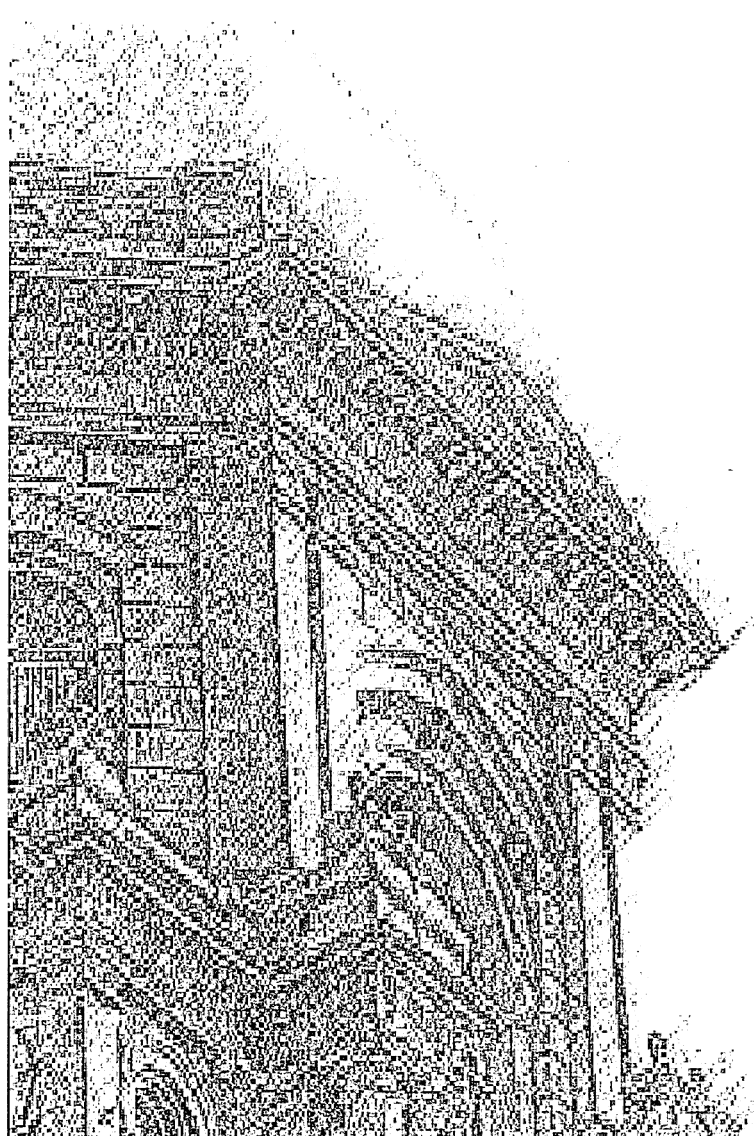


Notre Dame Report



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The University

Academic Apparel Rental

Measurements for academic apparel for the May 2004 Commencement Exercises will take place on Tuesday and Wednesday, April 13 and 14, ONLY from 9:30 a.m. to 7:00 p.m., at the Hammes Notre Dame Bookstore in the Eck Center. The rental of a doctoral cap, gown, and hood is \$45. Faculty who received a Ph.D. or law degree from Notre Dame may rent the Notre Dame doctoral cap, gown, and hood. The rental fee is \$95. The rental of a cap, gown, and hood for the master's degree is \$42.

Magazine Wins Award

Notre Dame Business magazine was honored with a Platinum Award at the 2003 League of American Communications Professionals competition, ranking 85th out of the top 100 entrants.

Faculty Notes

Honors

Kevin J. Christiano, associate professor of sociology, was named to the international *Comité consultatif* (the board of editorial consultants of *Mens: Revue d'histoire intellectuelle de l'Amerique française*, published in Sainte-Foy, Québec by Les Presses de l'Université Laval).

Jeffrey C. Kantor, vice president for graduate studies and research and dean of the Graduate School, was elected an at-large director of the Indiana Health Industry Forum.

Activities

John Blacklow, assistant professor of piano, was featured in a live radio broadcast on *In Tune*, a classical program on BBC-3 in London, Feb. 20, including an interview with host Sean Rafferty and a performance; and performed on the Master Series in London's Wigmore Hall, with violinist Jennifer Frautschi, on Feb. 22.

Seth Brown, associate professor of chemistry and biochemistry, presented an invited seminar "Alkene Activation by Osmium Nitrides" at the Massachusetts Institute of Technology, Cambridge, March 9–11.

Patricia Clark, the Luce Professor of Biochemistry, presented the invited seminar "Folding Mechanisms for β -Sheet Proteins with High Contact Order Structures" at Johns Hopkins Univ., Feb. 13–14.

Stephen M. Fallon, associate professor in the Program of Liberal Studies, presented "Revising the Gospel and Self-Representation in *Paradise Regained*" and "Rehearsing Self-Representation: Milton's 1633 'Letter to a Friend'" at the "International Milton Congress," Duquesne Univ., Pittsburgh, March 11–13.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, presented the following invited lectures for the Organic Chemistry Division section of the Conférence Univ. de Suisse Occidentale in Switzerland, March 8–12: March 8, Univ. Bern, "Novel Multifunctional Nanoarchitectures in Energy Conversion"; March 9,

EPFL Lausanne, "Multifunctional Nanoarchitectures"; March 10, Univ. of Neuchâtel, "Integration of Fullerenes and Nanotubes into Nanoarchitectures"; March 11, Univ. of Fribourg, "Supramolecular Fullerene—and Nanotube-Architectures in Energy Conversion"; and March 12, Univ. of Neuchâtel, "Nanotubes—Versatile Platform for Donor-Acceptor Chemistry."

Marya Lieberman, associate professor of chemistry and biochemistry, presented the invited seminar "Molecular Quantum-Dot Cellular Automata" at the University College of Dublin and at Dublin Univ., Ireland, March 15–21.

Teresa Godwin Phelps, professor of law, presented the plenary lecture "What's the Use of Stories? Narrative and Legal Writing," at the "Rocky Mountain Legal Writing Conference," Univ. of Nevada at Las Vegas, March 6.

