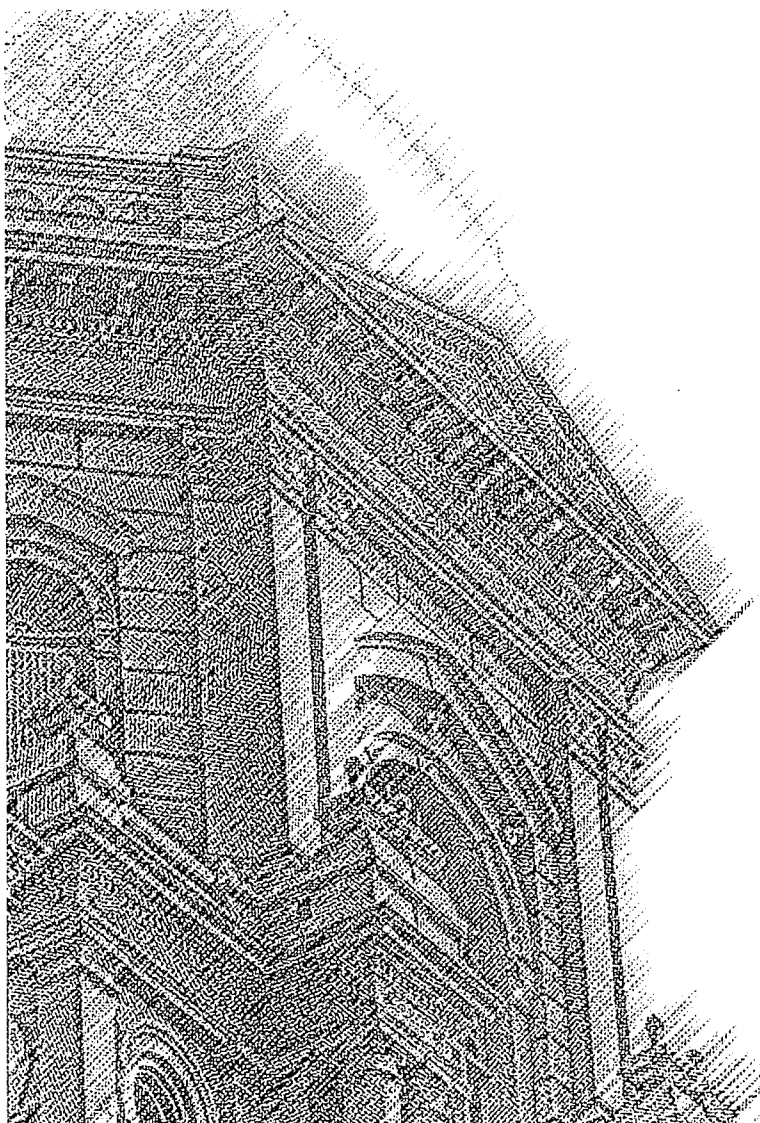


Notre Dame Report



Faculty Notes

10-267 . Honors
10-267 . Activities
10-268 . Publications
10-270 . Deaths

Administrators' Notes

10-271 . Appointments
10-271 . Publications

Documentation

10-272 . Faculty Board on Athletics
October 29, 2001
10-273 . Faculty Board on Athletics
November 19, 2001
10-276 . Corrections and Additions to Issue
No. 4

Research

10-278 . Awards Received
10-279 . Proposals Submitted
10-283 . Awards Received
10-283 . Proposals Submitted

F E B R U A R Y 1, 2 0 0 2

N U M B E R 10

Faculty Notes

Honors

Robert F. Easley, assistant professor of management, and **John G. Michel**, assistant professor of management, won the ICIS best paper award for "Open Standards, IS Strategy and Adoption of Innovative Technology: The Case of the Recording Industry and the MP3 Standard" at the 2001 International Conference on Information Systems, Dec. 16-19, in New Orleans.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, was elected a fellow of the American Academy of Mechanics. He is also a fellow of both the American Physical Society and the American Society of Mechanical Engineers, thus becoming one of the handful of scientists/engineers around the country who have been selected as fellows of three major professional societies. Gad-el-Hak was chosen by the American Society of Mechanical Engineers to be the 2002-2003 distinguished lecturer.

Li Guo, assistant professor of classics, was appointed a visiting assistant professor in the Dept. of Near Eastern Languages and Civilizations at the Univ. of Chicago for the winter quarter of 2002 to teach a graduate course on Arabic paleography.

Activities

Jeff Bergstrand, associate professor of finance, presented "On the Economic Determinants of Free Trade Agreements" at the Economics Dept. Seminar, West Virginia Univ., Nov. 8; at the Inaugural Conference of Regional Integration Network, Punta del Este, Uruguay, Dec. 15; at the Austrian Institute of Economic Research, Vienna, Oct. 5; and at the German Institute of Economic Research in Berlin, Oct. 1. He presented "On the Endogeneity of International Trade Flows and Free Trade Agreements" at the American Economic Association annual meeting, Atlanta, Jan. 6.

John Darby, professor of comparative ethnic studies, Kroc Institute, presented "Post accord Problems in Peace Processes" at a workshop attended by 15

invited scholars, Kroc Institute, Notre Dame, Sept. 24-25; "Borrowings between Peace Processes," Bryn Mawr College, Philadelphia, Nov. 5; and "Violence and Peace-making" at the Univ. of Cologne, Germany, Nov. 15-17.

E. Jane Doering, assistant professional specialist in the Institute for Scholarship in the Liberal Arts and concurrent assistant professor in the Arts and Letters Core Course, presented "Simone Weil: Human Rights and Human Obligations" at the Notre Dame's Center for Ethics and Culture 2001 "Culture of Life" conference in November.

Robert F. Easley, assistant professor of management, and **John G. Michel**, assistant professor of management, had their study on MP3 technology recognized as the best theme-related paper at the 22nd annual International Conference on Information Systems, Dec. 16-19, New Orleans. The contribution was titled "Open Standards, Information Systems Strategy, and Adoption of Innovative Technology: The Case of the Recording Industry and the MP3 Standard."

Mara Faccio, assistant professor of finance, presented "Benefits of Control? Evidence from Western European Acquisitions", with J.J. McConnell and D. Stolin, presented at the Univ. of Notre Dame (Sept. 2001) and at the Univ. of Cincinnati (Oct. 2001).

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, chaired the session on vortex dynamics and delivered the three talks: "Does the 'Universal' Log Law have a Perceptible Dependence on Reynolds Number?" "The Generalized Logarithmic Law for the Turbulent Boundary Layer," and "A Single-Element, Thermal, Flow-Velocity Sensor with Wide Dynamic Range" at the 54th annual meeting of the Division of Fluid Dynamics of the American Physical Society, San Diego, Nov. 18-20; delivered the invited talk entitled "The Fluid Mechanics of Microdevices," at Virginia Commonwealth Univ., Richmond, Va., Dec. 7; was a member of the international organizing committee for the Seventh International Congress of Fluid Dynamics and Propulsion, Cairo, Egypt, Dec. 19-21, where he delivered the invited talks "Flow Physics in Microdevices" and "Compliant Coatings:

What Works and What Doesn't?"; and delivered the contributed talks "Spatio-Temporal Stability of Flow through Viscoelastic Ducts," "Spatio-Temporal Stability of Flow through Collapsible Ducts," "Development and Characterization of a Thermal Flow Sensor with a Wide Bandwidth," and "The Logarithmic Law in Turbulent Boundary Layers: The Debate Continues" and chaired two sessions at the same meeting, Flow Control and Diagnostics, and Stability and Transition.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, presented "Molecularly Engineered Semiconductor-Metal Superstructures" at the DOE-sponsored workshop on "Charge Transfer on the Nanoscale," Santa Fe, Jan. 10-13.

Kwan S. Kim, professor of economics and Kellogg Institute fellow, presented "Economic Crisis, Reform and the Problem of Governance; Case of South Korea" at a joint American Economic Association session on Structural Reform Issues in Japan and Korea in Atlanta, Jan. 4; and served as a discussant of the papers presented at a session on Latin American Capital Markets, Jan. 7.

