aedes aegypti Genome Project	National Institutes of Health	\$1,123,256	005855-001

**Awards received during the period Jul-01-2003 to Jul-31-2003**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<b>Department or Office:</b> Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	Nueva Esperanza's Hispanic Capacity Project	Corporate funding	\$59,418	006055-001
Lafeld, Karen (Center or Institute)	Models of the Occurrence and Timing of Naturalization	National Institutes of Health	\$10,864	006059-001
Groody, Daniel G. (Center or Institute)	An Undocumented Theology: Christian Life from Immigrant Perspective	Private funding	\$5,000	006058-001
<b>Department or Office:</b> Kellogg Institute for International Studies				
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Notre Dame-University Department of Education of Michigan Consortium, (NRC) & (FLAS) Program, Latin American & Caribbean Studies		\$174,000	006046-001
Hagopian, Frances (Center or Institute)	Building Linkages, Promoting Social Service: US Students, International Students, and Community Organizations	Private funding	\$1,997	006057-001
<b>Department or Office:</b> Nano Science and Technology Center				
Hall, Douglas C. (Center or Institute)	Advanced InAlGaAs Oxidation for Photonic Devices	Corporate funding	\$32,000	006053-001
Porod, Wolfgang Bernstein, Gary H. (Center or Institute)	NER:Computing Architectures for Coupled Nanomagnets	National Science Foundation	\$6,188	005779-001
Porod, Wolfgang (Center or Institute)	Second International Workshop on Quantum Dots for Quantum Computing and Classical Size Effect Circuits	Department of the Air Force	\$10,000	006050-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Fay, Patrick J. Hall, Douglas C. (Center or Institute)	Native-Oxide Defined AlGaAs Heterostructure Bipolar Transistors	Corporate funding	\$31,984	006051-001
Fay, Patrick J. (Center or Institute)	High Efficiency Thermophotovoltaic Cells	Corporate funding	\$79,938	006072-001
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	\$388,214	006071-001
Porod, Wolfgang Brockman, Jay B. (Center or Institute)	NUE: A Freshman-Level Introduction to Nanotechnology Based on Scanning-Probe Instruments	National Science Foundation	\$100,000	006048-001

**Awards for Instructional Programs****Department or Office:** Center for Social Concerns

Pettit, Rebecca (Center or Institute)	National Youth Sports Program - 2003	Private funding	\$63,500	006065-001
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**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Astrophysics			
Balsara, Dinshaw S.	CAREER: Proposal to Advance Numerical MHD via RKDG-schemes and Higher Order AMR Techniques	National Science Foundation	\$499,770	04010054
<b>Department or Office:</b>	Center for Children and Families			
Cummings, E. M.	Marital Conflict Resolution and Child Development	National Institutes of Health	\$706,714	04010022
Maxwell, Scott E.				
Goeke-Morey, Marcie C.				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Morris, Scott C.	CAREER: Aeroacoustics and Vorticity In Turbulent Flows	National Science Foundation	\$400,000	04010035
Thomas, Flint O.	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$250,994	04010033
Corke, Thomas C.				
<b>Department or Office:</b>	Center for Molecularly Engineered Materials			
Ostafin, Agnes E.	Novel diagnostic use of chemiluminescent sensors	National Science Foundation	\$801,366	04010053
Varma, Arvind	Request to Support International Symposium On Chemical Reaction Engineering (ISCRE 18)	National Science Foundation	\$25,000	04010036

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003****Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b>	Center for Transgene Research			
Iwaki, Takayuki	The Hemostasis System in Atherosclerosis	Private funding	\$214,500	04010039
Iwaki, Takayuki	The Hemostasis System in Atherosclerosis	Private funding	\$259,992	04010038
<b>Department or Office:</b>	Center for Tropical Disease Research & Training			
McDowell, Mary A.	The Role of Complement Receptor 3 in a Chronic Inflammation Model of Murine Leishmaniasis	Private funding	\$259,999	04010024
McDowell, Mary A.	The Role of Complement Receptor 3 in a Chronic Inflammation Model of Murine Leishmaniasis	Private funding	\$214,501	04010023
Hager, Kristin M.	Membrane Trafficking In Toxoplasma gondii	National Institutes of Health	\$329,275	04010013
<b>Department or Office:</b>	Freimann Life Science Center			
Suckow, Mark A.	Translating Nutrient Targets From Animals to Humans	Medical College of Wisconsin	\$149,349	04010018
<b>Department or Office:</b>	Institute for Latino Studies			
Hernandez, Edwin I.	Chicago Latino Congregation Study	Private funding	\$74,757	04010010

**Proposals submitted during the period Jul-01-2003 to Jul-31-2003**

**Centers and Institutes Report**

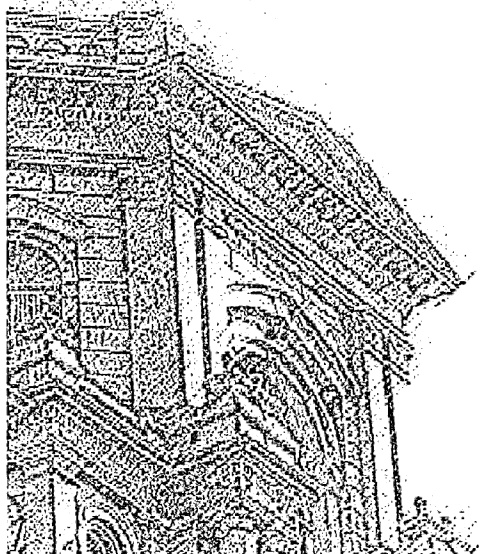
Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b> Kroc Institute for International Peace Studies				
Cummings, E. M.	Children and Political	National Institutes of Health	\$242,770	04010009
Maxwell, Scott E.	Violence in Northern			
Darby, John	Ireland			
Goeke-Morey, Marcie C.				
<b>Department or Office:</b> Nuclear Structure Laboratory				
Garg, Umesh	International Collaboration	National Science Foundation	\$17,050	04010007
	on Investigation of			
	Microscopic Structure of			
	Exotic			
	Compressional-mode			
	Giant Resonances			
<b>Department or Office:</b> Walther Cancer Research Center				
Lay, Angelina	Mechanism of	Private funding	\$107,344	04010042
Castellino, Francis J.	Sepsis-Induced			
	Disseminated			
	Intravascular			
	Coagulopathy			
	(DIC) in Mice with Protein			
	C Insufficiency			



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# Notre Dame Report

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