Faculty Notes
16-357.. Honors
16-357.. Activities
16-359.. Publications
16-360.. Deaths

Administrators' Notes
16-361 .. Publications
16-361 .. Appointments

Documentation
16-362 .. Faculty Board on Athletics

Research
16-366.. Departmental Awards Received, March
16-367.. Departmental Proposals Submitted, March
16-372 .. Centers and Institutes Awards Received, March
16-372 .. Centers and Institutes Proposals Submitted, March

APRIL 26, 2002
NUMBER 16
**Honors**

Panos J. Antsaklis, Brosey Professor of Electrical Engineering and director of the Center for Applied Mathematics, was invited by the president of the Max-Planck-Gesellschaft, Germany to join the Scientific Advisory Board (Fachbeirat) of the Max-Planck-Institut für Dynamik komplexer technischer Systeme in Magdeburg for a six-year term.

John Darby, professor of comparative ethnic studies and Kroc Institute fellow, was appointed to the International Advisory Board of the *Global Review of Ethnopolitics* (University of Bath, England).

Nicholas Isherwood, visiting assistant professor of music, was selected for the jury of the Early Music Section of the Conservatoire Regional de Musique in Paris in late May and early June.

Cynthia Mahmood, associate professor of anthropology and senior Kroc Institute fellow, received an Award for Excellence from the Sikh Centennial Foundation. This award celebrates an individual seen as upholding the highest ideals of the Sikh religion and as being a model of a person on the godly path for others to follow. Since she is not a Sikh, it is a special honor to have been chosen to receive this recognition.

Dean A. Porter, director emeritus of the Snite Museum of Art, was appointed to the board of directors of the National Center for American Western Art, Kerrville, Tex.; and was appointed to the Board of the South Bend Regional Museum of Art.

Ursula Williams, associate professional specialist and director of the Language Resource Center, was named software review editor of the online journal *The Reading Matrix* (readingmatrix.com/journal.html).

**Activities**

Joseph P. Bauer, professor of law, participated as a commentator at the second annual Midwest Antitrust Colloquium on April 5 entitled "Institute For Consumer Antitrust Studies" at Loyola Univ., Chicago School of Law.

Peter Cholak, associate professor of mathematics, presented a logic colloquium entitled "Extensions Theorems and Automorphisms of the Computably Enumerable Sets" at the Univ. of Wisconsin, Madison, April 3.

Lawrence Cunningham, O'Brien Professor of Theology, presented the annual Newman Foundation Lecture "The Church in the New Millennium," Univ. of Kentucky, Mar. 1; and the plenary address "Thomas Merton: Monastic Peace Maker" at a conference on Catholic Peace Makers, Villanova Univ., Mar. 22.

William G. Dwyer, Hank Professor of Mathematics, presented the opening lecture "Cellular Approximation in Algebra and Topology" at the International Conference on Algebraic Topology held at Northwestern Univ., Evanston, Mar. 24-28.

James A. Glazier, associate professor of physics, presented the colloquium "How Cells Know Where to Go" at the Univ. of Missouri, Columbia, Feb. 18, and again at Washington Univ., St. Louis, Mar. 12; and the special seminar "Correlated Cell Velocities and Anomalous Diffusion in Cell Aggregates" at the Univ. of Missouri College of Engineer, Feb. 19.

Joachim Görres, research professor of physics, presented the invited talk "Reaction Rates for Helium Burning" at the 11th Workshop on Nuclear Astrophysics, Ringberg Castle, Germany, Feb. 12.

Glenn Hendler, associate professor of English and acting director of the Program in Gender Studies, was a guest on the WBEZ Chicago Public Radio show Odyssey on the topic of "The dangers of reinterpreting art," on April 1.

Frank P. Incropera, Matthew H. McCloskey Dean of Engineering and Brosey Professor of Mechanical Engineering, was invited by the Deutsche Akademische Austausch Dienst to lecture and participate in panel discussions on "Future Trends in Engineering Education and Research" at the Univ. of Bonn, Mar. 11, the Technical University of Karlsruhe, Mar. 13, the Technical Univ. of Munich, Mar. 14, and the Technical Univ. of Berlin, Mar. 15.

Nicholas Isherwood, visiting assistant professor of music, presented concerts at the Hot House in Chicago (music by
R. Mitchell for CUBE), Caen Conservatory ("Oresteia" by I. Xenakis), the Goethe Institut in Paris ("El Cimarron" by H.W. Henze), and the Oratorio del Gonfalone in Rome (baroque monodies) in March and April.

Ian Kuijt, associate professor of anthropology, presented "Geomagnetic Surveys at the Pre-Pottery Neolithic, A period site of Dhra', Jordan: Results and Potential", with Mark R. Schurr, assistant professor of anthropology, and B. Finlayson, "Constructing a Regional Settlement Pattern Based on Intra-Site Data: A Case Study from the Upper Columbia Region of the Northwest" with W. Prettis and N. Goodale, and "The Pre-Pottery Neolithic A Period Chipped Stone Assemblage of Dhra', Jordan: Preliminary Results on Intra Assemblage Variation" with B. Finlayson and N. Goodale, all at the 67th annual meeting of the Society for American Archaeology, Denver, in March; "Models of Agriculture: A Critical Examination of Neolithic Food Storage and Mortuary Practices" to the Prehistory Dept., Faculty of Letters, Univ. of Istanbul, Turkey, in March; "Population Pressure, Social Inequality, and Early Agricultural Communities" to the Centre National De La Recherche Scientifique, Sophie Antipolis, France, in February; and "Social and Economic Explanations for the Origins of Food Production: Expectations, Data, and Challenges in Modeling the Near Eastern Neolithic" at Transitions: Perspectives from Anthropology Speaker Series, Dept. of Anthropology, Northwestern Univ., in January.

John LoSecco, professor of physics, presented the particle physics seminar "The Binary Pulsar(s) as a Probe of Extra Dimensions," Univ. of Cincinnati, Mar. 8.