Morris Pollard, the Coleman Professor emeritus and director of the LOBUND Laboratory, presented "Prevention of Hormone-Refractory Prostate Cancer" as the monthly lecture at the Van Andel Research Institute, Grand Rapids, March 17.

Margaret Shackell-Dowell, assistant professor of accountancy, presented "Incentives, Performance Measurement, and Delegation: An Empirical Analysis of Interdependencies in Organizational Architecture," written with E. Demers and S. Widener, at the "Accounting and MIS Thomas J. Burns Research Colloquium," Ohio State Univ., Feb. 27.

Henry M. Weinfeld, professor in the Program of Liberal Studies, presented "Adam's Lament and the Book of Job" at the "International Milton Congress," Duquesne Univ., Pittsburgh, March 11-13

Carolyn Woo, the Gillen Dean and Siegfried Chair in Entrepreneurial Studies, presented "Business, Catholic Values and the Common Good: Harmony or Discord" at Sacred Heart Parish, Notre Dame, March 16.

Publications

Robert Audi, the Gallo Professor of Business Ethics and Professor of Management and of Philosophy, published *The Good in the Right: A Theory of Intuition and Intrinsic Value* (Princeton Univ. Press, 2004): 244 pp.

E. Jane Doering, professional specialist and concurrent assistant professor of Core, published "*Déclarations des droits et des devoirs: problèmes contemporains à la lumière de Simone Weil*" in *Cahiers Simone Weil Tome XXVI*, Sept. 3.

John F. Gaski, associate professor of marketing, published "The Mismarketing of a President," *Chicago Tribune*, Sec. 2 (March 14): 9.

Mary Prorok, research associate professor of chemistry and biochemistry, published

"A New Mechanism for Metal Ion-Assisted Interchain Helix Assembly in a Naturally Occurring Peptide Mediated Optimally Spaced γ -Carboxyglutamic Acid Residues" with Q. Dai and **Francis J. Castellino**, dean emeritus of Science and the Kleiderer-Pezold Professor of Chemistry and Biochemistry, *Journal of Molecular Biology* 336 (2004): 731-744.

Edward Vasta, professor emeritus of English, published *Mud Pie Mysteries: Tales about Children in God's World* (Bloomington: AuthorHouse, 2004).

In Memoriam

Ursula M. Williams, director of the Language Resource Center and concurrent associate professional specialist in the Department of German and Russian Languages and Literatures, died March 17 in South Bend.

Administrators' Notes

Publications

Alan S. Bigger, director of Building Services, published "Spring has Sprung, the Grass is Riz. . ." *Executive Housekeeping Today* 24, No. 3 (2004): 6, 8; and "Restroom Technology Paying Off" with L. B. Bigger, *Maintenance Solutions* (March): 23-24.

Documentation

Faculty Board on Athletics

February 10, 2004

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

Member Absent: Dr. Kevin White.

Observers Present: Ms. Missy Conboy and Mr. Bernard Muir, both of the Department of Athletics; Ms. Kitty Hoye, recorder.

Guest present: Ms. Jill Bodensteiner, associate vice-president and counsel.

1. Call to order and prayer: The Chair called the meeting to order at 4:45 p.m. Father Poorman led the group in prayer.

2. Minutes of previous meeting: A motion to approve the minutes for the meeting of December 1, 2003, was made, seconded, and unanimously approved.

3. Announcements: The Chair announced that he had approved, on the Board's behalf, a change in the schedule for men's tennis; the match against Southern Methodist University at home has been moved from Saturday, April 10, to Sunday, February 22. This amendment carries no class-miss implications. The Chair announced that he had approved the following team schedules: indoor track (men and women) (Spring 2004); outdoor track (men and women) (Spring 2004). Although the latter schedule lists meets on more than three days in the Monday-Wednesday-Friday

sequence, no individual student-athlete will miss more than three days in that sequence. The Chair alerted the Board to a possible difficulty in the schedule for women's soccer (Fall 2004). The reduction in the number of members of the Big East Conference has eliminated divisional play. As a result, the team's schedule calls for competition on four days in the Monday-Wednesday-Friday sequence. Head coach Randy Waldrum has asked the Big East to move one away weekend to Fall break.

For the record, the Chair listed the captains for football for the 2003 season: Darrell Campbell, Vontez Duff, Omar Jenkins and Jim Molinaro. These four had been selected from a previously approved slate of captains and were announced at the football banquet on December 12. The Chair announced that he had approved captains for women's lacrosse (Andrea Kinnik and Meredith Simon).

A University regulation requires grant-in-aid student-athletes who wish to live off campus during their senior year to meet one or another grade-point-average threshold. The Board does not hear appeals regarding this regulation unless the Chair finds "extraordinary personal circumstances." The Chair announced to the Board that he had denied an appeal by [a student-athlete], whose grounds for appeal did not meet this criterion.

At this point, the Board ratified the decisions announced by the Chair.

The Chair then asked the subcommittee on academic integrity to consider whether the criteria for the Byron V. Kanaley Award should be expanded to allow applications by fifth-year student-athletes as well as "senior monogram winners," the existing criterion. The current requirement seems intended only to prevent early or multiple awards and, in any event, arose at a time when fifth-year competition rarely occurred.

The Chair next brought up an issue regarding the scheduling of competition during Commencement Weekend. Earlier this semester, the Chair reported, the possibility that our baseball team might need to compete during the Commencement ceremony arose. Happily, that possibility dissolved when the game involved got scheduled for

7:00 p.m. Commencement evening. Nonetheless, the Chair, noting that University regulations did not address competition or practice on Commencement Weekend, wondered whether that situation should continue. Upon the Chair's recommendation, the Board asked the subcommittee on student welfare to look into this question.

