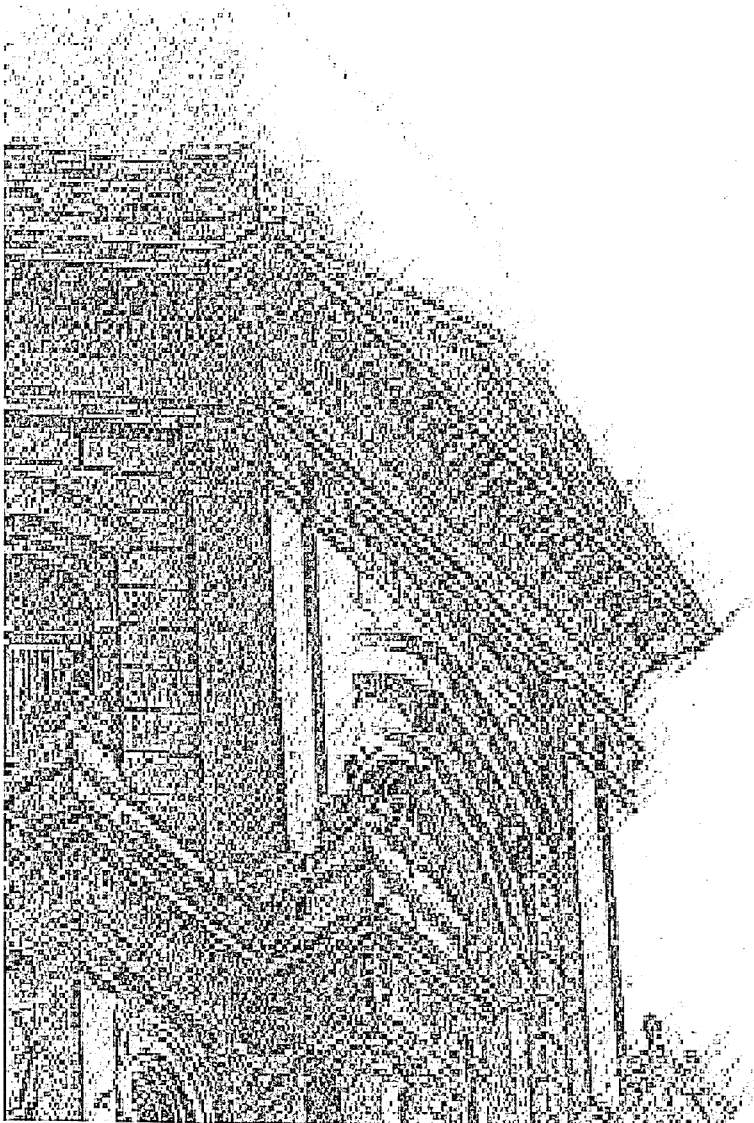


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Faculty Notes

Activities

Samuel Amago, assistant professor of Spanish literature and Nanovic Institute fellow, presented the invited lecture "Getting the Story Straight: Narrative and Memory in *Soldados de Salamina*" at the Univ. of Illinois at Chicago, Nov. 3.

Peri E. Arnold, professor of political science, was chair and discussant for a panel titled "Performance Budgeting? Assessing the Bush Administration's PART Initiative" at the 2004 annual meeting of the American Political Science Association, Chicago, Sept. 2-5.

Robert Audi, the Gallo Professor of Business Ethics, presented the keynote address titled "Business Ethics in the Twenty-first Century: A Perspective on Its Methods and Challenges" at the annual meeting of the Society for Business Ethics in New Orleans, August 4-7; and presented three F.D. Maurice Lectures on "Religion, Ethics, and Citizenship" at King's College, Univ. of London, Oct. 19-21.

Patricia Blanchette, associate professor of philosophy, delivered the lecture "Conceptual Analysis and Logic in Frege" to the Dept. of Philosophy at the Univ. of Wisconsin, Milwaukee, on Oct. 29.

Jianguo Cao, professor of mathematics, presented "Positive Harmonic Functions on Open Manifolds with Non-Positive Curvature" at the 100th American Mathematics Society meeting, Northwestern Univ., Oct. 23.