Ernan McMullin, O'Hara Professor Emeritus of Philosophy, codelivered the annual Cuming Lectures at University College, Dublin, with B. van Fraassen, Oct. 30 through Nov. 1, speaking on "Scientific Realism: For and Against"; delivered the annual Coffa Lecture at Indiana Univ. on Nov. 30, on "Formalism and Ontology in Early Astronomy"; and presented "Philosophy of Science and Philosophy of Religion" and on "Anthropic Explanation in Recent Cosmology" at the California Institute of Technology, Mar. 8.

Juan Migliore, professor of mathematics, gave the colloquium talk "Not-so-dangerous Liaisons" at Utah State Univ., Apr. 4.

Peter R. Moody Jr., professor of government and international studies, gave a "China Update" to the current events study group at the Forever Learning Institute, Mar. 20.


Joachim Rosenthal, professor of mathematics and concurrent professor of electrical engineering, gave the colloquium talk "Public Key Cryptography, e-Commerce, and Number Theory" at Saint Mary's Univ. of Minnesota on Mar. 15; and gave the colloquium talk entitled "Three Challenges of Claude Shannon" at Northern Illinois Univ., DeKalb, April 5.

Colleen Ryan-Scheutz, assistant professor of Italian, presented "The Novel as a 'Structure That Wants to be Another Structure': Pasolini's 'Teorema'" at the Film, Image, Text conference at SUNY Binghamton, Feb. 16.

Thomas Scheffer, Rockefeller Visiting Fellow at the Kroc Institute, gave an invited talk on "Apocalypticism, Inner-worldly Eschatology, and Islamic Extremism" at the symposium "Die islamische Moderne als politische Theologie?", Schloss Elmau, Bavaria, Germany, Mar. 25.


Mark R. Schurr, assistant professor of anthropology, served as chair for the session "Archaeology of the Near East through the Iron Age" at the 67th annual meeting of the Society for American Archaeology, Denver, in March.


Raimo Väyrynen, professor of government and international studies and senior fellow of the Kroc Institute, presented "Peace, Markets, and Society: Karl Polanyi's Contribution to the Theory of War and Peace" at the 43rd annual convention of the International Studies Association, New Orleans, Mar. 23-27, where he also served as discussant in an interdisciplinary forum on the relations between international relations and the international political economy.

Robert P. Vecchio, Schurz Professor of Management, gave the invited presentation "Leadership and Gender" at the Trent Lott Leadership Institute, Oxford, Miss., Mar. 22.

Michael Wiescher, Freimann Professor of Physics, presented an invited lecture at the 19th autumn school on "New Perspectives with Nuclear Radioactivity" in Lisbon; a colloquium "The Fate of Matter on Accreting Neutron Stars" at the Argonne National Laboratory, Feb. 15; the seminar "The Origin of Fluorine" at Ohio Univ., Athens, Feb. 15; and the seminar "The Fate of Matter on Accreting Neutron Stars" at the Univ. of Illinois, Urbana, Mar. 6. He also served on the organizing committees for the workshop on TRIUMF-TRAP, Vancouver, B.C., and for the topical workshop on "Nuclear Astrophysics at the Limits of Stability" at the DNP/APS fall meeting, East Lansing.
Ursula Williams, associate professional specialist and director of the Language Resource Center, presented "No One Is an Island: Campus Computing and Language Resource Centers" at the Computer-Assisted Language Instruction Colloquium (CALICO) conference at UC Davis, Mar. 29.

Publications


John Darby, professor of comparative ethnic studies, Kroc Institute, and R. Mac Ginty, published Guns and Government: The Management of the Northern Ireland Peace Process (Basingstoke England, and New York: Palgrave/ Macmillan, 2002): 226, which publication was selected as "Book of the week" by nuzhound.com, a Web site concentrating on publications on Ireland, in March.


Nicholas Isherwood, visiting assistant professor of music, "Scelsi, Bizanzio, Gli Alchimisti" in "I Suoni, Le Onde", the journal of the Scelsi Foundation


Marya J. Sandovale-Cooper, assistant professional specialist in the Center for Transgene Research, coauthored "Fibrinogen Stabilizes Placental-maternal Attachment during Embryonic Development in the Mouse" with T. Iwaki, M. Paiva, T. Kobayashia, Victoria A. Ploplis, research associate professor of chemistry and biochemistry, and Francis J. Castellino, dean of science, Kleiderer-Pezold Professor of Chemistry and Biochemistry, and director, Center for Transgene Research, published in the American Journal of Pathology 160, no. 3 (March) 1021-1034.


and authored the book's introduction, "Fritz Steppat – Werkbiographische Einführung", ibid.: IX-XXX.


**Slavi C. Sevov**, associate professor of chemistry and biochemistry, published "Cubane with a Handle: \{([In\_3As\_4Nb]) = As \_7 \} in Cs\_7N\_bin 3 As\_5" with F. Gascoin in the *Angewandte Chemie International Edition* 41 (2002): 1232-1234.


---

**Deaths**

James T. Cushing, professor of physics, died Mar. 29, in South Bend.
Publications


Appointments

Rev. William M. Lies, C.S.C., was appointed executive director of the Center for Social Concerns, effective July 1.
Faculty Board on Athletics

February 19, 2002

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

Members absent: Prof. John Borkowski.

Guests present: Mr. Tyrone Willingham, head coach, football; Ms. Ava Preacher, assistant dean, College of Arts and Letters; Mr. Samuel Gaglio, assistant dean, Mendoza College of Business; Mr. Lou Nanni, vice president for Public Affairs and Communication; Ms. Gail Mancini, director, Web and Marketing Communications.

Observers present: Ms. Sandy Barbour; Ms. Missy Conboy; Mr. Tom Kelly; and Mr. Bernard Muir (all of the Department of Athletics); and 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: Prof. Guiltinan moved that the minutes of the meeting of January 29, 2002, be approved. Prof. Leyerle seconded the motion. The motion passed unanimously.