4. NCAA Certification Process: Ms. Jill Bodensteiner, associate vice-president and counsel, reported on the NCAA certification process at Notre Dame. That process began in October 2002, at which time Ms. Carol Kaesebier, vice-president and general counsel, became Chair of the Certification Steering Committee. She formed four subcommittees mirroring the four areas of review established by the NCAA: fiscal integrity; academic integrity; governance and commitment to rules compliance; and equity, welfare and sportsmanship. The four subcommittees conducted the required self-study from October 2002 through July 2003, at which time they submitted draft reports to the Steering Committee for review. From July 2003 through November 2003, Ms. Jill Bodensteiner and Ms. Sandy Barbour, serving as "primary report writers," worked with the Steering Committee and the subcommittees to review and revise the reports. Beginning in October 2003, the Steering Committee disseminated the draft reports throughout the Notre Dame community for review. The address of the newly created NCAA Certification Web page, which contained the draft reports, was provided to a variety of groups, including the Board of Trustees; all faculty, staff and students; student leaders; the Academic Council; the Faculty Senate; the Student-Athlete Advisory Council; and alumni and several subsets thereof. In addition, the Steering Committee hosted two "Town Hall" meetings—sparsely attended, alas—to discuss the NCAA certification process and the reports. The Steering Committee submitted the final reports to the NCAA on November 10, 2003. The NCAA's Peer Review Team made its on-site visit on January 18 through 20, 2004. The Peer Review Team comprised: Dr. Gerald Turner, Chair (president, Southern Methodist University) (governance); Dr. Percy Bates (faculty athletics representative, University of Michigan) (academic integrity); Jennifer Heppel (associate commissioner, Big Ten Conference) (compliance);

Chris Kennedy (associate athletics director, Duke University) (equity); and Terry Don Phillips (athletics director, Clemson University) (fiscal integrity). During its on-site visit, the Peer Review Team interviewed fifty-five individuals and reviewed more than seventy documents. On January 20, the Peer Review Team summarized its findings during an exit meeting that included Father Malloy, Dr. Kevin White, Prof. Dutile, Ms. Kaesebier and other University representatives. At that meeting, Dr. Turner stated that the Team had found accurate the information provided by the University; that there had been broad-based participation in the process; and that the University operated in conformity with the NCAA's operating principles. Father Malloy thanked the Team for its good work in connection with the certification process for Notre Dame. Father Malloy received the Team's written report on February 6, 2004. In sum, the Peer Review Team was extremely impressed with all aspects of the Notre Dame approach to intercollegiate athletics. The Team particularly applauded the academic services provided to student-athletes; the University's Statement of Principles for Intercollegiate Athletics; the University's compliance efforts; the integration of athletics-department fiscal matters into the University central fiscal system; and the athletics department's commitment to equity. The Peer Review Team, which will recommend to the NCAA that the University of Notre Dame be certified, offered three minor "opportunities for enhancement," two related to rules compliance and one related to the medical care provided to student-athletes. The University now has the opportunity to respond to the Peer Review Team's findings, a response due to the NCAA by March 3, 2004. At this point, the Chair singled out for special thanks Ms. Bodensteiner and Ms. Sandy Barbour for the difficult work involved in preparing the Self-Study. He also thanked Ms. Bodensteiner for her report to the Board.

5. Update on conference affiliation, the BCS, television contracts and related matters: [At this point the Chair led an extensive Board discussion regarding conference affiliation, the Bowl Championship Series, television contracts and related matters. As widely reported in the press, 1) Notre Dame will "stay the course" with regard

to membership in the Big East and with regard to "football independence," but will continue to "monitor the landscape;" and 2) the University has executed a five-year extension of its contract with NBC.]

6. Proposal for Faculty Board on Athletics Listserv: Prof. Fallon, who chairs the subcommittee on communication, distributed to the group copies of a revised proposal for a Faculty Board Listserv (see Appendix). Prof. Fallon emphasized that the proposal does not anticipate displacing discussion at regular meetings; the Listserv is designed for those routine matters currently handled through e-mail votes. He added that the revised proposal incorporated some changes suggested by Prof. Barrett with regard to "observing" and "non-observing" members. Finally, Prof. Fallon shared with the Board Prof. Barrett's hesitation concerning the provision that members be required to delete relevant listserv messages from their computers after each vote. Prof. Barrett's main concern involved the number of members required to send an issue to a conference call or to a regular meeting. The current proposal allows two members to do so; should it be higher? Prof. Barrett urged a larger number as a threshold. A larger number would not present that difficult a hurdle, he argued, since one does not have to agree with the viewpoint at issue in order to support a full discussion. Trumping a Listserv vote should require four or five proponents; a number as low as two could bring the entire Board to a halt. In setting a lower threshold, Prof. Mosley noted, the subcommittee sought to make the point that the Listserv should not replace meetings. The subcommittee intended to preserve the "comfort level." Prof. Garg deemed a low threshold appropriate; if an e-mail vote troubles even one or two members, that should suffice. We should assume that most Board members do not seek to stymie the Board. The Chair indicated his strong support for a Listserv. Nonetheless, he agreed with Prof. Barrett that the low threshold, at some time in the future not now anticipated, could create a problem. Moreover, at least someone has to preserve the messages for some period of time; we need a record should there be vote challenges or other reasons to ascertain what was "said" on the Listserv. The Chair made two further points: 1) since the Chair has the discretion whether to have recourse

to the Listserv to begin with, the Chair should have full discretion to withdraw the issue from the Listserv without the required vote; and 2) the conference-call option should be available not just during the summer but throughout the year. After all, a time-sensitive issue might arise right after a regular Board meeting; in that case, a vote for Board discussion might require waiting a month or more for a decision. Allowing for a conference call at any time during the year, furthermore, made the issue of the number of votes needed to preclude an e-mail vote much less important. Board members conveyed their general agreement on these two proposals. Both Prof. Garg and Prof. Bender emphasized the importance of continuing to hold regular meetings. Meetings, Prof. Bender added, changed the dynamics of things. Something positive emanates from the group coming together. Both Prof. Garg and Prof. Mosley emphasized that the Listserv system could be changed if, after a time, change seemed needed. Father Poorman moved that the Board adopt the proposal of the subcommittee, subject to the amendments generally agreed upon during today's discussion. Prof. Bender seconded the motion, which passed unanimously.

7. Report on the Conference on Religion, Ritual and Sport: Prof. Bender, who chairs the subcommittee on academic integrity, reported that the Conference on Religion, Ritual and Sport was now "a reality." The conference will take place during a football weekend this fall; every weekend except that of the game against Stanford University, when the Notre Dame Board of Trustees will meet on campus, is available. Invitations have been issued to potential keynote speakers.