Peter Cholak, professor of mathematics, presented "Improving and Proving the Slaman-Woodin Conjecture" at the "North Texas Logic Conference" in Denton, Tex. in October and at a "Special Session on Computability and Applications" at an AMS sectional meeting in Evanston, Ill., also in October.

Kevin J. Christiano, associate professor of sociology, served as convener and discussant in the program session on "Religion

and Rationality" at the annual meeting of the Society for the Scientific Study of Religion, Kansas City, Mo., Oct. 22-24.

Olivia Remie Constable, professor of history, presented "A Game for Everybody? Chess and Society at the Court of Alfonso X of Castile" at the Marcos Center, Univ. of Tennessee, Knoxville, Oct. 7; led the seminar "Muslim Women in Medieval Spain" at the Newberry Library Teachers' Consortium, Chicago, Oct. 26; and commented for the panel "The Political Dimension: Supervision and Control across Social Groups" at "Interrogating Iberian Frontiers," Cornell Univ., Ithaca, N.Y., Nov. 13.

Xavier Creary, professor of chemistry and biochemistry, presented an invited seminar titled "Radicals and Carbocations: Old Intermediates-New Chemistry" at Seton Hall Univ., South Orange, N.J., Oct. 26.

Glen Dowell, assistant professor of management, presented "The Impact of Product Line Breadth on Firm Performance" at the British Academy of Management in St. Andrews, Scotland, on Sept. 1.

Meredith J. Gill, assistant professor of art history, presented "Augustine's Reflection in His Renaissance Study" at the interdisciplinary conference "A Legacy of Provocation: Augustine Reconsidered," Princeton Univ., Oct. 22; and "Clouds, Angels, Light and the Edges of Things" at the annual "Sixteenth Century Society Conference," Toronto, Oct. 29.

Douglas C. Hall, associate professor of electrical engineering, was local arrangements chair and an invited guest organizer for the "46th Electronic Materials Conference," held at the Univ. of Notre Dame, June 23-25, where he presented "Electrical Properties and Microstructure of InAlP Native Oxides for MOS Applications" with Y. Cao, J. Zhang, X. Li, **Thomas H. Kosel**, associate professor of electrical engineering, **Patrick Fay**, associate professor of electrical engineering, R. E. Cook, X. Zhang, and R. D. Dupuis.

Prashant V. Kamat, professional specialist, Radiation Laboratory, and concurrent professor, chemical and biomolecular engineering, presented a series of lectures at Univ. Nacional Autonoma De Mexico, Coyoacan: "Photoresponsive Organic-Inorganic Hybrid Nanoassemblies," "Nanostructure Architectures for Energy Conversion," and "Advanced Oxidation Processes for Environmental Remediation," Oct. 25-29.

Lenny Moss, assistant professor of philosophy and Nanovic Institute fellow, presented "Genetic versus Epigenetic Perspectives on Cancer" and "What is Philosophical Anthropology and What are Its Prospects?" to the Dept. of the Social Studies of Medicine, McGill Univ., Montreal, on Oct. 19 and 20, respectively; and "Flexible Phenotypes, Detached Interiorities, and the Evolution of Fully Normative Beings: Renewed Reflections on Philosophical Anthropology" at the "Workshop in the History, Philosophy and Sociology of Science, Univ. of Chicago, Nov. 5.

Rev. Ronald J. Nuzzi, director, ACE Leadership Program, presented "The Spirituality of Teaching" to the Teachers' Institute, Diocese of Albany, N.Y., Oct. 4; "Research on Catholic School Effectiveness" to a pastors' conference, Oct. 5; "Multiple Intelligence Theory for Home and School" to the "Western Suburbs Professional Development Day," Franklin Park Schools, Chicago, Oct. 12; "Catholic Schools Still Make A Difference" to the "Catholic Education Conference," Diocese of Houston-Galveston, Oct. 15; and "Leadership Theory in Educational Administration" to the "Catholic High School Principals Conference," Archdiocese of Chicago, Oct. 26.