The Hon. Kenneth F. Ripple, professor of law, was an invited faculty member at the Pepperdine Judicial Clerkship Institute at Pepperdine Univ. School of Law, Malibu, Calif., Jan. 2-5, where he lectured on judicial process and on the law of *habeas corpus*.

Alan Seabaugh, professor of electrical engineering, gave two invited lectures, "Fundamentals of Nanotechnology and Nanocomputing" and "Integrated Molecular Electronics," at the International Conference on Nanocomputing, SASTRA Univ., Thanjavur, India, Dec. 16-17.

Publications

Robert Battalio, associate professor of finance, coauthored "The Potential for Clientele Pricing when Making Markets in Financial Securities" with R. Jennings and J. Selway, published in the *Journal of Financial Markets* 4 (2001): 85-112.

Ian Carmichael, professional specialist in the Radiation Laboratory, coauthored "Density Functional Theory Study of Ultrashort and Overlong CC Single Bonds and the Lowest Nonbonding C...C Distance" with V. Galasso, published in the *Journal of Physical Chemistry A* 104, no. 26 (2001): 6271-6276, NDRL 4192.

Francis J. Castellino, dean of science, Kleiderer-Pezold Professor of Chemistry and Biochemistry, and director of the Center for Transgene Research, coauthored "Amino Acid Determinants for NMDA Reception by Conantokin-T" with S.E. Warder, T. Blandl, R.C. Klein, and **Maryfrances E. Prorok**, research assistant professor of chemistry and biochemistry, published in the *Journal of Neurochemistry* 77 (2001): 812-822; and coauthored "Kinetic and Mechanistic Characterization of NMDA Receptor Antagonism by Replacement and Truncation Variants of the conantokin Peptides" with R.C. Klein, S.E. Warder, Z. Galdzicki, and Maryfrances E. Prorok, published in *Neuropharmacology* 41 (2001): 801-810.

Kevin J. Christiano, associate professor of sociology, published "Religiosity, Sociology of" in the *International Encyclopedia of the Social and Behavioral Sciences*, N.J. Smelser and P.B. Baltes, eds. (Oxford: Elsevier Science, Limited, 2001): 115-119.

Shane Corwin, assistant professor of finance, published "The Initial Listing Decisions of Firms that Go Public" in *Financial Management* 30, no. 1 (2001), with J.H. Harris.

Fred R. Dallmayr, Dee Professor of Government and Philosophy, Nanovic Institute fellow, Kellogg Institute fellow, and Kroc Institute fellow, wrote "Liberation Beyond Liberalism: Lessons from Buddhism and Islam," published in *Rethinking Social Transformation*, A.K. Giri, ed. (New Delhi: Rawat Publ., 2001): 109-133; "Para além da democracia fúgida: Algumas reflexões modernas e pós-modernas," published in *Democracia Hoje: Novas Desafios Para a Teoria Democrática Contemporânea*, J. Souza, ed. (*Brasília: Editora Univ. de Brasília, 2001): 11-38; "Heidegger on Macht and Machenschaft," published in *Continental Philosophy Review* 34 (2001): 247-267; "Memory and Social Imagination: Latin American Reflections,"

published in *Critical Horizons* 2 (2001): 153-171; "Gandhi on Self-Rule," published in *Re-Visions* 24 (2001): 9-18; "Conversations Across Boundaries," published in *Millennium: Journal of International Studies* 30 (2001): 331-347; "Beyond the Clash of Civilizations," published in *Sandhan (Journal of Centre for Studies in Civilizations, New Delhi)* 1 (2001): 71-79; and "Dogu-Bati Divani: Goethe ve Hafiz diyalogu," published in West-Eastern Divan: Goethe and Hafiz in Dialogue, *Divan* 5 (Istanbul 2000): 113-131. His book *Beyond Orientalism* (1996) has been reissued in an Indian edition (New Delhi: Rawat Publ., 2001) and has been translated into Japanese (Tokyo: Shinhyoron, 2001).

John Darby, professor of comparative ethnic studies, Kroc Institute, published *The Effects of Violence on Peace Processes* (Washington, D.C.: United States Institute of Peace, 2001): 153 pp.; and "Does Research Make any Difference: The Case of Northern Ireland," coauthored with M. Smyth, in *Researching Violently Divided Societies*, M. Smyth and G. Robinson, eds. (Tokyo: United Nations Univ. Press, 2001): 34-54.

Sarv Devaraj, assistant professor of management, coauthored "The Relationship Between Initial Quality Perceptions and Maintenance Behavior: The Case of the Automotive Industry" with E. Conlon and K. Mattain, published in *Management Science* 47, no. 9 (2001): 1191-1202.

Gregory Evans Dowd, associate professor of history and associate dean of undergraduate studies, College of Arts and Letters, published "Wag the Imperial Dog: Indians and Overseas Empires in North America, 1650-1776" in *A Companion to American Indian History*, P.J. Deloria and N. Salisbury, eds. (Malden, Mass. and Oxford: Blackwell Publishers, 2002): 46-67.

Georges Enderle, O'Neil Professor of International Business Ethics, published "What Management Ethos of the West Is Suitable for 'Exportation'?" in *Prakseologia*, no. 141 (2001): 359-372; and codirected (with M. Wang the Chinese translation of the *German Encyclopedia of Business Ethics* (Shanghai: Shanghai People's Publisher, 2001).

Michael J. Etzel, professor of marketing, published *Marketing*, 12th ed., with B. Walker and W. Stanton, (Irwin: McGraw-Hill, 2001).

Barbara J. Fick, associate professor of law, published "Reconciling the NLRA and IRCA: Can an Undocumented Worker Receive Back Pay? An Analysis of *Hoffman Plastic Compound Inc. v. NLRB*" in *Preview of United States Supreme Court Cases*, no. 4 (Jan. 2): 199-202.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, edited *The MEMS Handbook* (Boca Raton: CRC Press, 2001): 1368 pp.; wrote the "Introduction," *ibid.*: 1.1-1.5; wrote "Flow Physics," *ibid.*: 4.1-4.38; coauthored "Sensors and Actuators for Turbulent Flows" with L. Löfdahl, *ibid.*: 26.1-26.77; and wrote "Flow Control," *ibid.*: 33.1-33.51. He also wrote "Physique des Écoulements dans les MEMS" published in *Mécanique et Industries* 2, no. 4 (July/August): 313-341; coauthored "A Single-Element, Thermal, Flow-Velocity Sensor with Wide Dynamic Range" with A. Al-Salaymeh and F. Durst, published in the *Bulletin of the American Physical Society* 46, no. 10 (Nov.): 88-89; coauthored "Does the 'Universal' Log Law have a Perceptible Dependence on Reynolds Number?" with M. Buschmann, *ibid.*: 163; coauthored "The Generalized Logarithmic Law for the Turbulent Boundary Layer" with M. Buschmann, *ibid.*: 163; coauthored "Development and Characterization of a Thermal Flow Sensor with a Wide Bandwidth" with A. Al-Salaymeh and F. Durst, published in the *Proceedings of the Seventh International Congress of Fluid Dynamics and Propulsion*, A. Hamed, ed. (Cairo: Univ. of Cairo, 2001): Paper No. FCD-07, 7 pp.; coauthored "The Logarithmic Law in Turbulent Boundary Layers: The Debate Continues" with M. Buschmann, *ibid.*: Paper No. CEF-22, 6 p.; wrote "Flow Physics in Microdevices," *ibid.*: Paper No. MFD-01, 7 pp.; wrote "Compliant Coatings: What Works and What Doesn't?" *ibid.*: Paper No. CEF-36, 8 pp.; coauthored "Spatio-Temporal Stability of Flow through Collapsible Ducts" with M. Hamadiche, *ibid.*: Paper No. SAT-07, 8 pp.; and coauthored "Spatio-Temporal Stability of Flow through Viscoelastic Tubes" with M. Hamadiche, *ibid.*: Paper No. SAT-08, 6 pp.