8. Report on the process for approval of petitions for a fifth year of eligibility: Prof. Bender, for the subcommittee on academic integrity, reported that applications for a fifth year of eligibility could now be filed "online." The required forms, for both coaches and student-athletes, can be executed and downloaded on the web page maintained by the Office of Academic Services for Student-Athletes. Mr. Holmes, director of that office, gave a "hands-on" demonstration of the web page. In response to the Chair's inquiry as to whether the site was encrypted, Prof.

Bender answered in the affirmative. Significant changes, he added, were made to last year's process. The current form seeks more evaluative information from the coach and seeks more extensive information from the student-athlete regarding academic objectives. The fifth-year process implicates three categories of student-athletes: 1) undergraduates completing their degrees; 2) students in graduate-degree programs; and 3) "unclassified" graduate students. The third category, Prof. Bender remembered, has caused the most concern over the years. The subcommittee on academic integrity will, therefore, interview each student-athlete in the third category. Student-athletes in the second semester of their fifth year have also been problematic, especially in football, in which competition ends after the first semester. How do we best ensure academic integrity of that fifth-year, second-semester student? Finally, Prof. Bender noted, we need to "streamline," and underscore our commitment to, the fifth-year process. Mr. Muir: On the head coaches' form appear three open-ended questions; what more than "help the team" do you want? Prof. Bender: We would want the coach to comment as well on the academic side of the proposal. Mr. Muir: The student-athlete will spell that out. Prof. Bender: Coaches should, also. Prof. Mosley suggested that a better question might ask whether the student-athlete has discussed the academic plan with the coach. She then asked whether any faculty member is eligible to sign the form or whether someone in the student-athlete's major is required. Don't unclassified graduate students raise a problem in this regard? Prof. Bender: That is why this group of student-athletes will be interviewed by the subcommittee. Father Poorman agreed that unclassified graduate students present the biggest problem. For example, a student-athlete who has completed a degree in theology and now wishes to take business courses at the graduate level – does a business professor sign off on that form or a theology professor who in fact knows the student? The unclassified group has no regular advisor. A personal interview by members of the subcommittee on academic integrity will be a big help. Prof. Pope-Davis noted that unclassified graduate students typically are not required to have an advisor. Student-athletes in that

category, however, are required to meet with an advisor and in the past he, Prof. Pope-Davis, has served in that capacity. It is easy to institutionalize this in the graduate school. To lighten the load on the subcommittee, the Chair proposed forgoing the personal interview in "clear cut" cases. Prof. Bender agreed with that suggestion. Prof. Weber indicated his concerns with regard to the second semester of the fifth year. Mr. Holmes agreed that sometimes student-athletes focus only on athletic training during that semester. They enroll for one course in order to be a funded student-athlete, and occasionally attend no classes, thus causing havoc. Fortunately, the percentage of such student-athletes is small. Prof. Weber, conceding his mistaken impression that the percentage was much higher, nonetheless emphasized that for the type of student-athlete described, the second semester of the fifth year had no real academic purpose. He urged the Board to recognize that for such student-athletes, the second semester was not academically respectable. The past ten of eleven student-athletes in the spring semester have been football players training for NFL "combines." Let's call that situation what it is and then try to make it better. The Chair noted one difference, however, between the second semester and the first: in the second semester the student-athlete does not represent Notre Dame on the field. Prof. Fallon urged that the application process require two letters: one from someone who knows the student-athlete now and the other from someone to whom the student-athlete has talked regarding the future. Prof. Barrett reminded the Board that the department of athletics approves football players only on a semester-by-semester basis; this does provide significant leverage regarding academic performance. Mr. Muir added that any fall sport would present the same situation; enforcement is the key. In answer to the Chair's question, Board members indicated their assent to use of the new form. Prof. Pope-Davis observed that the NCAA Peer Review Team had high praise for the extent to which we had the first semester of the fifth year under control; we are far and away ahead of our peer institutions.

9. Adjournment: At this point Dr. Cullinan moved that the meeting be adjourned; Prof. Barrett seconded. There was no dissenting vote. The meeting adjourned at 6:55 p.m.

APPENDIX

Proposal for FBA Listserv and Conference Call Option for Votes between Meetings

February 9, 2004

Given that members of the Faculty Board on Athletics are asked on occasion to vote between meetings on pressing matters (e.g., competition schedule changes, fifth-year eligibility, appeals for additional missed-class days, off-campus residency appeals, and award recommendations), the Communications Subcommittee recommends that the Board put in place the following mechanism for consultation among members between meetings.

The Communications Subcommittee will set up a listserv with membership limited to voting and non-voting members of the Faculty Board on Athletics and to the regularly observing Associate Athletics Directors. The Chair of the Faculty Board will serve as list administrator. Because of the confidentiality of some of the Board's votes, the listserv will **not** be archived.

When asking for a vote on any matter, the Chair will set a firm deadline for a vote, no sooner than 2 full business days later. In the intervening time, members may post to the listserv questions or comments.

At any time before the deadline set by the Chair, members may vote on the matter at hand. They should do so by a message to the listserv clearly marked "**Vote**" in the subject line. Members may change their votes up until the deadline, when the vote becomes final.

After the vote, members will clear from their e-mail boxes messages relating to the vote.

While the e-mail discussion made possible by the listserv will represent an improvement over our current system, in which, in most cases, each member communicates only with the Chair, members may find necessary and appropriate for some cases the real-time discussion possible in a regularly scheduled meeting or, between the last spring and the first fall meetings, a telephone conference call. Voting members may request by message to the list that a vote be deferred to a regularly scheduled

meeting or, during the summer, a conference call. Such messages should be clearly marked "**request for discussion**" in the subject line. The vote will be deferred to a meeting or conference call if 2 or more members request a deferral.