Samuel Paolucci, professor of aerospace and mechanical engineering, gave the invited seminar "Novel Methods in Computational Fluid Mechanics," to the Dept. of Theoretical and Applied Mechanics, Univ. of Illinois at Urbana-Champaign, Oct. 28.

Joan M. Phillips, assistant professor of marketing, presented "Predicting Others' Behavioral Frequencies: The Role of Judgment Strategy, Knowledge, and Regularity" with B. Bickart and G. Menon at the "2004 Association for Consumer Research Conference," Portland, Ore., Oct. 10.

Simon M. Pimblott, professional specialist in the Radiation Laboratory, presented "Dynamics of Low Energy Electrons in Ion Radiolysis of Aqueous Systems," written with **Jay A. LaVerne** and **Daniel M. Chipman**, professional specialists in the Radiation Laboratory, at a meeting on "Condensed Phase and Interfacial Molecular Science," Warrenton, Va., Oct. 24–27.

Juan M. Rivera, associate professor of accountancy, presented "Migration Paths in a Global Marketplace" during the "Migration and Theology International Conference" at the Univ. of Notre Dame, Sept. 19–22.

Robert Sedlack, assistant professor of design, served as a conference committee member for "FutureHistory," the American Institute of Graphic Arts' national design educators conference, held Oct. 15–17, in Chicago, where he was moderator for two panel discussions and a member of a panel of readers for paper submissions for the conference during the summer.

Slavi Sevov, professor of chemistry and biochemistry, presented the invited talks "Novel Open Frameworks and Heteropolyoxometalates" at the Shanghai Institute of Ceramics in Shanghai, the Fujian Institute of Structure of Matter in Fuzhou, and at the Peking Univ. in Beijing, China, and "Solid-State and Solution Chemistry of Si, Ge, Sn, and Pb in Negative Oxidation States" at the Fujian Institute for Structure of Matter in Fuzhou, China, Sept. 16–29.

Laurence R. Taylor, professor of mathematics, presented "Normal Spaces" to the "Scottish Topology Seminar" at the Univ. of Edinburgh on Oct. 22.

Richard E. Taylor, professor of chemistry and biochemistry, presented an invited seminar titled "Conformational-Activity Relationships in Polyketide Natural Products" at the Univ. of North Carolina, Chapel Hill, Oct. 22.

Publications

Peri E. Arnold, professor of political science, published a review of S. Neal (ed.) *HST: Memories of the Truman Years* (Carbondale: Southern Illinois Univ. Press, 2003) and Neal (ed.) *Miracle of '48: Harry Truman's Major Campaign Speeches and Selected Whistle Stops* (Carbondale: Southern

Illinois Univ. Press, 2003) in *Political Science Quarterly* 119 (fall): 524–526.

Ian Carmichael, director and professional specialist in the Radiation Laboratory, published "Bimolecular Homolytic Substitution (S_H2) Reactions with Hydrogen Atoms: Time-Resolved Electron Spin Resonance Detection in the Pulse Radiolysis of α -(Methylthio)acetamide" with P. Wisniewski, K. Bobrowski, and **Gordon L. Hug**, associate professional specialist in the Radiation Laboratory, *Journal of the American Chemical Society* 126, No. 44 (2004): 14468–14474.

Umesh Garg, professor of physics, published "High-Spin States in the Odd-Odd Nucleus ^{146}Tb " with A. Krishichayan, et al., *Physical Review C* 70 (2004): 044315 (8 pp.).

Joachim Görres, research professor of physics, and **Michael C. Wiescher**, the Freimann Professor of Physics, published "Low-Energy Radioactive Ion Beam Induced Nuclear Reactions" with A.N. Ostrowski, et al., *Journal of Physics G: Nuclear and Particle Physics* 24 (2004): 1553–1559

Denis Goulet, the O'Neill Professor Emeritus in Education for Justice, Dept. of Economics, and Kellogg and Kroc Institutes fellow, published "Changing Development Debates Under Globalization: The Evolving Nature of Development in the Light of Globalization," *Journal of Law and Social Change* 6, No. 1 (2004): 1–17.