3. Announcements: For the record, the chair noted that the board had approved, through an e-mail vote, amendments to both the men's and women's tennis teams' schedules with regard to the National Indoor Tennis Championships. This change added, for the women, February 7 and 8, and, for the men, February 6, 7, and 8, as excused-absence days. The chair announced that he had approved an amendment to the schedule for women's swimming. That amendment added January 31 and February 1 as excused-absence days. That schedule too remains within University guidelines. The chair announced that he had approved an amendment to the schedule for men's and women's fencing. The addition of February 8 as an excused-absence day maintains the schedule within University guidelines. The chair approved an amendment to the travel schedule for men's lacrosse. The amended schedule, which remains in compliance with University guidelines, substitutes March 29 for February 15 as an excused-absence day.

The chair announced that he had approved a slate of possible captains for men's swimming. Each had the requisite cumulative GPA and clearance from the Office of Student Affairs. From this slate, the ultimate captain(s) will be selected.

The chair informed the board of his meeting on February 14 with Mr. Tyrone Willingham, newly appointed head coach of football. At that meeting, the chair and Coach Willingham discussed the University guidelines set out in the FBA Manual. The chair reminded the board of its breakfast meeting with Coach Willingham, scheduled for February 28, at 7:45 a.m., in the Donors' room of the Morris Inn.

The chair informed the board that the NCAA had notified the University of its next athletics certification schedule. Under NCAA rules, Notre Dame must undergo an athletics certification at least every 10 years. That certification focuses upon a self-study, verified and evaluated by peer review. An NCAA staff member will make an orientation visit to the University in October 2002. That visit triggers the one-year period allowed the University for completion of the self-study. The chair reminded the board of its breakfast meeting with Coach Willingham, scheduled for February 28, at 7:45 a.m., in the Donors' room of the Morris Inn.

The chair informed the board that the NCAA had notified the University of its next athletics certification schedule. Under NCAA rules, Notre Dame must undergo an athletics certification at least every 10 years. That certification focuses upon a self-study, verified and evaluated by peer review. An NCAA staff member will make an orientation visit to the University in October 2002. That visit triggers the one-year period allowed the University for completion of the self-study. The chair reminded the board of its breakfast meeting with Coach Willingham, scheduled for February 28, at 7:45 a.m., in the Donors' room of the Morris Inn.

4. Fifth year of eligibility: Ava Preacher, assistant dean in the College of Arts and Letters; Mr. Samuel Gaglio, assistant dean, Mendoza College of Business; Mr. Lou Nanni, vice president for Public Affairs and Communication; Ms. Gail Mancini, director, Web and Marketing Communications.
of Arts and Letters, and Samuel Gaglio, assistant dean in the Mendoza College of Business, spoke with the board concerning their difficulty in accommodating the university’s guidelines with regard to fifth years of eligibility. They noted their confusion with regard to how fifth-year student-athletes differ from other students regarding academic requirements. Although student-athletes in their fifth year of eligibility must, under University guidelines, carry nine credit hours per semester, the “working deans” may not even know who the student-athletes are. Accordingly, the deans may sign “drop” forms with regard to courses not needed under academic rules in order to graduate. Last year, Dean Preacher noted, a student-athlete who needed only one course to graduate sought, and was allowed, to withdraw from the rest of the nine credits for which the student-athlete had originally enrolled. Another question: must these nine hours be “coherent”? In response, Prof. Leyerle stressed the ideal of the student-athlete. The Board remains uncomfortable with the notion of our “marquee” sports being played by those who are only athletes, not student-athletes. Our watchword, she added, has been “engagement with the academic enterprise.” Courses reflecting personal enrichment fully meet the requirement. Our policy reflects the fact that the fifth year is a privilege, not a right. Dean Gaglio argued that the student-athlete should get priority; he is adamant on this point. Currently, student-athletes have no DART priority if they are not in a major. If the faculty board wants that priority, it must get it implemented. Prof. Thomas stressed that the student-athlete referred to earlier should have been counseled that failure of his courses would preclude graduation. This approach would remove the problem from the deans’ offices. Otherwise, at least when no bowl game is scheduled, we may have no dis incentive to student-athletes’ dropping courses. Prof. Mosley: Students respond to incentives like bowl games. Merely urging them to “stay in and do well” will not do the trick. Moreover, some of the student-athletes have never been “engaged” before; why would they become so now? Fr. Poorman suggested an alternative: spread out the student-athlete’s program to five years. Call it “red-shirting” if you will, but commit to providing them with five years in which to complete their academic work. Both deans emphasized that many Notre Dame students come back for a fifth year for non-athletic reasons. These students are allowed to take only those credits needed for graduation. It is difficult to enforce a system in which student-athletes are treated differently from other students. Prof. Barrett warned that students taking fewer than 12 credit hours may not be covered by their parents’ insurance, must repay student loans, and suffer other disabili ties. Coach Williams argued that the nine-credit policy treats football players unfairly; where do student rights fit in? Whereas the policy under discussion suggests distrust of student-athletes, he comes from a place where student rights are important, where students have a right to be, and where students are entitled to play a fifth year. If the student-athlete needed but one course during that fifth year, that need was respected. When, Prof. Barack asked, was the decision made with regard to the fifth year at Stanford? As early as spring of the junior year, but no later than Thanksgiving of the senior year, Coach Williams replied. Indeed, the fifth-year program in Michigan State began as part of the student-rights movement; coaches did not instigate it. Dean Preacher stressed that graduation requirements and eligibility requirements present two quite different issues. Dean Gaglio added that student-athletes remain totally confused with regard to the nine-credit policy. Father Poorman stated that the Office of Academic Services for Student Athletes should both guide and monitor the policy, as well as work with the deans. Dr. Halischak replied that this works for undergraduates. For non-degree students, the entire project falls upon her office. Dean Gaglio: Must “engagement” be defined as a student taking classes? What of community service? Student government? The Board agreed that Deans Preacher and Gaglio should meet with the board’s subcommittee on academic integrity to pursue discussion of this complex matter. The chair thanked Deans Preacher and Gaglio for their presence at the meeting.