John Borkowski

Steve Fallon

Layna Mosley

FBA Communications Subcommittee

Research

Awards and Proposal Summary

02/01/2004 to 02/29/2004

Awards Received

Category	No.	Amount
Research	14	\$3,536,762
Total:	14	\$3,536,762

Proposals Submitted

Category	No.	Amount
Research	68	\$22,430,262
Instructional Programs	1	\$131,012
Total:	69	\$22,561,274

February 2004 Cumulative summary

Awards Received

Category	07.01.2001 - 02.28.2002		07.01.2002 - 02.28.2003		07.01.2003 - 02.29.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	253	\$31,556,900	228	\$36,340,662	246	\$37,921,158
Facilities and Equipment						
Instructional Programs	9	\$1,184,402	10	\$1,333,710	8	\$1,166,443
Other Programs					1	\$62,500
Service Programs						
Total:	262	\$32,741,302	238	\$37,674,372	255	\$39,150,101

Proposals Submitted

Category	07.01.2001 - 02.28.2002		07.01.2002 - 02.28.2003		07.01.2003 - 02.29.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	479	\$169,656,133	389	\$107,996,888	516	\$188,811,534
Facilities and Equipment						
Instructional Programs	7	\$4,663,018	7	\$3,253,080	3	\$219,545
Other Programs						
Service Programs						
Total:	486	\$174,319,151	396	\$111,249,968	519	\$189,031,079

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

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

Awards received during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Bowling, Alan P.	CAREER: Agility in Legged Locomotion	National Science Foundation	\$75,784	48
Department or Office:	Anthropology			
Gaffney, Patrick D.	Assistant Professor in Japanese Anthropology	Private funding	\$20,591	45
Department or Office:	Biological Sciences			
Kulpa, Charles F. (Center or Institute)	Microbial Films for Analysis in APS by Argonne Personnel	Argonne National Laboratory	\$10,000	68
Schorey, Jeffrey S. (Center or Institute)	Macrophage Signaling Upon M. Avium Infection	National Institutes of Health	\$287,500	60
Streit, Thomas G	FIRST STEPS: Eliminating Lymphatic Filariasis in Haiti	Private funding	\$861,300	72
Whaley, Michelle A	REU Site Program for Undergraduate Research in Cellular and Molecular Biology	National Science Foundation	\$61,486	36
Department or Office:	Career and Placement Services			
Svete, Lee J.	Initiative to Promote Opportunity through Educational Collaborations	Private funding	\$1,000,000	61
Department or Office:	Chemistry and Biochemistry			
Barkai, Eli	CAREER: Theoretical Aspects of Single Molecule Spectroscopy: Control, Tracking, and Unraveling Dynamical Events in the Condensed Phase:	National Science Foundation	\$115,000	60

Awards received during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Miller, Marvin J.	Design, Syntheses and Studies of Novel Antituberculous Agents	National Institutes of Health	\$344,451	48
Department or Office: English				
Fox, Christopher (Center or Institute)	Anglo-Irish Identities: 1600-1800	National Endowment for the Humanities	\$4,638	19
Department or Office: Physics				
Barabasi, Albert-Laszlo	The Topologic Properties of Metabolic Networks	National Institutes of Health	\$466,012	12
Department or Office: Political Science				
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Notre Dame-Instituto Estudios Peruanos-Instituto Estudios Superiores de Administration	U.S. Department of State	\$100,000	36
Department or Office: Sociology				
Cardenas, Gilberto (Center or Institute)	Children and Families in Latino Communities	Private funding	\$150,000	12
Department or Office: Theology				
Cavadini, John C. (Center or Institute)	Faith Formation Leadership Program	Private funding	\$40,000	12

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Jumper, Eric J.	Aero-Optical Modeling and Validation for HEL Systems	Corporate funding	\$243,591	12
Jumper, Eric J.	High-Bandwidth MEMS Mirrors for Atmospheric Compensation	Corporate funding	\$46,994	21
Morris, Scott C.	Development of a Microsonic Anemometer	University of Utah	\$106,578	28
Niebur, Glen L. Ovaert, Timothy C.	Growth of Trabecular Bone Damage Due to Off-axis Loads	National Institutes of Health	\$299,060	12
Ovaert, Timothy C.	Mechanical Characterization of Bone Tissue via Nanoindentation	I.U. School Medicine	\$3,300	5
Renaud, John E. Madey, Gregory R.	Enterprise-wide Web Services for Distributed Multilevel System Design	National Science Foundation	\$682,962	36
Skaar, Steven B.	Exhaustive Camera Coverage and Inspection of an Auto Body Panel	Corporate funding	\$29,250	12
Department or Office:	Biological Sciences			
Besansky, Nora J.	Ecological Genomics of Anopheles gambiae	National Institutes of Health	\$613,713	12

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$5,531	9
Ferdig, Michael T.	Discovering the Transcriptional Networks of Multiple Drug Resistant Malaria	Private funding	\$200,000	12
Fraser, Malcolm J. Severson, David W. Collins, Frank H.	Developing Site-Specific Recombinases for Transgenesis and Functional Genomics in Mosquitoes	National Institutes of Health	\$457,959	12
Hinchcliffe, Edward H.	Mechanisms of Centrosome Reproduction in Animal Cells	National Institutes of Health	\$350,000	12
Hoover, Hye E. D'Souza-Schorey, Crislyn	Molecular Mechanisms of Mutant Huntingtin Aggregation	Private funding	\$47,000	24
Li, Lei	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$259,875	12
Lodge, David M. Leung, Brian	Integrating Economics and Biology for Bioeconomic Risk Assessment/Management of Invasive Species in Agriculture	University of Wyoming	\$25,000	24

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
McDowell, Mary A.	Interleukin-12 Regulation in Leishmania Infected Human Dendritic Cells	National Institutes of Health	\$362,500	12
Severson, David W. Streit, Thomas G. Romero-Severson, Jeanne	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$677,633	12
Suckow, Mark A.	Prevention of Prostate Cancer by Vaccination	Department of Defense	\$562,192	36
Tenniswood, Martin	Histone Deacetylase Inhibitors as Novel Therapeutics for Prostate Cancer	Department of Defense	\$562,500	36
Department or Office:	Chemical and Biomolecular Engineering			
Brennecke, Joan F.	Measurement and Engineering Research and Standards	National Institute Standards & Technology	\$7,300	6
Brennecke, Joan F. Stadtherr, Mark A.	Subcontract from the Center for Environmentally Benign Catalysis	University of Kansas	\$30,980	6
Maginn, Edward J.	Use of Ionic Liquids for Capture of Carbon Dioxide Emissions from Coal-Fired Power Plants	Private funding	\$75,462	33