John F. Gaski, associate professor of marketing, published "The Media, Not Notre Dame, Were to Blame" in the *Indianapolis Star* (Dec. 28): A23.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, published "Charge-Separation in Carbon Nanostructures (Grammaticakis-Neumann 2001 Award Lecture)" in the *EPA Newsletter* 73 (2001): 30-45, NDRL 4343.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, coauthored "Photoinduced Charge Separation in a Fluorophore-Gold Nanoassembly" with B.I. Ipe, K.G. Thomas, S. Barazzouk, and S. Hotchandani, in the *Journal of Physical Chemistry B* 106, no. 1 (2002): 18-21, NDRL 4319; "Semiconductor-Metal Composite Nanostructures. To What Extent Do Metal Nanoparticles Improve the Photocatalytic Activity of TiO₂ Films?" with V. Subramanian and E. Wolf, *ibid.* vol. 105, no. 46 (2001): 11439-11446, NDRL 4289; and "Fullerene-Functionalized Gold Nanoparticles. A Self-Assembled Photoactive Antenna-Metal Nanocore Assembly" with P.K. Sudeep, B.I. Ipe, K. George Thomas, M.V. George, S. Barazzouk, and S. Hotchandani, published in *NANO Letters* 2, no. 1 (2002): 29-35, NDRL 4322.

Mary J. Lee, assistant professional specialist in the Laboratory for Social Research, published "Toxics Release Inventory—An Environmental Database" in the *International Association for Social Science Information Service and Technology (IASSIST) Quarterly* 24, no. 4, (2001): 4-5.

Peter R. Moody Jr., professor of government and international studies, edited *China Documents Annual, 1997: Changes* (Gulf Breeze: International Academic Press, 2001) and wrote the introduction to the volume, pp. xii-xvi.

Alan Seabaugh, professor of electrical engineering, coauthored "Fundamentals of Nanotechnology and Nanocomputing" with **Craig Lent**, professor of electrical engineering, and "Integrated Molecular Electronics" with Craig Lent and **Marya Lieberman**, assistant professor of chemistry and biochemistry, published in *Nanocomputing—Technology Trends*, K. S. Lakshminarayanan, U. Devi, R.B. Shankar, and T.V.

Gopal, eds. (Chennai, India: Allied Publishers Limited, 2001).

Slavi C. Sevov, associate professor of chemistry and biochemistry, coauthored "Synthesis and Characterization of Cs₃P[Mo₄O₁₄(OH)]₂•2H₂O: A New Molybdophosphate Cluster with Face-Sharing MoO₆ Octahedra" with E. Dumas, published in *Inorganic Chemistry* 41 (2001): 144-146.

Andrew J. Sommese, Duncan Professor of Mathematics, (with J. Verschelde and C.W. Wampler), published "Numerical Irreducible Decomposition Using Projections from Points on the Components" in *Symbolic Computation: Solving Equations in Algebra, Geometry, and Engineering, Contemporary Mathematics* 206 (2001): 37-51; and coauthored "On the Bicanonical Map of a Surface Section of a Threefold" with M.C. Beltrametti, published in *Abhandlungen Mathematischen Seminar der Universität Hamburg* 71 (2001): 269-277.

Michael M. Stanisic, associate professor of aerospace and mechanical engineering, coauthored "A Dexterous Humanoid Shoulder Mechanism" with J. M. Wiitala and J. T. Feix, published in the *Journal of Robotic Systems* 18, no. 12 (2001): 737-745.

J. Kerry Thomas, Nieuwland Professor of Science, Department of Chemistry and Biochemistry, coauthored "Photophysical Studies of a Solid Oxide/Surfactant Interface: Photoreactions in the Nanospace of the Silica Gell—Triton X100 System" with K. Kavanaugh, published in *Physical Chemistry Chemical Physics* 4 (2002): 193-197; and "Photoinduced Reaction of Arene Singlets with Carbon Tetrachloride in Zeolite Y" with E.H. Ellison, published in *Microporous and Mesoporous Materials* 49 (2001): 15-24.

Julia Adeney Thomas, associate professor of history, published *Reconfiguring Modernity: Concepts of Nature in Japanese Political Ideology*, (Berkeley: Univ. of California Press, 2002): 254 pp.; and "Photography, National Identity and the 'Cataract of Times': Wartime Images and the Case of Japan," published in *Genocide, Collective Violence, and Popular Memory: The Politics of Remembrance in the Twentieth Century*, D.E. Lorey and W.H. Beezley, eds. (Scholarly Resources, 2002). This article

originally appeared in the *American Historical Review*.

Edward Vasta, professor emeritus of English, published the "Introduction" to *Ernest Sandeen: Collected Poems 1953-1994* (Notre Dame: Univ. of Notre Dame Press, 2001): 1-5; "Seat of Wisdom" in *Wilmington Blues* 2, no. 5 (July/August, 2001); "Signposts" in *Ceteris Paribus*, Jan. 28; "How the Life Went On" in the *Wilmington Blues* 2, no. 2 (Jan.-Feb.); "Eyes May See What Tongue May Not Speak" in *Mobius: A Journal of Social Change* 9, no. 4 (1998): 7-10; and "Denial in the Middle English Patience" in *Chaucer Review* 33, no. 1 (1998):1-30.

Raimo Väyrynen, professor of government and international studies, senior fellow of the Kroc Institute, and Nano-vic fellow, published "Post-Hegemonic and Post-Socialist Regionalisms: A Comparison of East Asia and Central Europe" in *Comparing Regionalisms. Implications for Global Development*, B. Hettne, A. Inotai, and O. Sunkel, eds. (London and New York: Palgrave, 2001): 132-86.

Deaths

Rev. George H. Minamiki, S.J., associate professor emeritus of classical and Oriental languages and literatures, Jan. 4, Los Angeles.

Documentation

Faculty Board on Athletics

October 29, 2001

Members present: Prof. Fernand Dutile (chair); Prof. Matthew Barrett; Prof. Harvey Bender; Prof. John Borkowski; Dr. Matthew Cullinan; Prof. Joseph Guiltinan; Dr. Kate Halischak; Prof. Blake Leyerle; Prof. Jerry Marley; Prof. Layna Mosley; Ms. Laura Patterson; (Rev.) Mark Poorman, C.S.C.; Prof. Clark Power; Prof. Kerry Thomas, and Dr. Kevin White.

Observers Present: Ms. Sandy Barbour; Ms. Missy Conboy; Mr. Bernard Muir (all of the Department of Athletics); Ms. Mary Hendriksen (recorder).

1. **Call to order and prayer:** The chair called the meeting to order at 4:20 p.m. Father Poorman led the group in prayer.

2. **Minutes of October 4, 2001:** Approval of the minutes of the meeting of October 4, 2001, was moved, seconded, and unanimously supported.

3. **Announcements:** The chair thanked those members of the Board who had attended that morning's breakfast with Ms. Debby King, new head coach of women's golf. The chair stressed the importance of such meetings, not only in order to become better acquainted with the coach, but also to impress the coach with those values the Board seeks to promote. The chair reminded the Board that on Monday, November 5, it would meet with Mr. John Jasinski, new men's golf coach, at 7:45 a.m., in the Morris Inn. He urged all to attend.

The chair announced that he had approved the following schedules, both of which met the Board's guidelines: baseball (2002) and men's lacrosse (2001-02). The chair informed the Board that he had also approved an amendment to the women's golf schedule. That amendment would add the Texas A&M Corpus Christi Classic, scheduled for November 12 and 13, to the schedule. Since the tournament at Michigan State, scheduled for September 14, 15, and 16, had been cancelled, the amended schedule remains within Board guidelines.

The chair announced that he had approved the following captaincy nominations: Michelle Oldsgard and Courtney Mercer (rowing); Kristin McMurtrie and Terry Taibl (women's golf); and Owen Asplundh, Chad Debolt, Chris Fallon, John Flandina, Devin Ryan, and Anthony Wright (men's lacrosse).