5. Women’s soccer schedule: The chair brought this schedule before the board because a scheduled tournament in Fort Wayne might interfere with Orientation Weekend. The cover letter accompanying the proposed women’s soccer schedule specifically stated that first-year women attending the Fort Wayne tournament “will not miss Freshman Orientation on Saturday, August 24, 2002.” As outlined in the letter, students would be available for AP testing on Friday before departing for Fort
Wayne, and would return to South Bend both for Saturday's activities and for the Code of Honor Program then scheduled for Sunday afternoon. (As it turns out, the Code of Honor Program will be melded into the Saturday program, leaving Sunday afternoon free of University-organized activities.) Indeed, to thus prevent team conflicts with mandatory orientation events, head coach Randy Waldrum had persuaded the organizers of the soccer tournament to adjust the weekend schedule. Since the chair of the faculty board has authority to "sign off" on a schedule only when it falls "clearly" within University guidelines, he had asked Coach Waldrum to clear with both Dr. Eileen Kolman, dean of the first year, and Fr. Mark Poorman, vice president for student affairs, the team's plans for Orientation Weekend. Fr. Poorman had stressed the need to discuss the schedule at a meeting of the board, since, in his view, Orientation should include not only the mandatory events, but the whole weekend. Student-athletes, he felt, should be present in the dorms and otherwise on campus during this weekend of assimilation into the Notre Dame culture. Also, they should be on campus during the Mass on Sunday morning, even though that event remains technically optional. In light of these views, the chair put the matter on the board's agenda for the current meeting. Mr. Tom Kelly, the associate athletics director who oversees women's soccer, stressed the prestige of the Fort Wayne tournament this year, for example, both North Carolina and Kentucky are slated to participate, in addition to Notre Dame. These "exhibition" games allow coaches to play their young players without damaging the official record. Fr. Poorman urged that the schedule be honored, but that the team's first-year students remain on campus. All of Orientation is important, he stressed. The "dorm move-in" takes place on Friday night. Sunday's Mass is also important. We work hard to integrate these students into the Notre Dame culture. Taking student-athletes away during any part of the weekend chips away at the notion that the weekend is "all of one piece." Mr. Muir noted that other athletics teams, like football, volleyball, and men's soccer, would practice over that weekend. Mr. Kelly noted that Dean Kolman remained comfortable with scheduling the tournament. Prof. Guiltinan expressed sympathy for the fact that Coach Waldrum had made a good-faith effort, even consulting with Dean Kolman, to accommodate his schedule to Orientation as he understood it. It becomes difficult to adjust the schedule at this late date. Fr. Poorman, noting that the women's soccer team had missed all of Orientation two years ago due to a trip to Brazil, alluded to the fact that the board of trustees had established an Orientation committee, thus signaling the importance the board of trustees places on acculturation into the University. Dr. Cullinan agreed on the importance of Orientation; first-year players will miss part of that if they travel to Fort Wayne. Do we need to send a signal? In any event, we do, he agrees, need a discussion with regard to the long-term. Whatever we do, Prof. Power said, we must communicate our policy; even practices may conflict with Orientation events. On Prof. Guiltinan's motion to permit the women's soccer team to participate in the Fort Wayne tournament, which Prof. Power seconded, the board voted affirmatively, with one vote against and one abstention. At this point, Fr. Poorman moved that the board's subcommittee on student welfare undertake an analysis of this issue with a view to making more specific the current policy. Prof. Leyerle seconded. A unanimous vote ensued. 

6. The Notre Dame Visual Identity Project: At the chair's request, Mr. Lou Nanni, vice president for Public Affairs and Communication, and Ms. Gail Mancini, director, Web and Marketing Communications, addressed the board with regard to Notre Dame's Visual Identity Project. The project was precipitated by the change in our telephone area code; soon all letterheads, cards, and the like will need to be changed. Mr. Nanni noted the importance of the project in establishing a process and in building a coalition. The idea underlying the project: seeking consistency in the University's strong visual identity. This, he stressed, is a matter of significant concern to the board of trustees. A number of icons appear as University symbols: the Golden Dome, the University seal, the interlocking "N" and "D," the leprechaun, and the shamrock, for example. Ms. Mancini added that these icons might reflect a differing mix of the academic and the athletic. What message do we want to convey? We are testing those images both on- and off-campus; different reactions might emanate from those two areas. We do want a polished image. Our self-imposed deadline: May 6, so that new stationery, business cards, and other such items that incorporate both the results of the project and the new area code might be secured prior to the latter coming into full effect on June 15. Prof. Barrett noted his concern that separate symbols might be mandated for the academic and the athletic. Haven't we prided ourselves on the extent to which we integrate the two? Shouldn't we have one image reflecting excellence in both? Mr. Nanni responded that the University has a strong interest in not using athletic symbols for the academic or the religious aspects of the University. Of course, the Department of Athletics will have an opportunity to assess and to conform. At least one survey has demonstrated that the public associates Notre Dame first with football, then with Catholicity, and then with academics. Added Ms. Mancini, many on campus want academic excellence to be the primary message. It is time for us to use the tools of communication to bolster both our academic reputation and our Catholicity. With the younger generation, Mr. Nanni stated, symbols become especially important. Prof. Thomas asked whether other institutions have undertaken such projects. Ms. Mancini cited Northwestern, Washington University (St. Louis), and the University of Chicago as examples. The chair asked whether the project would preclude individual colleges and departments from asserting their own identities, a market-oriented approach that he prefers. Ms. Mancini stated that the administration would work with these colleges and departments. Flexibility will still obtain. Mr. Nanni concluded by noting that the problem here becomes exacerbated by the fact that we have more images than other universities. The chair thanked Mr. Nanni and Ms. Mancini for their presentations.