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Chemistry and Biochemistry			
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$408,200	12
Hartland, Gregory V.	Investigation of Size Dependent Optical Properties of Metallic Nanoparticles	Private funding	\$16,000	24
Helquist, Paul	Enantioselective Iron-Catalyzed C-H Insertion Reactions	Private funding	\$120,000	36
Lieberman, Marya	Molecular Circuitboard: Design, Synthesis, and Defects in Circuits Based on DNA Tiles	National Science Foundation	\$538,748	36
Miller, Marvin J.	Bioactive Compounds from Acylnitroso Cycloadducts	National Institutes of Health	\$294,030	12
Mobashery, Shahriar	Penicillin-Binding Proteins, Mechanism and Inhibition	National Institutes of Health	\$220,894	12
Smith, Bradley D.	Chemical Agents that Affect Biomembrane Function	National Institutes of Health	\$267,300	12
Taylor, Richard E.	Polyketides: Synthetic and Biological Studies	National Institutes of Health	\$220,004	12

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Taylor, Richard E.	Conformation-Activity Relationships	National Institutes of Health	\$262,500	12
Department or Office:	Civil Engineering and Geological Sciences			
Jain, Jinesh C.	Phytoremediation of Phosphorus Contaminated Soils	Western Kentucky University	\$5,280	10
Neal, Clive R.				
Neal, Clive R.	Evolution of the Kerguelen LIP: Insights from Crystal Stratigraphy and Crystal Size Distribution	National Science Foundation	\$168,460	24
Department or Office:	Computer Science & Engineering			
Bowyer, Kevin W.	Subcontract to "Understanding Non-Contract Biometrics"	Colorado State University	\$967,852	60
Flynn, Patrick J.				
Chen, Danny Z.	Graph-Based Medical Image Segmentation in 3D and 4D	University of Iowa	\$102,763	12
Chen, Danny Z.	ITR-ASE-ECS-INT-DMC-S New Radiation Therapy Algorithms, Software, and Clinical Application	National Science Foundation	\$1,061,451	48
Hu, Xiaobo				
Flynn, Patrick J.	CISE Research Resources: Instrumentation for Multidimensional Imaging and Applications	National Science Foundation	\$400,000	12

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Striegel, Aaron	GIPSE: Grid Interface for Parameter-driven Simulation Environments	Department of Energy	\$296,924	36
Department or Office:	Electrical Engineering			
Antsaklis, Panos J.	Student Travel Grant: 43rd IEEE Conference on Decision and Control	National Science Foundation	\$10,000	12
Antsaklis, Panos J. Laneman, J. N. Haenggi, Martin	Distributed, Scalable, and Robust Algorithms for Sensor and Actuator Networks	National Science Foundation	\$748,424	36
Collins, Oliver M.	Signaling, Computation and Evolution	Private funding	\$74,980	24
Collins, Oliver M.	Coding Without Channel State Information	National Science Foundation	\$503,604	36
Collins, Oliver M.	A New and Important Application for Coding	National Science Foundation	\$446,270	36
Haenggi, Martin	Energy and Delay Balancing Strategies for Wireless Multihop Networks	National Science Foundation	\$302,943	36
Huang, Yih-Fang	Active Learning for Effective Classification and Signal Processing	National Science Foundation	\$485,183	61

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Jena, Debdeep	Semiconductor Quantum Dot Based Cellular Automata	Oak Ridge Associated Universities	\$5,000	12
Jena, Debdeep Lieberman, Marya	AlGaIn/GaN SAMFETs for Transparent Multifunctional Biosensors	National Science Foundation	\$750,000	36
Laneman, J. N. Costello, Daniel J. Fuja, Thomas E. Haenggi, Martin	ITR-(ASE + NHS)-(int): Delay-Constrained Multihop Transmission in Wireless Networks: Interaction in Coding, Channel Access, and Routing	National Science Foundation	\$1,386,367	48
Lemmon, Michael D. Talley, Jeffrey W.	SENSOR: Multi-Target Track in Multi-Hop Sensor Networks	National Science Foundation	\$353,065	36
Sauer, Ken D.	Conference on Ethics in Changing Energy Markets	Federal Energy Regulatory Commission	\$20,000	9
Seabaugh, Alan C.	Integrated Tunnel Diode and Out-of-Plane Inductor for Low Power Communications	National Science Foundation	\$498,495	36
Seabaugh, Alan C.	Sensors: Low Power RF Sensor Transceivers	National Science Foundation	\$374,850	36

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Snider, Gregory L.	Fabrication of Silicon-Based Tunnel Junctions for Nanoelectronics	National Science Foundation	\$213,020	36
Snider, Gregory L. Scheutz, Matthias J. Bauer, Peter H.	A Testbed for the Analysis and Evaluation of Ultra-Low Complexity Mobile Sensor Networks	National Science Foundation	\$749,722	36
Department or Office:	English			
Hart, Kevin J.	Religious Experience and English Poetry, 1633-1985	National Endowment for the Humanities	\$106,820	12
Department or Office:	History			
Bergen, Doris L.	Between God and Hitler: Military Chaplains in Nazi Germany	U.S. Institute of Peace	\$40,000	38
Department or Office:	Mathematics			
Nicholls, David P.	FRG: Collaborative Research: Fully Nonlinear, Three-Demensional, Surface Water Waves in Arbitrary Depth	National Science Foundation	\$5,000	4
Department or Office:	Philosophy			
Shrader-Frechette, Kristin	The Threshold Hypothesis and Radiobiology	National Science Foundation	\$276,998	48