4. **Petitions for a fifth-year of eligibility** [heavily edited for reasons of confidentiality]: The first of two petitions before the Board raised two separate questions, the chair stated. First, is the student-athlete a fifth-year athlete as contemplated by our procedures governing fifth years of eligibility? Second, if the student-athlete is, should the petition be approved? At this point, the chair turned to Prof. Leyerle, chair of the subcommittee on academic integrity. Prof. Leyerle noted that the NCAA's definition of "fifth-year athletes" differs from Notre Dame's. The NCAA starts the clock immediately upon a student's matriculation. The subcommittee believes that at Notre Dame a fifth-year student must have completed more than eight semester—regardless of whether some interruption has taken place during the student's time here. According to that approach, the student-athlete under discussion would become a fifth-year student next spring. In dealing with this question, the subcommittee had given some thought to transfer students, concluding that such situations should be treated under the same principle: a student becomes a fifth-year student only upon completion of eight semesters. Ms. Barbour confirmed that the NCAA does indeed allow only five calendar years for competition, a period beginning with the student's initial full-time enrollment anywhere. Generally, the student-athlete may compete during only four of those five years. Prof. Barrett saw a need to review everyone seeking to play during a fifth calendar year, and to do so on a case-by-case basis. To him, the reason for the interruption in one's education drives the threshold issue; for example, was the student caring for a sick parent or was the student incarcerated? We must look at each case on the merits. The chair asked Dr. Halischak whether history shed any light on the threshold question of who is a fifth-year applicant. Dr.

Halischak responded that history supported Prof. Barrett's interpretation. Indeed, Father Poorman asked, is not the fifth year a privilege granted by the institution? Father Poorman also stated that his office now notifies student-athletes that misconduct may affect the issuance of monograms, the awarding of a captaincy, and other honorifics. Prof. Barrett, agreeing with Father Poorman, stressed that competing in athletics reflects a privilege; athletes are role models appropriately held to a higher standard than other students. Dr. Halischak pointed out that Notre Dame's current situation differs greatly from that prevailing 20 years ago. The original fifth-year policy developed in order to prevent the "warehousing" of athletes. Prof. Leyerle added that extending one's undergraduate career is a privilege, although athletes sometimes expect that extension. The chair asked about five-year programs, like Architecture. Prof. Power stressed the goals of the Board: protecting student-athletes from exploitation, and respecting the integrity of the institution. Prof. Power moved that the provisions for fifth-year student-athletes apply only beyond the eighth semester of the student-athlete's undergraduate education. Prof. Leyerle seconded the motion. The chair stressed that this motion should be seen as one necessary to decide the case before the Board. Since the subcommittee will later consider a definition appropriate to all falling within the provisions for a fifth year of eligibility, today's action, however it turns out, should not bind later deliberations. The motion passed, with one dissenting vote. Accordingly, the student-athlete under discussion becomes a fifth-year competitor in spring 2002.

At this point, the Board turned its attention to the merits of the petition. After a lengthy discussion, Prof. Leyerle moved that the student-athlete be asked to provide more information. Prof. Marley seconded the motion. The motion passed unanimously.

At this point, the Board considered a second petition for a fifth year of eligibility, that of Nathan Androlonis (track). The Board, with no discussion, unanimously approved that petition.

5. Procedures for a fifth-year of eligibility: Introducing the topic, the chair reminded the Board that on May 15, 2001, it had approved a set of provisions with regard to fifth-year petitions. One such provision required fifth-year student-athletes to undertake at least nine credit hours during each semester. At Dr. White's request, however, the Board had agreed to reconsider that provision prior to mid-November 2001. Accordingly, the chair has asked the subcommittee on academic integrity to address the issue and, as part of that deliberation, to consult with coaches. Dr. White indicated his preference that a small group of coaches, rather than the whole body, meet with the subcommittee. The chair asked the subcommittee to report on the matter at the next Board meeting, set for November 19.

6. Annual Report on the academic profile of the student-athlete population at Notre Dame: The FBA Manual calls for the director of academic services for student-athletes to make to the Board an annual report on the academic profile of student-athletes at Notre Dame. Prior to the meeting, Dr. Halischak, who directs that office, provided each member of the Board with an extensive and detailed report. Invited by the chair, Dr. Halischak highlighted the report and answered questions from those present. She underlined the fact that African Americans are more highly represented in athletics (15 percent of student-athletes) than in the general student population (1.7 percent of non-athletes). Student-athletes are over-represented in the College of Business. Indeed, the top three majors among student-athletes lie in the College of Business. These data accord with those from across the nation. In terms of admissions, Dr. Halischak considers students who scored less than 1000 on the SAT to be at "high risk" academically. Alas, 12.5 percent of student-athletes fall into this category, compared with 1 percent of non-student-athletes. Only two students in the non-athlete population have SATs below 900, whereas 22 student-athletes have SATs in that range. In other words, she stressed, the student-athlete population carries a significant concentration of high-risk students. Another perspective: while 75 percent of non-athletes have

SATs above 1300; 68 percent of athletes have SATs below 1300. Happily, several teams, including crew and women's track, carry SAT averages comparable to that of the general population.

Despite these numbers, graduation rates for student-athletes at Notre Dame remain outstanding: 90 percent unadjusted (counting as not having graduated even those student-athletes who transferred out of Notre Dame in good standing) and 96 percent adjusted (disregarding student-athletes who left Notre Dame in good standing). The adjusted rate for African-American student-athletes is above 70 percent. These graduation data include non-scholarship students (the NCAA has no measure for non-scholarship athletes; under that approach, men's lacrosse, which has no scholarships, does not exist!) At the end of the discussion, the chair thanked Dr. Halischak for her thorough report and for her presentation to the Board.

7. NCAA proposed legislation: The chair, who had distributed to each Board member legislation currently proposed for enactment by the NCAA, informed the Board that he had forwarded to Ms. Barbour, senior associate athletics director, all comments he had received from Board members on these proposals. He informed the Board that the faculty athletics representatives of the Big East Conference had undertaken to provide their own assessment of the legislation. Accordingly, he invited members of the Board to communicate to him their views on the legislation.

8. Adjournment: The chair adjourned the meeting at 5:50 p.m.

Faculty Board on Athletics

November 19, 2001

Members present: Prof. Fernand Dutille (chair); Prof. Matthew Barrett; Prof. Harvey Bender; Dr. Matthew Cullinan; Prof. Joseph Guiltinan; Dr. Kate Halischak; Prof. Jerry Marley; Prof. Layna Mosley; (Rev.) Mark Poorman, C.S.C.; Prof. Clark Power; Prof. Kerry Thomas.

Members absent: Prof. John Borkowski; Prof. Blake Leyerle; Ms. Laura Patterson; Dr. Kevin White.

Guest present: Mr. Daniel Saracino, associate provost for enrollment and admissions.

Observers Present: Ms. Missy Conboy and Mr. Bernard Muir (both of the Department of Athletics); Ms. Mary Hendriksen (recorder).

1. **Call to order and prayer:** The chair called the meeting to order at 4:20 p.m. Fr. Poorman led the group in prayer.

2. **Minutes of previous meeting:** Upon an appropriate motion and second, the minutes of the Board's meeting of October 29, 2001, were unanimously approved.

3. **Announcements:** The chair stated, for the record, that the Board had rejected, through its e-mail vote, the petition for a fifth year of eligibility discussed at the meeting of October 29, 2001, and deferred pending receipt of further information from the student-athlete. *[For reasons of confidentiality, the student-athlete's identity has been deleted from the public minutes].*

The chair announced approval of an amendment to the hockey schedule. Due to the availability of playing facilities, a two-game series originally scheduled for Saturday and Sunday, November 17 and 18, would now be played on Friday and Saturday, November 16 and 17. The addition of a Friday to the travel schedule did not take the team's schedule outside the Board's guidelines for class misses.

The chair announced that he had approved captains for softball: Jarrah Myers, Jenny Kriech, and Kathleen Hoag.