The chair adjourned the meeting at 6:25 p.m.
Departmental Awards Received and Proposals Submitted

In the period from March 1 to March 31, 2002

<table>
<thead>
<tr>
<th>Category</th>
<th>AWARDS RECEIVED</th>
<th>PROPOSALS SUBMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Amount</td>
</tr>
<tr>
<td>Research</td>
<td>26</td>
<td>$3,831,160</td>
</tr>
<tr>
<td>Facilities and Equipment</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Instructional Programs</td>
<td>0</td>
<td>$48,300</td>
</tr>
<tr>
<td>Other Programs</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Service Programs</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>26</td>
<td>$3,879,460</td>
</tr>
</tbody>
</table>

In the period from July 1, 2001 to March 31, 2002

<table>
<thead>
<tr>
<th>Category</th>
<th>AWARDS RECEIVED</th>
<th>PROPOSALS SUBMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Amount</td>
</tr>
<tr>
<td>Research</td>
<td>278</td>
<td>$35,137,645</td>
</tr>
<tr>
<td>Facilities and Equipment</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Instructional Programs</td>
<td>9</td>
<td>$1,208,205</td>
</tr>
<tr>
<td>Other Programs</td>
<td>1</td>
<td>$24,497</td>
</tr>
<tr>
<td>Service Programs</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>288</td>
<td>$36,370,347</td>
</tr>
</tbody>
</table>

*The figures attributed to Centers/Institutes in these reports are also included in the general reports for all awards and proposals. However, they are listed under the department of the Principal Investigator rather than the center, institute, lab or significant University program.*
Awards Received

March 1, 2002 through March 31, 2002

Awards for Research:

Aerospace and Mechanical Engineering

Mueller, Thomas J. (Center or Institute)
An Experimental Study of Trailing Edge Noise
Department of Navy
$100,000  24 months

Renaud, John E.
Managing Uncertainty in Bilevel Robust Design Optimization
National Science Foundation
$12,000  36 months

Schmid, Steven R.
Enhanced Tribology Module for Modeling Friction and Heat Transfer
Concurrent Technologies Corporation
$35,000  6 months

Anthropology

Gaffney, Patrick D.
Assistant Professor in Japanese Anthropology
Japan Foundation
$31,915  22 months

Biological Sciences

Adams, John H.
Anti-Malarial Activity of Histone Deacetylase Inhibitors
CircaGen Pharmaceutical, LLC
$10,000  12 months

Vaughan, Kevin T.
Regulation of Cytoplasmic Dynein Targeting
National Institutes of Health
$260,479  60 months

Chemical Engineering

Wolf, Eduardo E.
High Throughput Activity and in-situ FTIR and EXAFS Studies of the Effect of S on Noble Metal Supported Oxidation Catalysts
National Science Foundation
$213,326  35 months

Chemistry and Biochemistry

Goodson, Holly
Identification and Characterization of CLIP-170-Related Microtubule-binding Proteins (the ClipR Family)
American Heart Association  $65,000  36 months

Carmichael, Ian C.; Hug, Gordon L.; Chipman, Daniel M.; Meisel, Dan (Center or Institute)
The NOx System in Nuclear Waste
Department of Energy
$300,000  58 months

Serianni, Anthony S.
NMR Studies of Biologically-Important Oligosaccharides
National Institutes of Health
$229,011  24 months

Civil Engineering and Geological Sciences

Burns, Peter C.
Renewal of Direct Investigations of the Immobilization of Radionuclides in the Alteration Products of Spent Nuclear Fuel
Department of Energy
$422,825  72 months

Silliman, Stephen E.
Groundwater Characterization in Central Benin Using Element Analysis
National Science Foundation
$26,000  36 months

Computer Science and Engineering

Flynn, Patrick; Bowyer, Kevin W.
Data Sets, Baseline Performance Reference Points, and Evaluation Metrics for Human ID
Navy/DARPA
$224,498  35 months

Kogge, Peter M.
Morphable Computer Architectures for Highly Energy Aware Systems
Air Force Research Lab/ARPA
$166,158  36 months

Electrical Engineering

Antsaklis, Panos J.; Lemmon, Michael D.; Haenggi, Martin
Real-Time Reconfiguration of Networked Embedded Systems
Air Force Research Lab/ARPA
$326,422  36 months
Porod, Wolfgang; Lent, Craig S.
Nanoelectronics
Arizona State University
$150,034  60 months

Snider, Gregory L.; Merz, James L. (Center or Institute)
Near-Field Optical Investigation of Si/Ge Quantum Dots
(MRSEC Seed Project)
University of Virginia
$39,485  12 months

Freimann Animal Care Facility
Suckow, Mark A. (Center or Institute)
In Vivo Evaluation of a Porcine-Derived Biomaterial
Cook Biotech, Inc.
$15,338  12 months

Philosophy
McInerny, Ralph M. (Center or Institute)
Bradley Fellowship Programs for AY2002-03
Lynde and Harry Bradley Foundation
$30,000  12 months

Physics
Furdyna, Jacek K.; Dobrowolska-Furdyna, Malgorzat
Optical and Far Infrared Studies of Semiconductor Heterostructures
National Science Foundation
$105,000  36 months

Ruchti, Randal C.; Garcia, Alejandro; Garg, Umesh
Physics REU Program at the University of Notre Dame
National Science Foundation
$76,000  60 months

Ruggiero, Steven T.
NIST IPA for Dr. Ruggiero
National Institute Standards & Technology
$73,920  12 months

Psychology
Radvansky, Gabriel Allen
Working Memory Influences on Long-Term Memory
Department of Army
$17,846  36 months

Sociology
Myers, Daniel J.
Research on Riots, Protest, and Activism (REU Site)
National Science Foundation
$51,455  36 months

Theology
Cavadini, John C.
Regional Pastoral Summits
Lilly Endowment, Inc.
$809,448  34 months

Ulrich, Eugene C.; VanderKam, James C.
The Publication of Four Volumes of Dead Sea Scrolls
National Endowment for the Humanities
$40,000  24 months

Awards for Instructional Programs:

ACE Educational Outreach
Johnstone, Joyce V. (Center or Institute)
Cristo Rey Christian Service Program
W.K. Kellogg Foundation
$48,300  12 months

Proposals Submitted
March 1, 2002 through March 31, 2002

Proposals for Research:

Aerospace and Mechanical Engineering
Corke, Thomas C. (Center or Institute)
Instability Measurement and Control in 3-D Supersonic Boundary Layers
Department of the Air Force
$341,625  36 months

Goodwine, John W.
REU Supplement to CAREER: Stratified Motion Planning with Application to Robotic Manipulation
National Science Foundation
$12,000  2 months

Goodwine, John W.
Reduction and Control of High-Order Distributed Robotic Systems
National Science Foundation
$338,699  36 months
Jumper, Eric J. (Center or Institute)
Adaptive Optics for Turbulent Shear Layers
Department of the Air Force
$261,593 36 months

Jumper, Eric J.
Directed Energy Beam Improvement Using Flow Excitation
(DEBI-FX)
The Boeing Company
$293,974 32 months

Ovaert, Timothy C.
Simulation of Floor Failure by Point Indentation and Scratching
Armstrong World Industries, Inc.
$229,624 24 months

Renaud, John E.
Managing Uncertainty in Bilevel Robust Design Optimization - RET Supplement
National Science Foundation
$20,000 12 months

Roeder, Ryan K.; Niebur, Glen L.
Staining Techniques for Micro-CT Imaging of Microdamage in Bone
Indiana University Bloomington
$87,212 12 months

Thomas, Flint O.; Corke, Thomas C. (Center or Institute)
An Integrated Approach to Noise Source Identification and Control in Transonic Jet Flows
Department of the Air Force
$241,249 36 months

Anthropology
Downey, Gregory J.
An Apprenticeship in Cunning: Learning Capoeira, an Afro-Brazilian Art
University of Virginia
$40,000 12 months

Biological Sciences
Hager, Kristin M. (Center or Institute)
Analysis of Membrane Trafficking Events in the Regulation of Organelle Biogenesis and Stability of Apicomplexan Parasites
The Ellison Medical Foundation
$200,000 12 months

Hinchcliffe, Edward H.
Centrosomes and Cell Cycle Regulation
American Cancer Society
$847,000 48 months

Center for Transgene Research
Schulman, Alexis A.; Suckow, Mark A.; Pollard, Morris (Center or Institute)
The Role of Cyclooxygenase-2 and its Inhibition in Prostate Adenocarcinoma
Pfizer Inc.
$50,000 12 months

Chemical Engineering
Palmer, Andre F.
CAREER: Engineering Artificial Cells
National Science Foundation
$13,800 3 months

Varma, Arvind
REU Supplement for NSF Grant CTS99-00357
National Science Foundation
$5,000 6 months

Varma, Arvind; Mukasyan, Alexander, S.; Shafrovich, Evgeny (Center or Institute)
Ignition and Combustion of Single Complex Metal Particles Under Reduced-Gravity Conditions
National Aeronautics and Space Administration
$589,752 48 months

Wolf, Eduardo E.
Partial Oxidation of Alkanes in a Dual Bed Membrane Reactor
National Science Foundation
$259,077 36 months

Chemistry and Biochemistry
Castellino, Francis J.
Blood Coagulation Protein Metal Ion Lipid Interactions
National Institutes of Health
$393,454 12 months
Hartland, Gregory V.
Elastic Properties of Bimetallic Nanoparticles
ACS Petroleum Research Fund
$120,000 44 months

Huber, Paul W.
Protein Binding Domains on Eukaryotic SS rRNA and rDNA
National Institutes of Health
$331,700 12 months

Civil Engineering and Geological Sciences
Burns, Peter C.
Microbially-Promoted Alteration of U (VI) Phases
Department of Energy
$885,083 36 months

Burns, Peter C.
Mitigation of Uranium Groundwater Plumes
Pacific Northwest National Laboratory
$285,121 36 months

Kurama, Yahya C.
Coupled Precast Concrete Structural Walls
Precast and Prestressed Concrete Institute
$15,000 26 months

Stillman, Stephen E.; Neal, Clive R.
Element Based Characterization of the Impact of Changing Land Use on Subsurface Transport of Non-Point Pollutants: St. Joseph Aquifer, Northern IN.
U.S. Geological Survey
$132,913 36 months

Talley, Jeffrey W.
Thermal Programmed Desorption Mass Spectrometry of Hydrophobic Organic Contaminants
U.S. Army Corps of Engineers
$200,000 30 months

Computer Science and Engineering
Hu, Xiaobo
CAREER: Performance Analysis and Tradeoff for System-Level Design Exploration of Real-Time Embedded Systems
National Science Foundation
$10,000 11 months

Kogge, Peter M.; Schaelicke, Lambert; Frech, Vincent ; Brockman, Jay B.
High Productivity PIM Computing System
Cray, Inc.
$499,987 12 months

Dean - College of Arts and Letters
Alpert, Sheri A. (Center or Institute)
Genechips and HIPAA: How the Genome will be Handled Under the Federal Medical Privacy Regulations
Department of Energy
$32,429 12 months

Electrical Engineering
Costello, Daniel J.; Fuja, Thomas E.
Bandwidth Efficient Turbo Code Design
Motorola Labs
$26,040 12 months

Lemmon, Michael D.; Haenggi, Martin; Antsaklis, Panos J.; Hu, Xiaobo
Ad hoc Networks of Embedded Control Systems
National Science Foundation
$500,000 36 months

English
Johnson-Roullier, Cyraina E.; Cárdenas, Gilberto
Instituting the Americas: Ethnic Diversity in New World Context
Rockefeller Foundation
$325,000 48 months

Physics
Janko, Boldizsar; Dobrowolska-Furdyna, Malgorzata; Furdyna, Jacek K.
Spin Manipulation at Magnetic Semiconductor Interfaces for Spintronic Applications
National Science Foundation
$1,447,824 36 months