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Physics				
Barabasi, Albert-Laszlo	Center for Studies in Endothelial Biomedicine	National Institutes of Health	\$88,000	12
Barabasi, Albert-Laszlo	Characterizing the Dynamics of Complex Networks	National Science Foundation	\$985,469	60
Barabasi, Albert-Laszlo	The Topologic Properties of Metabolic Networks	National Institutes of Health	\$714,434	12
LoSecco, John M. Tanner, Carol E.	Research on Practical Aspects of Optical Quantum Computing	National Science Foundation	\$707,597	36
Rettig, Terrence W.	A Search for H3+ and CH4 in the Extended Atmosphere of Exoplanet HD209458b	Jet Propulsion Laboratory	\$9,800	12
Ruggiero, Steven T.	Dilutely Doped Al for Nanoscale Device Applications	Department of Energy	\$738,115	36
Department or Office: Political Science				
Coppedge, Michael J.	Doctoral Dissertation Research: The Participatory Effectiveness of Grassroots Rural Movements: A Comparative Analysis of Brazil, Chile and Ecuador	National Science Foundation	\$7,500	12

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Borkowski, John G.	Research Training in Mental Retardation	National Institutes of Health	\$50,700	12
Borkowski, John G. Cummings, E. M.	Promoting Healthy Families: Resolving Marital Conflict and Improving Marital Practices	Private funding	\$695,870	17
Department or Office: Radiation Laboratory				
LaVerne, Jay A.	Radiolytic Decomposition of Water at Zirconia Interfaces	Corporate funding	\$82,250	12

Proposals for Instructional Programs

Department or Office: Theology				
Matovina, Timothy M. Cummings, Kathleen S.	Catholics and the Road to American Citizenship, 1820 to the Present	National Endowment for the Humanities	\$131,012	15

Awards and Proposal Summary

Centers and Institutes Report

02/01/2004 to 02/29/2004

Awards Received

Department or Office	No.	Amount
Center for Environmental Science and Technology	1	\$10,000
Center for Tropical Disease Research & Training	1	\$287,500
Institute for Church Life	1	\$40,000
Institute for Latino Studies	1	\$150,000
Kellogg Institute for International Studies	1	\$100,000
Keough Institute for Irish Studies	1	\$4,638
Total:	6	\$592,138

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	1	\$748,424
Center for Astrophysics	1	\$9,800
Center for Children and Families	1	\$695,870
Center for Flow Physics and Control	3	\$397,163
Center for Transgene Research	1	\$408,200
Center for Tropical Disease Research & Training	5	\$2,311,805
Center for Zebrafish Research	1	\$259,875
Cushwa Center for American Catholicism	2	\$237,832
Freimann Life Science Center	1	\$562,192
Kroc Institute for International Peace Studies	1	\$40,000
Nano Science and Technology Center	5	\$2,374,835
Radiation Laboratory	1	\$82,250
Walther Cancer Institute Chair I	2	\$482,504
Total:	25	\$8,610,750

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 02/29/2004

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$61,600
Center for Astrophysics	3	\$204,262
Center for Children and Families	3	\$1,909,082
Center for Civil and Human Rights	1	\$176,825
Center for Environmental Science and Technology	2	\$20,000
Center for Flow Physics and Control	12	\$682,517
Center for Molecularly Engineered Materials	3	\$1,933,859
Center for Social Concerns	1	\$63,500
Center for Transgene Research	2	\$977,376
Center for Tropical Disease Research & Training	7	\$1,781,397
Center for Zebrafish Research	2	\$428,310
Environmental Molecular Science Institute	1	\$1,200,000
Environmental Research Center	1	\$1,505
Freimann Life Science Center	1	\$12,000
Institute for Church Life	4	\$114,338
Institute for Latino Studies	7	\$292,271
Jacques Maritain Center	1	\$30,000
Kellogg Institute for International Studies	5	\$412,507
Keough Institute for Irish Studies	1	\$4,638
Lobund Laboratory	1	\$31,000
Nano Science and Technology Center	17	\$2,415,627
Nanovic Institute	1	\$1,500
Nuclear Structure Laboratory	1	\$51,150
Radiation Laboratory	4	\$944,163
Robinson Community Learning Center	1	\$496,750
South Bend Center for Medical Education	1	\$240,003
TRIO Programs	3	\$1,076,707
Walther Cancer Research Center	1	\$194,955
Total:	88	\$15,757,842

Proposals Submitted

Department or Office	No.	Amount
Center for Applied Mathematics	2	\$1,832,979
Center for Astrophysics	9	\$2,496,971
Center for Children and Families	3	\$2,118,786

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 02/29/2004

Department or Office	No.	Amount
Center for Civil and Human Rights	1	\$494,047
Center for Environmental Science and Technology	1	\$1,831,352
Center for Flow Physics and Control	18	\$5,053,592
Center for Microfluidics and Medical Diagnostics	2	\$2,392,551
Center for Molecularly Engineered Materials	4	\$1,112,015
Center for Transgene Research	7	\$1,940,567
Center for Tropical Disease Research & Training	16	\$7,734,841
Center for Zebrafish Research	6	\$1,858,930
Chemical and Biomolecular Engineering	1	\$75,250
Cushwa Center for American Catholicism	2	\$237,832
Environmental Molecular Science Institute	1	\$120,000
Environmental Research Center	5	\$959,254
Freimann Life Science Center	5	\$2,558,261
Institute for Church Life	2	\$80,709
Institute for Latino Studies	10	\$1,060,610
Interdisciplinary Center for the Study of Biocomplexity	2	\$2,710,010
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	6	\$444,258
Laboratory for Social Research	1	\$921,225
Lobund Laboratory	2	\$391,135
Mendelson Center for Sports, Character, & Community	2	\$634,186
Nano Science and Technology Center	29	\$38,190,056
Nuclear Structure Laboratory	1	\$17,050
Radiation Laboratory	4	\$17,795,790
Walther Cancer Institute Chair I	2	\$482,504
Walther Cancer Research Center	4	\$620,664
Total:	149	\$96,465,163