The chair reported on his attendance at the Fall Forum of the Faculty Athletics Representatives Association (FARA). Taking their cue from Miles Brand, president of the Indiana University system, some academics in both the Big-Ten Conference and the PAC-Ten Conference have urged reform of college-level athletics. Three key points: integrating academic-support programs for student-athletes with university-wide ones; ending inappropriate commercialism in college athletics; and scaling back the so-called "arms

race" with regard to facilities, coaches' salaries, and the like. In a joint statement, the chief executive officers of the PAC-Ten responded positively, though cautiously, to the concerns raised within the conference. The athletics situation at universities competing at the highest level is complex and, therefore, not easily changed. Moreover, the American culture with regard to sports plays a prominent role. The "arms race" can be seen as just another reflection of universities' desire to be the best and to have the best facilities, whether in teaching, research, or other pursuits. Alumni, the CEOs continued, are deeply interested and are themselves competitive. Indeed, alumni see athletics as a unique measure of the vitality of our institutions. Unilateral action on the "arms race" remains difficult and collective action may be illegal. Although the possibility of a Congressional exemption of universities from antitrust laws in this respect has been discussed, the political costs are obvious and considerable.

The chair also highlighted the Report of the NCAA Initial-Eligibility Consultants Concerning NCAA Division I Initial- and Continuing-Eligibility Standards. This report, a working document, does not necessarily reflect current NCAA policy; membership consensus remains to be reached. In this report, the consultants set out certain principles they view as fundamental. First, freshman eligibility stays. Second, the same standards for eligibility should apply to all Division I institutions and subgroups; accordingly, for example, standards should not vary depending on a particular institution's situation or upon the sport involved. Third, standards for eligibility should relate to graduation rates, while minimizing adverse impact on minority groups. Fourth, requirements for continuing eligibility should require high levels of academic performance, thus encouraging institutions to admit student-athletes closely mirroring the admissions profile of the other students on campus. Fifth, a linear/sliding scale with regard to standardized tests and grade-point averages should determine initial eligibility. Sixth, initial eligibility should continue to require 13 core courses in high school (prior to 1995, only 11 had been required). Seventh, rules regarding continuing eligibility should ensure

120 credits in five years and a grade-point average entitling the student-athlete to graduation. Eighth, to reflect more adequately the goals of the NCAA, "continuing eligibility" rules should be labeled "progress toward graduation" rules. Finally, student-athletes who become academically ineligible should not be able to compete and should not travel with their teams, but should remain eligible for financial aid.

During the FARA meeting, the role of athletics conferences garnered significant attention. Two questions arose: Are conferences too strong? And, in any event, are certain conferences too strong? The discussion brought out many arguments: Although the concept of presidential control remains at the forefront of reform, presidents find themselves too busy to give adequate attention to their athletics responsibilities. Directors of athletics face a similar problem. Faculty athletics representatives often lack adequate time to exercise appropriate oversight. Consequently, it is argued, conference commissioners fill the vacuum. The decision of the United States Supreme Court applying antitrust law to bar NCAA control of football on television gave significant power to athletics conferences, as do arrangements such as the Bowl Championship Series. The NCAA championship structure also contributes to the situation, as does the "24-7" attention of the media, such as cable sports channels, to how well conferences do against each other. Finally, conferences are often judged by their financial performance, not by the performance of their member institutions with regard to academics and otherwise. Furthermore, employees of conferences often staff NCAA committees, but are not themselves on campuses. These arguments represented the views of at least some participants at the FARA meeting.

4. **Student-athletes and admissions:** At the invitation of the chair, Mr. Daniel J. Saracino, assistant provost for enrollment, addressed the topic of student-athletes and admissions. With regard to admissions generally, Mr. Saracino emphasized the "many balls that must be kept in the air when selecting a class:" academic excellence, ethnic diversity, international diversity, the interests of alumni in having their

children admitted, the interests of the development office, the maintenance of the University's Catholic character, and, of course, the interest in admitting talented student-athletes. Academic credentials continue to rise. Indeed, the profile of our current applicant pool now matches that of the students who in fact enrolled in 1994. Alas, as the academic quality of the student body increases, the gap between the academic credentials of football players and those of the rest of the student body widens. This situation worries him considerably. He wants all students not only to "get through," but to have a favorable experience here at Notre Dame.

Student-athletes in football and in men's and women's basketball undergo an admissions process somewhat different from that of our other students. With regard to football and basketball prospects, because of time factors, the admissions office does not have the benefit of reviewing a complete application, which would include the comments of counselors or others at the high school. Mr. Saracino in such cases looks at a transcript rather than at a completed admissions application. This transcript generally covers the first three years of high school and an anticipated senior-year course schedule. Every prospective football recruit receives a personal interview in undergraduate admissions. This interview provides an opportunity to remind the student and his parents that football players here are primarily students who happen to be athletes. Mr. Saracino remains "comfortable" with all student-athletes admitted to date, but not necessarily "overly confident." He especially wants student-athletes who will go to class and will seek the help we make available to them. Notre Dame seems to be getting the outstanding students in sports other than football. Indeed, five of the 157 recruited athletes in the first-year class were designated as "Notre Dame Scholars" (students whose high-school classroom performance and SAT scores fall within the top 10 percent of those of the entering class at Notre Dame). He recognizes that members of the faculty worry about high-risk, high-profile athletes. The chair asked Mr. Saracino to comment on safeguards against undue athletics influence on

admissions. The basic safeguard, he responded, inheres in the fact that he reports directly to the provost. (At some schools, he noted, the office of admissions receives from the director of athletics a list of student-athletes who will be admitted.) Although he delegates to two of his senior admissions officers student-athletes in other sports, he directly handles football, men's basketball, and women's basketball. He believes that his staff provides excellent service to all sports and that good cooperation prevails between his office and the Department of Athletics. He remains in close touch with directors of admissions at comparable schools across the country. Prof. Power asked Mr. Saracino whether the funding of athletics scholarships to the NCAA maximum will help or hinder our enterprise. Mr. Saracino supports full funding. Prof. Power asked whether having the letters from counselors that are part of a standard admissions file would lead him to reject some student-athletes who are in fact accepted. Mr. Saracino responded that the result would most likely be the reverse: letters from counselors testifying to the student-athletes' work ethic and the like might persuade him to accept student-athletes that he currently rejects. Fr. Poorman asked why Notre Dame loses some good student-athletes to other schools. Mr. Saracino claimed no answer to that, since his office keeps no record of student-athletes who decide to go elsewhere; after all, they never formally enter the admissions process here. Ms. Conboy asked whether our coaches pursue the best student-athletes in high school. It is not clear to him, he responded, that all coaches understand the Notre Dame message. The "bullets" everyone on his staff emphasizes when speaking about Notre Dame are Catholic character, academic excellence, spirit, and community. Are the coaches stressing these? The chair thanked Mr. Saracino for his report and other observations.

5. Nine-credit requirement for fifth-year undergraduate student-athletes: As suggested at the last Board meeting, the subcommittee on academic integrity has met with selected coaches to consider their objections to the Board's current requirement that fifth-year student-athletes finishing their undergraduate degree enroll for a minimum

of nine credits. Reporting on behalf of that subcommittee, Prof. Guiltinan conveyed the coaches' feeling that some student-athletes do not want to take more courses than others in their situation. If they feel forced to take such courses, they may not apply themselves and, therefore, experience poor results. Ms. Conboy observed that perhaps, given all the ways in which Notre Dame requires more of its athletics program academically than do other universities, this particular requirement might be loosened. Alluding to the policies of other universities, she noted that most schools (including Stanford) have no minimum credit-hour requirement for such student-athletes. Duke enforces a two-course requirement. Dartmouth follows the all-Ivy rule that student-athletes must be undergraduates, but each Ivy institution varies with regard to the number of courses required of fifth-year competitors. Prof. Mosley asked what courses fifth-year student-athletes need. Dr. Halischak responded that most find themselves fairly close to graduation; having attended summer school, they do not need more courses. To the argument that the Department of Athletics could save significant amounts of money through a reduction of the nine-hour requirement, Prof. Marley responded that, for the most part, such payments of tuition constitute paper transfers from one university budget to another. He worries more about student-athletes who do not need the credits. Prof. Mosley asked whether student-athletes who do poorly during their fifth year have also done poorly previously. Dr. Halischak responded that performance during the fifth year probably falls below that of earlier years. Fr. Poorman remarked that some fifth-year non-athletes take the places of other students in some popular courses; the Academic Council is currently examining that problem. With regard to student-athletes, would red-shirting be preferable to our current situation? Student-athletes who know well in advance that they will be on campus for five years can participate more fully in campus life and can spread their courses over the entire five years. Such a system, he submitted, might be more honest. But, Ms. Conboy asked, what of recruiting "mistakes"? Often, coaches change their mind on whether they