Johnson, Walter R.
Muffin-Tin Model for Deuse Plasmas: Radiative Properties, Electron EOS, and Transport Coefficients
Lawrence Livermore National Laboratory
$90,160 12 months

Program of Liberal Studies
Weinfield, Henry M.
Creative Writing Fellowship
National Endowment for the Arts
$20,000 11 months
Psychology

Boker, Steven M.; Scheutz, Matthias J.
Coordination in Dyadic Affective Behavior: Convergent Models of Inter-Human and Human-Robotic Nonverbal Interaction
James S. McDonnell Foundation
$353,925 36 months

Borkowski, John G.; LeClerc, Felicia B.; Maxwell, Scott E.; Boker, Steven M.; McKenna, James J.
Predicting and Preventing Child Neglect in Teen Mothers
National Institutes of Health
$1,249,480 12 months

Borkowski, John G.; Whitman, Thomas L.
Research Training in Mental Retardation
National Institutes of Health
$137,327 12 months

Radiation Laboratory

LaVerne, Jay A. (Center or Institute)
Subsurface Reactivity and Radiolysis of Transuranium Oxides
Argonne National Laboratory
$234,182 36 months

Sociology

Carbonaro, William J.
Tracking, Student Efforts, and Academic Achievement: Are Students Rewarded Equally for Hard Work?
American Educational Research Association
$25,000 24 months

Proposals for Instructional Programs:

ACE Educational Outreach

Johnstone, Joyce V. (Center or Institute)
Title II: Improving Student Achievement Through Effective Teaching
Indiana Professional Standards Board
$91,767 12 months

Biological Sciences

Fraser, Malcolm J. (Center or Institute)
Transgenic Engineering of Aedine Mosquitoes
National Institutes of Health
$374,124 12 months
## Centers and Institutes

### Awards Received and Proposals Submitted

#### In the period from March 1 to March 31, 2002

<table>
<thead>
<tr>
<th>Centers and Institutes</th>
<th>AWARDS</th>
<th>PROPOSALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Amount</td>
<td>No.</td>
</tr>
<tr>
<td>Alliance for Catholic Education</td>
<td>0</td>
<td>$268,583</td>
</tr>
<tr>
<td>Center for Astrophysics</td>
<td>3</td>
<td>$31,980</td>
</tr>
<tr>
<td>Center for Environmental Science and Technology</td>
<td>1</td>
<td>$20,000</td>
</tr>
<tr>
<td>Center for Flow Physics and Control</td>
<td>11</td>
<td>$599,690</td>
</tr>
<tr>
<td>Center for Molecularly Engineered Materials</td>
<td>2</td>
<td>$90,000</td>
</tr>
<tr>
<td>Center for Orphan Drug Development</td>
<td>1</td>
<td>$20,000</td>
</tr>
<tr>
<td>Center for Transgene Research</td>
<td>3</td>
<td>$940,875</td>
</tr>
<tr>
<td>Center for Tropical Disease Research and Training</td>
<td>4</td>
<td>$531,308</td>
</tr>
<tr>
<td>Environmental Research Center</td>
<td>1</td>
<td>$41,500</td>
</tr>
<tr>
<td>Freimann Life Science Center</td>
<td>4</td>
<td>$43,838</td>
</tr>
<tr>
<td>Higgins Labor Research Center</td>
<td>1</td>
<td>$98,911</td>
</tr>
<tr>
<td>Institute for Educational Initiatives</td>
<td>2</td>
<td>$51,383</td>
</tr>
<tr>
<td>Institute for Latino Studies</td>
<td>4</td>
<td>$2,204,913</td>
</tr>
<tr>
<td>Jacques Maritain Center</td>
<td>1</td>
<td>$30,000</td>
</tr>
<tr>
<td>John A. Kaneb Center for Teaching and Learning</td>
<td>1</td>
<td>$46,100</td>
</tr>
<tr>
<td>Kellogg Institute for International Studies</td>
<td>6</td>
<td>$1,215,780</td>
</tr>
<tr>
<td>Keough Institute for Irish Studies</td>
<td>1</td>
<td>$39,000</td>
</tr>
<tr>
<td>Laboratory for Image and Signal Analysis</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Lobund Laboratory</td>
<td>1</td>
<td>$72,128</td>
</tr>
<tr>
<td>Mendelson Center for Sport, Character, and Culture</td>
<td>4</td>
<td>$2,098,721</td>
</tr>
<tr>
<td>Nano Science and Technology Center</td>
<td>9</td>
<td>$714,142</td>
</tr>
<tr>
<td>Nuclear Structure Laboratory</td>
<td>0</td>
<td>$4,281,854</td>
</tr>
<tr>
<td>Radiation Laboratory</td>
<td>5</td>
<td>$3,047,059</td>
</tr>
<tr>
<td>Reilly Center for Science, Technology and Values</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Robinson Learning Center</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>South Bend Center for Medical Education</td>
<td>2</td>
<td>$66,688</td>
</tr>
<tr>
<td>TRIO Programs</td>
<td>6</td>
<td>$992,222</td>
</tr>
<tr>
<td>Walther Cancer Center</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6</strong></td>
<td><strong>$533,123</strong></td>
</tr>
</tbody>
</table>