Awards received during the period Feb-01-2004 to Feb-29-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	Center for Environmental Science and Technology			
Kulpa, Charles F. (Center or Institute)	Microbial Films for Analysis in APS by Argonne Personnel	Argonne National Laboratory	\$10,000	000360-001
Department or Office:	Center for Tropical Disease Research & Training			
Schorey, Jeffrey S. (Center or Institute)	Macrophage Signaling Upon M. Avium Infection	National Institutes of Health	\$287,500	006201-001
Department or Office:	Institute for Church Life			
Cavadini, John C. (Center or Institute)	Faith Formation Leadership Program	Private funding	\$40,000	006199-001
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto (Center or Institute)	Children and Families in Latino Communities	Private funding	\$150,000	005852-001
Department or Office:	Kellogg Institute for International Studies			
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Notre Dame-Instituto Estudios Peruanos-Instituto Estudios Superiores de Administration	U.S. Department of State	\$100,000	006198-001
Department or Office:	Keough Institute for Irish Studies			
Fox, Christopher (Center or Institute)	Anglo-Irish Identities: 1600-1800	National Endowment for the Humanities	\$4,638	005887-001

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Applied Mathematics			
Antsaklis, Panos J.	Distributed, Scalable, and Robust Algorithms for Sensor and Actuator Networks	National Science Foundation	\$748,424	04080491
Laneman, J. N.				
Haenggi, Martin				
Department or Office:	Center for Astrophysics			
Rettig, Terrence W.	A Search for H3+ and CH4 in the Extended Atmosphere of Exoplanet HD209458b	Jet Propulsion Laboratory	\$9,800	04080485
Department or Office:	Center for Children and Families			
Borkowski, John G.	Promoting Healthy Families: Resolving Marital Conflict and Improving Marital Practices	Private funding	\$695,870	04080503
Cummings, E. M.				
Department or Office:	Center for Flow Physics and Control			
Jumper, Eric J.	Aero-Optical Modeling and Validation for HEL Systems	Corporate funding	\$243,591	04080463
Morris, Scott C.	Development of a Microsonic Anemometer	University of Utah	\$106,578	04080487
Jumper, Eric J.	High-Bandwidth MEMS Mirrors for Atmospheric Compensation	Corporate funding	\$46,994	04080473
Department or Office:	Center for Transgene Research			
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$408,200	04080510

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Tropical Disease Research & Training			
Fraser, Malcolm J. Severson, David W. Collins, Frank H.	Developing Site-Specific Recombinases for Transgenesis and Functional Genomics in Mosquitoes	National Institutes of Health	\$457,959	04080454
Ferdig, Michael T.	Discovering the Transcriptional Networks of Multiple Drug Resistant Malaria	Private funding	\$200,000	04080502
Besansky, Nora J.	Ecological Genomics of Anopheles gambiae	National Institutes of Health	\$613,713	04080488
Severson, David W. Streit, Thomas G. Romero-Severson, Jeanne	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$677,633	04080516
McDowell, Mary A.	Interleukin-12 Regulation in Leishmania Infected Human Dendritic Cells	National Institutes of Health	\$362,500	04080517
Department or Office:	Center for Zebrafish Research			
Li, Lei	Searching for Visual System Mutations in Adult Zebrafish	National Institutes of Health	\$259,875	04080471
Department or Office:	Cushwa Center for American Catholicism			
Hart, Kevin J.	Religious Experience and English Poetry, 1633-1985	National Endowment for the Humanities	\$106,820	04080509

Proposals submitted during the period Feb-01-2004 to Feb-29-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office: Freimann Life Science Center				
Suckow, Mark A.	Prevention of Prostate Cancer by Vaccination	Department of Defense	\$562,192	04080462
Department or Office: Kroc Institute for International Peace Studies				
Bergen, Doris L.	Between God and Hitler: Military Chaplains in Nazi Germany	U.S. Institute of Peace	\$40,000	04080521
Department or Office: Nano Science and Technology Center				
Snider, Gregory L.	Fabrication of Silicon-Based Tunnel Junctions for Nanoelectronics	National Science Foundation	\$213,020	04080458
Lieberman, Marya	Molecular Circuitboard: Design, Synthesis, and Defects in Circuits Based on DNA Tiles	National Science Foundation	\$538,748	04080470
Seabaugh, Alan C.	Sensors: Low Power RF Sensor Transceivers	National Science Foundation	\$374,850	04080513
Snider, Gregory L. Scheutz, Matthias J. Bauer, Peter H.	A Testbed for the Analysis and Evaluation of Ultra-Low Complexity Mobile Sensor Networks	National Science Foundation	\$749,722	04080501
Seabaugh, Alan C.	Integrated Tunnel Diode and Out-of-Plane Inductor for Low Power Communications	National Science Foundation	\$498,495	04080468

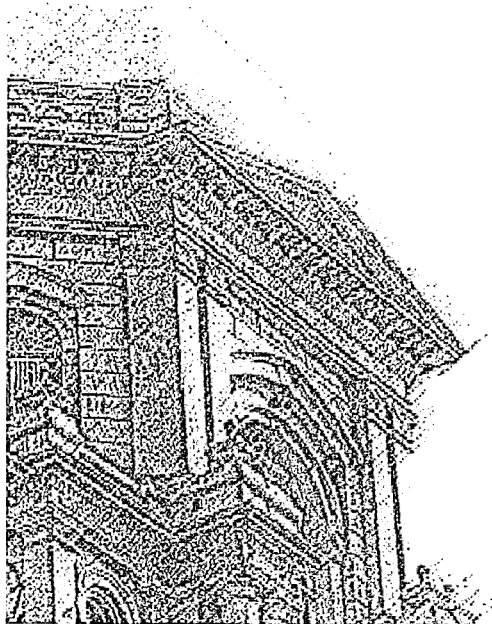
Proposals submitted during the period Feb-01-2004 to Feb-29-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Radiation Laboratory			
LaVerne, Jay A.	Radiolytic Decomposition of Water at Zirconia Interfaces	Corporate funding	\$82,250	04080497
Department or Office:	Walther Cancer Institute Chair I			
Taylor, Richard E.	Polyketides: Synthetic and Biological Studies	National Institutes of Health	\$220,004	04080505
Taylor, Richard E.	Conformation-Activity Relationships	National Institutes of Health	\$262,500	04080506

Proposals for Instructional Programs

Department or Office:	Cushwa Center for American Catholicism			
Matovina, Timothy M.	Catholics and the Road to American Citizenship, 1820 to the Present	National Endowment for the Humanities	\$131,012	04080512
Cummings, Kathleen S.				

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