want a particular student-athlete for the fifth year. Dr. Halischak added that after we have pushed progress to graduation and, in the bargain, often caused student-athletes to complete virtually all of their requirements in three-and-one-half years, we have nowhere to put them in our academic courses. Unlike other schools, that may cut from financial aid student-athletes who do not perform well athletically by the end of their sophomore year, Notre Dame continues financial aid through all four years, regardless of athletics performance. Prof. Guiltinan emphasized that fifth-year student-athletes remain essential to our football program, even if they end up without any playing time. He stressed that first-year players often lack the physical readiness to compete. Prof. Barrett urged that student-athletes not be registered as "unclassified graduate students;" that classification, he stressed, invites academic disaster. Ms. Conboy responded that the alternative might be for the student-athlete to remain an undergraduate and, as Dr. Halischak stated, add another major. Fr. Poorman urged an emphasis not on eligibility, but on progress toward graduation. Allowing a fifth year of eligibility results in the tail wagging the dog—such students may no longer have a purpose here beyond athletics participation. Moreover, the number of fifth-years is rising. Unless we can ensure some real academic engagement by fifth-year student-athletes, we should entertain the possibility of banning fifth-year participation. Mr. Muir stressed that Notre Dame needs fifth-year participation in order to be athletically competitive with regard to such things as the Sears Cup. At Stanford, about 50 student-athletes in their fifth year work toward participation in the Olympics. That sort of thing occurs here, as well. Ms. Conboy noted the "good job" the Department of Athletics has done in promoting four-year graduation among student-athletes. Mr. Muir argued that reducing the number of credits required for fifth-year student-athletes might result in better academic performance. To Fr. Poorman's observation that we go through all kinds of gyrations in order to accommodate fifth-year students, whether athletes or not, who should no longer be here, Prof. Bender replied that he found nothing magical about

graduating in four years; maybe five years is still more magical. Prof. Barrett asked how many late bloomers there are in athletics. Many student-athletes do not play until their junior year, Ms. Conboy responded. Prof. Barrett noted his concern that coaches wait until the end of recruiting in order to determine to whom fifth-year offers will be made. Ms. Conboy observed that many coaches may prefer to gamble on a fifth-year student-athlete rather than waste a four- or five year scholarship on an unknown prospect. Responding to the point made by another member of the Board, Prof. Guiltinan emphasized that even student-athletes who pay their own way during a fifth year of eligibility do not feel exploited. Prof. Poorman repeated his strong feeling that academic integrity requires academic engagement. Prof. Thomas reminded the group that its lengthy consideration last year of the fifth year of eligibility resulted in our current regulations; the discussion today merely rehearses the same subject matter. Since fifth-year student-athletes frequently drop their courses when the athletics season ends, he continued, we should consider only two courses of action: keep things as they are or drop all requirements. At this point, the chair asked the subcommittee on academic integrity to continue its deliberations on the matter and to bring its recommendations to the December meeting of the Board.

6. Annual report on the number of student-athletes living off-campus:

At the request of the chair, Mr. Muir reported that 56 grant-in-aid student-athletes currently reside off-campus. Eight applications were denied.

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

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

(Note: The following appeared incorrectly in issue 9. The corrections are in boldface type.)

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

teaching or other exemplary contributions to graduate education. Contributions can be in any or all of the following areas: Building or developing a graduate program, teaching quality graduate courses, excellence as an adviser or thesis director, and excellence in service as a director of graduate studies or in any other similar position. This honor will be presented at the President's Dinner for the faculty in May, and the recipient will receive a citation and cash prize.

The nomination packet should include **a minimum of four letters of support** (two from students and two from faculty) but no more than six, and a copy of the nominee's CV. All documentation should be sent to the department chair, who will forward all documentation to the Graduate School by Friday, March 8, 2002.

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

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

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

Research Achievement Award

(Note: The following appeared incorrectly in issue 9. The corrections are in boldface type.)

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

The deans of each of the colleges may nominate two full-time faculty members, currently active in research and teaching. In addition to a copy of the nominee's résumé, each nomination should include a two-page letter that addresses the selection criteria:

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

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

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

Nominations must be received by the vice president for graduate studies and research, 416 Main Building, no later than March 8.

2000-01 Arvind Varma

Corrections and Additions to Issue No. 4

Under Committees (p. 4-70), the listing for **Gretchen J. Reydam-Schils** should indicate she is an associate professor.

Under faculty listings:

GRETCHEN J. REYDAMS-SCHILS,
Associate Professor of Liberal Studies.
B.A., Catholic Univ. of Leuven, 1987;
M.A., Univ. of Cincinnati, 1989; Ph.D.,
Univ. of California, Berkeley, 1994
(1994).

Departmental Awards Received and Proposals Submitted

In the period December 1, 2001 to December 31, 2001.

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	20	\$3,208,122	43	\$25,670,990
Instructional Programs	0	0	0	0
Other Programs	0	0	0	0
Total	20	\$3,208,122	43	\$25,670,990

FISCAL YEAR-TO-DATE CUMULATIVE

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	203	\$21,290,314	343	123,675,939
Facilities and Equipment	0	0	0	0
Instructional Programs	8	1,159,905	5	3,763,223
Other Programs	1	24,497	0	0
Service Programs	0	0	0	0
Total	212	\$22,474,716	348	\$127,439,162

Research

Awards Received

In the period December 1, 2001, through December 31, 2001

Awards for Research:

Aerospace and Mechanical Engineering

Jumper, Eric J. (Center or Institute)

High Cycle Fatigue Correction Program

U.S. Air Force Academy

\$20,000 6 months

Roeder, Ryan K.

Minimally Invasive Orthopedic Implants Subagreement from
Indiana University

Indiana University Bloomington

\$30,000 8 months

Anthropology

Sheridan, Susan G.

Reviving the Past: Undergraduate Research Program in
Biocultural Anthropology (REU Site)

National Science Foundation

\$127,178 23 months

Biological Sciences

Belovsky, Gary E. (Center or Institute)

Brine Shrimp in the Great Salt Lake

Utah State University

\$41,500 11 months

Grimstad, Paul R.

Invasion of an Urban La Crosse Focus by *Aedes albopictus*

University of Illinois-Urbana-Champaign

\$14,630 36 months

Hyde, David R., O'Tousa, Joseph Edward

Mechanisms of Retinal Degeneration

National Institutes of Health

\$232,235 12 months

Kulpa, Charles F. (Center or Institute)

Microbial Films for Analysis in APS by Argonne Personnel

Argonne National Laboratory

\$20,000 68 months

Tank, Jennifer L.

Factors Controlling Stream Denitrification in an Agricultural
Landscape

Department of Agriculture

\$315,000 36 months

Chemistry and Biochemistry

Helquist, Paul (Center or Institute)

Asymmetric Synthesis of Nitrogen-Containing Organic
Compounds

AstraZeneca AB

\$20,000 36 months

Ploplis, Victoria A. (Center or Institute)

Thrombolysis and Atherosclerosis in Neutrophil Elastase-
Deficient Mice

American Heart Association

\$71,500 36 months

Wiest, Olaf Guenter

Mechanism and Models of DNA Photolyase

National Institutes of Health

\$105,158 12 months

Civil Engineering and Geological Sciences

Spencer, Billie F.

Cooperative US-Europe Research in Sensors and Smart
Structures Technology

National Science Foundation

\$34,195 12 months

Freimann Animal Care Facility

Suckow, Mark A. (Center or Institute)

Effect of a Novel Biomaterial on Tumor Growth

Cook Biotech, Inc.

\$15,000 12 months

Government and International Studies

Scully, Timothy R.