#### From July 1, 2001 to March 31, 2002

<table>
<thead>
<tr>
<th>Centers and Institutes</th>
<th>AWARDS</th>
<th>PROPOSALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Amount</td>
<td>No.</td>
</tr>
<tr>
<td>Alliance for Catholic Education</td>
<td>4</td>
<td>$268,583</td>
</tr>
<tr>
<td>Center for Astrophysics</td>
<td>3</td>
<td>$31,980</td>
</tr>
<tr>
<td>Center for Environmental Science and Technology</td>
<td>1</td>
<td>$20,000</td>
</tr>
<tr>
<td>Center for Flow Physics and Control</td>
<td>11</td>
<td>$599,690</td>
</tr>
<tr>
<td>Center for Molecularly Engineered Materials</td>
<td>2</td>
<td>$90,000</td>
</tr>
<tr>
<td>Center for Orphan Drug Development</td>
<td>1</td>
<td>$20,000</td>
</tr>
<tr>
<td>Center for Transgene Research</td>
<td>3</td>
<td>$940,875</td>
</tr>
<tr>
<td>Center for Tropical Disease Research and Training</td>
<td>4</td>
<td>$531,308</td>
</tr>
<tr>
<td>Environmental Research Center</td>
<td>1</td>
<td>$41,500</td>
</tr>
<tr>
<td>Freimann Life Science Center</td>
<td>4</td>
<td>$43,838</td>
</tr>
<tr>
<td>Higgins Labor Research Center</td>
<td>1</td>
<td>$98,911</td>
</tr>
<tr>
<td>Institute for Educational Initiatives</td>
<td>2</td>
<td>$51,383</td>
</tr>
<tr>
<td>Institute for Latino Studies</td>
<td>4</td>
<td>$2,204,913</td>
</tr>
<tr>
<td>Jacques Maritain Center</td>
<td>1</td>
<td>$30,000</td>
</tr>
<tr>
<td>John A. Kaneb Center for Teaching and Learning</td>
<td>1</td>
<td>$46,100</td>
</tr>
<tr>
<td>Kellogg Institute for International Studies</td>
<td>6</td>
<td>$1,215,780</td>
</tr>
<tr>
<td>Keough Institute for Irish Studies</td>
<td>1</td>
<td>$39,000</td>
</tr>
<tr>
<td>Laboratory for Image and Signal Analysis</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Lobund Laboratory</td>
<td>1</td>
<td>$72,128</td>
</tr>
<tr>
<td>Mendelson Center for Sport, Character, and Culture</td>
<td>1</td>
<td>$18,446</td>
</tr>
<tr>
<td>Nano Science and Technology Center</td>
<td>9</td>
<td>$714,142</td>
</tr>
<tr>
<td>Nuclear Structure Laboratory</td>
<td>0</td>
<td>$4,281,854</td>
</tr>
<tr>
<td>Radiation Laboratory</td>
<td>5</td>
<td>$3,047,059</td>
</tr>
<tr>
<td>Reilly Center for Science, Technology and Values</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Robinson Learning Center</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>South Bend Center for Medical Education</td>
<td>2</td>
<td>$66,688</td>
</tr>
<tr>
<td>TRIO Programs</td>
<td>6</td>
<td>$992,222</td>
</tr>
<tr>
<td>Walther Cancer Center</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>74</strong></td>
<td><strong>$12,419,341</strong></td>
</tr>
</tbody>
</table>
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

March 1, 2002 through March 31, 2002

Awards for Research

Center for Flow Physics and Control

Jumper, Eric J.
An Experimental Study of Trailing Edge Noise
Department of Navy
$100,000 24 months

Freimann Life Science Center

Thomas, Flint O.; Corke, Thomas C.
In Vivo Evaluation of a Porcine-Derived Biomaterial
Cook Biotech, Inc.
$15,338 12 months

Jacques Maritain Center

McInerny, Ralph M.
Bradley Fellowship Programs for AY2002-03
Lynde and Harry Bradley Foundation
$30,000 12 months

Nano Science and Technology Center

Snider, Gregory L.; Merz, James L.
Near-Field Optical Investigation of Si/Ge Quantum Dots (MRSEC Seed Project)
University of Virginia
$39,485 12 months

Radiation Laboratory

Carmichael, Ian C.; Hug, Gordon L.; Chipman, Daniel M.; Meisel, Dan
The NOx System in Nuclear Waste
Department of Energy
$300,000 58 months

Awards for Instructional Programs

Institute for Educational Initiatives

Johnstone, Joyce V.
Cristo Rey Christian Service Program
W.K. Kellogg Foundation
$48,300 12 months

Proposals Submitted

March 1, 2002 through March 31, 2002

Proposals for Research

Center for Flow Physics and Control

Jumper, Eric J.
Adaptive Optics for Turbulent Shear Layers
Department of the Air Force
$261,593 36 months

Thomas, Flint O.
An Integrated Approach to Noise Source Identification and Control in Transonic Jet Flows
Department of the Air Force
$241,249 36 months

Corke, Thomas C.
Instability Measurement and Control in 3-D Supersonic Boundary Layers
Department of the Air Force
$341,625 36 months

Center for Molecularly Engineered Materials

Varma, Arvind; Kukasyan, Alexander S.; Shafiroyich, Evgeny
Ignition and Combustion of Single Complex Metal Particles Under Reduced-Gravity Conditions
National Aeronautics and Space Administration
$589,752 48 months
Center for Tropical Disease Research and Training

Hager, Kristin M.
Analysis of Membrane Trafficking Events in the Regulation of Organelle Biogenesis and Stability of Apicomplexan Parasites
The Ellison Medical Foundation
$200,000
12 months

Lobund Laboratory

Schulman, Alexis A.; Suckow, Mark A.; Pollard, Morris
The Role of Cyclooxygenase-2 and its Inhibition in Prostate Adenocarcinoma
Pfizer Inc.
$50,000
12 months

Radiation Laboratory

LaVerne, Jay A.
Subsurface Reactivity and Radiolysis of Transuranium Oxides
Argonne National Laboratory
$234,182
36 months

Reilly Center for Science, Technology and Values

Alpert, Sheri
Genechips and HIPAA: How the Genome will be Handled Under the Federal Medical Privacy Regulations
Department of Energy
$32,429
12 months

Proposals for Instructional Programs

Center for Tropical Disease Research and Training

Fraser, Malcolm J.
Transgenic Engineering of Aedine Mosquitoes
National Institutes of Health
$374,124
12 months

Institute for Educational Initiatives

Johnstone, Joyce V.
Title II: Improving Student Achievement Through Effective Teaching
Indiana Professional Standards Board
$91,767
12 months