Alliance for Catholic Education

William E. Simon Foundation

\$55,000 12 months

Physics

Barabási, Albert-László

Experimental and Theoretical Studies of Wet Granular Media

National Aeronautics and Space Administration

\$19,799 44 months

Jankó, Boldizsár

Graduate Student Support

Argonne National Laboratory

\$47,922 24 months

Ruchti, Randal C.

USCMS Project - Education and Outreach

Fermi National Laboratory

\$13,793 60 months

Psychology**Radvansky, Gabriel Allen**

Working Memory Influences on Long-Term Memory

Department of Army

\$30,000

36 months

Sociology**Cárdenas, Gilberto (Center or Institute)**Berwyn/Cicero Hispanic/Latino Community Initiative in
Education, Health and Family

MacNeal Health Foundation

\$995,212

24 months

Cárdenas, Gilberto; Hernandez, Edwin (Center or Institute)

Hispanic Church Research Initiative

Pew Charitable Trust

\$1,000,000

25 months

Proposals Submitted

In the period December 1, 2001, through December 31, 2001

Proposals for Research:**Aerospace and Mechanical Engineering****Corke, Thomas C.; Thomas, Flint O. (Center or Institute)**Acoustic Source Modelling and Control for High By-Pass Jet
Engines

National Aeronautics and Space Administration

\$70,000

12 month

Corke, Thomas C. (Center or Institute)University Research, Engineering and Technology Institutes
(URETIs)

National Aeronautics and Space Administration

\$15,044,068

60 months

Ovaert, Timothy C.

Walking Simulation Device

Armstrong World Industries, Inc.

\$81,284

12 months

Anthropology**Downey, Gregory J.**An Apprenticeship in Cuning: Learning Capoeira, an Afro-
Brazilian Art

Oregon State University

\$32,000

9 months

Downey, Gregory J.An Apprenticeship in Cuning: Learning Capoeira, an Afro-
Brazilian Art

Brown University

\$30,000

9 months

Schurr, Mark R.; Hayes, Robert G.

Cremations and Isotopic Reconstructions of Prehistoric Diet

National Science Foundation

\$33,689

24 months

Art, Art History, and Design**Gill, Meredith J.**

Augustine and the Arts

Newberry Library

\$30,000

9 months

Biological Sciences**Belovsky, Gary E.**When Does Grasshopper Herbivory Enhance Rangeland
Production

Department of Agriculture

\$158,634

24 months

Chibber, Bakshy A.; Ostafin, Agnes E. (Center or Institute)

Field Genetic Analysis of Biological Warfare Agents

Department of Defense

\$158,475

4 months

Ferdig, Michael T. (Center or Institute)Genetic Study of *Cryptosporidium parvum*

Tufts University School of Veterinary Medicine

\$38,499

12 months

Kulpa, Charles F. (Center or Institute)

Microbial Films for Analysis in APS by Argonne Personnel

Argonne National Laboratory

\$60,000

36 months

Olson, Kenneth R.

Physiology of Trout Natriuretic Peptides

Indiana University Bloomington

\$603,350

48 months

Pollard, Morris; Schulman, Alexis A.; Suckow, Mark A. (Center or Institute)Chemoprevention of Prostate Cancer by a Lycopene Rich
Diet

American Institute for Cancer Research

\$162,324

24 months

Chemical Engineering**Ostafin, Agnes E.; Maginn, Edward J.; Chang, Hsueh-Chia (Center or Institute)**

Hollow Mesoporous Silicate Spheres

National Science Foundation

\$100,000

12 months

Varma, Arvind; Mukasyan, Alexander S. (Center or Institute)

Combustion Synthesized Nanoparticle Coatings for Manufacturing Tools

University of Minnesota

\$375,000

36 months

Chemistry and Biochemistry**Taylor, Richard E.**

Structural Diversity Based on Cyclopropane Scaffolds

National Science Foundation

\$661,935

48 months

Taylor, Richard E.

Conformation Activity Relationships

National Institutes of Health

\$167,625

12 months

Civil Engineering and Geological Sciences**Burns, Peter C.**

Post-Doctoral Research Fellowship

National Science Foundation

\$37,200

12 months

Computer Science and Engineering**Hu, Xiaobo; Chen, Danny Z.**

System-Level Approaches to Reducing Energy Consumption in Real-Time Embedded System Design

National Science Foundation

\$368,432

36 months

Kogge, Peter M.; Lent, Craig S.; Fay, Patrick J.; Orlov, Alexei; Snider, Gregory L.

Nirt: Architectures and Devices for Quantum-dot Cellular Automata

National Science Foundation

\$1,754,660

48 months

East Asian Languages and Literatures**Selden, Lili I.**

The Tale of Genji and its Reception as a Narrative of Desire

International Research Center for Japanese Studies

\$56,200

10 months

Electrical Engineering**Bauer, Peter H. (Center or Institute)**

Collaborative Research: Modeling and Management of Evidential Uncertainties in Distributed Decision-Making Environments

National Science Foundation

\$163,101

36 months

Lemmon, Michael D.; Antsaklis, Panos J.; Hu, Xiaobo
Performance Based Soft Real-Time Scheduling in Networked Control Systems

National Science Foundation

\$379,467

36 months

Lent, Craig S.; Lieberman, Marya; Snider, Gregory L.; Kandel, S.A.; Fehlner, Thomas P.

NIRT: Field-effect Switching of Molecular Charge Configurations for QCA

National Science Foundation

\$1,999,997

48 months

Merz, James L.

Near-Field Optical Investigations of Si/Ge Quantum Dots

University of Virginia

\$79,936

24 months

Porod, Wolfgang; Bernstein, Gary H.

NER: Computing Architectures for Coupled Nanomagnets

National Science Foundation

\$95,002

12 months

History**Osborn, Emily L.**

Fellowship in Stanford Humanities Fellows Program

Stanford Humanities Center

\$50,000

12 months

Physics**Furdyna, Jacek K.**

Quantum Heterostructures for Spintronic Applications

Vanderbilt University

\$377,409

48 months

Jankó, Boldizsar; Dobrowolska-Furdyna, Malgorzata; Furdyna, Jacek K.

NIRT: Formation and Properties of Spin-Polarized Quantum Dots in Magnetic Semiconductors by Controlled Variation of Magnetic Fields on the Nanoscale

National Science Foundation

\$1,996,644

48 months

Kolata, James J.; Garg, Umesh

Nuclear Structure Research

National Science Foundation

\$16,076

6 months

Sociology**Myers, Daniel J.**

Authority in Contention: Interdisciplinary Perspectives

American Sociological Association

\$6,500

7 months

Sikkink, David H.

Congregation, Community, and Public Schools

Louisville Institute

\$45,000

9 months

Sikkink, David H.; Myers, Daniel J.

Congregational Responses to September 11

Louisville Institute

\$54,883

12 months

Sikkink, David H.

Religious Schools and Democratic Citizenship

Yale University

\$34,000

9 months

Yamane, David A.Religion in the Statehouses: Negotiating Prophetic Demands
and Political Realities

University of Virginia

\$35,000

12 months

Theology**Aune, David E.**The Reception of the Apocalypse of John in the Greek
Church

Association of Theological Schools

\$25,000

12 months

Aune, David E.The Reception of the Apocalypse of John in the Greek
Church

Association of Theological Schools

\$71,000

12 months

Doak, Mary C.Christian Hope and Public Life: A Catholic and Feminist
Approach

Association of Theological Schools

\$25,000

9 months

Doak, Mary C.Christian Hope and Public Life: A Catholic and Feminist
Approach

Association of Theological Schools

\$32,600

9 months

Doak, Mary C.Christian Hope and Public Life: A Catholic and Feminist
Approach

Louisville Institute

\$45,000

12 months

Doak, Mary C.Christian Hope and Public Life: A Catholic and Feminist
Approach

University of Virginia

\$35,000

9 months

Whitmore, Todd D.Teaching and Learning Practical Reason at Catholic Colleges
and Universities

Wabash Center

\$36,000

9 months

Whitmore, Todd D.Teaching and Learning Practical Reason at Catholic Colleges
and Universities

Louisville Institute

\$45,000

9 months

Centers and Institutes Awards Received and Proposals Submitted

In the period December 1, 2001 to December 31, 2001.

Department or Office	AWA RDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Alliance for Catholic Education	1	55,000	0	0
Center for Environmental Science and Technology	1	20,000	2	218,475
Center for Flow Physics and Control	1	20,000	2	15,114,068
Center for Molecularly Engineered Materials	0	0	2	475,000
Center for Orphan Drug Development	1	20,000	0	0
Center for Transgene Research	1	71,500	0	0
Center for Tropical Disease Research and Training	0	0	1	38,499
Environmental Research Center	1	41,500	0	0
Freimann Life Science Center	1	15,000	1	162,324
Institute for Latino Studies	2	1,995,212	0	0
Laboratory for Image and Signal Analysis	0	0	1	163,101
Nano Science and Technology Center	0	0	4	3,929,595
South Bend Center for Medical Education	0	0	1	603,350
Total	9	\$2,238,212	14	\$20,704,412

FISCAL YEAR-TO-DATE CUMULATIVE

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Alliance for Catholic Education	4	\$268,583	1	\$ 55,000
Center for Astrophysics	3	31,980	2	585,395
Center for Environmental Science and Technology	1	20,000	2	218,475
Center for Flow Physics and Control	3	179,151	8	16,386,238
Center for Molecularly Engineered Materials	1	27,500	4	2,930,880
Center for Orphan Drug Development	1	20,000	0	0
Center for Transgene Research	3	940,875	1	260,239
Center for Tropical Disease Research and Training	3	516,678	2	77,519
Environmental Research Center	1	41,500	0	0
Freimann Life Science Center	2	16,500	5	651,574
Higgins Labor Research Center	1	98,911	0	0
Institute for Educational Initiatives	1	3,083	0	0
Institute for Latino Studies	4	2,204,913	2	299,512
John A. Kaneb Center for Teaching and Learning	1	46,100	0	0
Kellogg Institute for International Studies	4	210,780	2	279,706
Keough Institute for Irish Studies	1	39,000	0	0
Laboratory for Image and Signal Analysis	0	0	1	163,101
Lobund Laboratory	1	72,128	1	75,000
Mendelson Center for Sport, Character, and Culture	1	18,446	0	0
Nano Science and Technology Center	4	238,143	8	4,571,683
Radiation Laboratory	2	261,615	1	50,239
Robinson Community Learning Center	0	0	1	157,275
South Bend Center for Medical Education	2	66,688	2	817,850
TRIO Programs	6	992,222	2	2,176,807
Walther Cancer Institute	0	0	2	1,106,175
Total	50	\$6,314,796	47	\$30,862,668

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, which 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 "research2@nd.edu" or 1-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

Awards Received

In the period December 1, 2001, through December 31, 2001

Awards for Research:

Alliance for Catholic Education

Scully, Timothy R.

William E. Simon Foundation

\$55,000 12 months

Center for Environmental Science and Technology

Kulpa, Charles F.

Microbial Films for Analysis in APS by Argonne Personnel

Argonne National Laboratory

\$20,000 68 months

Center for Flow Physics and Control

Jumper, Eric J.

High Cycle Fatigue Correction Program

U.S. Air Force Academy

\$20,000 6 months

Center for Orphan Drug Development

Helquist, Paul

Asymmetric Synthesis of Nitrogen-Containing Organic Compounds

AstraZeneca AB

\$20,000 36 months

Center for Transgene Research

Ploplis, Victoria A.

Thrombolysis and Atherosclerosis in Neutrophil Elastase-Deficient Mice

American Heart Association

\$71,500 36 months

Environmental Research Center

Belovsky, Gary E.

Brine Shrimp in the Great Salt Lake

Utah State University

\$41,500 11 months

Freimann Life Science Center

Suckow, Mark A.

Effect of a Novel Biomaterial on Tumor Growth

Cook Biotech, Inc.

\$15,000 12 months

Institute for Latino Studies

Cárdenas, Gilberto

Berwyn/Cicero Hispanic/Latino Community Initiative in Education, Health and Family

MacNeal Health Foundation

\$995,212 24 months

Cárdenas, Gilberto; Hernandez, Edwin

Hispanic Church Research Initiative

Pew Charitable Trust

\$1,000,000 25 months

Proposals Submitted

In the period December 1, 2001, through December 31, 2001

Proposals for Research:

Center for Environmental Science and Technology

Chibber, Bakshy A.; Ostafin, Agnes E.

Field Genetic Analysis of Biological Warfare Agents

Department of Defense

\$158,475 4 months

Kulpa, Charles F.

Microbial Films for Analysis in APS by Argonne Personnel

Argonne National Laboratory

\$60,000 36 months

Center for Flow Physics and Control

Corke, Thomas C.; Thomas, Flint O.

Acoustic Source Modelling and Control for High By-Pass Jet Engines

National Aeronautics and Space Administration

\$70,000 12 months

Center for Flow Physics and Control

Corke, Thomas C.

University Research, Engineering and Technology Institutes (URETIs)

National Aeronautics and Space Administration

\$15,044,068 60 months

Center for Molecularly Engineered Materials

Ostafin, Agnes; Maginn, Edward J.; Chang, Hsueh-Chia

Hollow Mesoporous Silicate Spheres

National Science Foundation

\$100,000 12 months

Varma, Arvind; Mukasyan, Alexander S.
Combustion Synthesized Nanoparticle Coatings for
Manufacturing Tools

University of Minnesota

\$375,000

36 months

Center for Tropical Disease Research and Training

Ferdig, Michael T.

Genetic Study of *Cryptosporidium parvum*

Tufts University School of Veterinary Medicine

\$38,499

12 months

Freimann Life Science Center

Pollard, Morris; Schulman, Alexis A.; Suckow, Mark A.

Chemoprevention of Prostate Cancer by a Lycopene Rich Diet

American Institute for Cancer Research

\$162,324

24 months

Laboratory for Image and Signal Analysis

Bauer, Peter H.

Collaborative Research: Modeling and Management of
Evidential Uncertainties in Distributed Decision-Making
Environments

National Science Foundation

\$163,101

36 months

Nano Science and Technology Center

Porod, Wolfgang; Bernstein, Gary H.

NER: Computing Architectures for Coupled Nanomagnets

National Science Foundation

\$95,002

12 months

**Kogge, Peter M.; Lent, Craig S.; Fay, Patrick J.; Orlov,
Alexei; Snider, Gregory L.**

Nirt: Architectures and Devices for Quantum-dot Cellular
Automata

National Science Foundation

\$1,754,660

48 months

Merz, James L.

Near-Field Optical Investigations of Si/Ge Quantum Dots

University of Virginia

\$79,936

24 months

**Lent, Craig S.; Lieberman, Marya; Snider, Gregory L.;
Kandel, S.A.; Fehlner, Thomas P.**

NIRT: Field-effect Switching of Molecular Charge
Configurations for QCA

National Science Foundation

\$1,999,997

48 months

South Bend Center for Medical Education

Olson, Kenneth R.

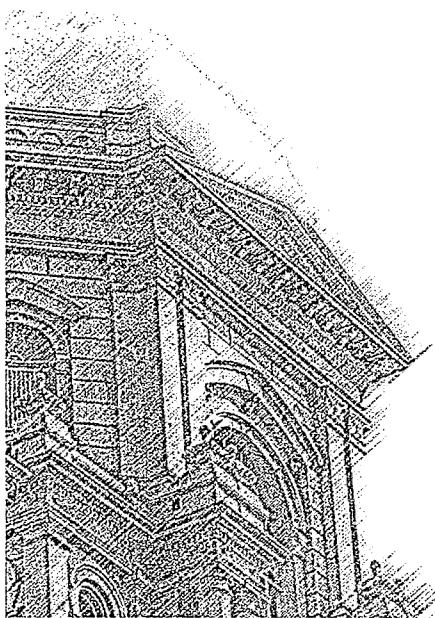
Physiology of Trout Natriuretic Peptides

Indiana University Bloomington

\$603,350

48 months

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