Maureen T. Hallinan, director, Center for Research on Educational Opportunity, and the White Professor of Sociology, published "The Detracking Movement," *Education Matters* (November); and "Sorensen's Learning Opportunities Model: Theoretical Foundations, Mathematical Formalization, and Empirical Analysis" in *Inequality: Structures, Dynamics and Mechanisms: Essays in Honour of Aage B. Sorensen. Research in Social Stratification and Mobility* 21 (2004): 67–89.

Kevin Hart, professor of English and Nanovic Institute fellow, published "Darkness and Lostness: How to Read a Poem by Judith Wright" in *Imagining Australia: Literature and Culture in the New New World*, ed. J. Ryan and C. Wallace-Crabbe (Harvard University Committee on Australian Studies, 2004): 305–319.

Robert C. Johansen, professor of political science, senior fellow in the Kroc Institute and fellow in the Kellogg Institute, published "Put Teeth in 'Never Again' Vow with Fast, Full-Scale UN Response," *Christian Science Monitor* (Sept. 7): 9; and "Reviving Peacebuilding Tools Ravished by Terrorism, Unilateralism, and Weapons of Mass Destruction," *International Journal of Peace Studies* 9, No. 2 (autumn/winter): 31–55.

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, published "Single-Wall Carbon Nanotube Films for Photocurrent Generation: A Prompt Response to Visible-Light Irradiation" with S. Barazzouk, S. Hotchandani, and K. Vinodgopal, *Journal of Physical Chemistry B* 108, No. 44 (2004): 17015–17018.

Alisdair MacIntyre, research professor of philosophy, published "What Both the Good and the Bad Bring to Friendships in Their Strange Variety" in *Amor Amicitiae: On the Love that is Friendship*, T.A.F. Kelly and P.W. Roseman, eds. (*Recherches de Théologie et Philosophie Médiévales*, 2004): 241–255; and "Social Structures and their Threats to Moral Agency" in *Policing a Safe, Just and Tolerant Society: An International Model*, P. Villiers and R. Adlam, eds. (Winchester, UK: Waterside Press, 2004).

Tadeusz Mazurek, instructor in the Classics Department, published "The *decemviri sacris faciundis*: Supplication and Prediction," in *Augusto augurio: Rerum humanarum et divinarum commentationes in honorem Jerzy Linderski* (Stuttgart: Franz Steiner Verlag, 2004): 151–168.

Eugene Marshalek, professor emeritus of physics, published "Commentary on Self-Consistent Cranking plus RPA," *Journal of Physics G: Nuclear and Particle Physics* 30 (2004): 1861–1891.

Anthony N. Michel, the Freimann Professor of Engineering Emeritus, published "Stability Analysis for Switched Systems with Continuous Time and Discrete Time Subsystems" with G. Zhai, H. Lin, and K. Yasuda, *International Journal of Hybrid Systems* 3, No. 4 (Dec. 2003): 305–318.

Rudolph M. Navari, associate dean, College of Science, and director, Walther Cancer Research Center, published "Role of Neurokinin-1 Receptor Antagonists in

Chemotherapy-Induced Emesis: Summary of Clinical Trials" in *Cancer Investigation* 22 (2004): 569–576.

Guillermo O'Donnell, the Kellogg Professor of Political Science, published *The Quality of Democracy* (Univ. of Notre Dame Press, 2004).

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, published *Why Literature Matters in the 21st Century* (New Haven and London: Yale Univ. Press, 2004).

Michael C. Wiescher, the Freimann Professor of Physics, published "New Experimental Validation of the Pulse Height Weighting Technique for Capture Cross-Section Measurements" with U. Abbondanno, et al., *Nuclear Instruments and Methods in Physics Research A* 521 (2004): 454–467; and "Measurement of the n_TOF Beam Profile with a Micromegas Detector" with M. Pancin, et al., *ibid.* 524 (2004): 102–114.

Rev. Oliver F. Williams, C.S.C., director of the Center for Ethics and Religious Values in Business, and fellow of the Kroc Institute, published "AIDS and Life-Saving Medicines: Responsibilities" in *Case Studies in Business Ethics*, 5th Edition, A. Gini, ed. (2004): 268–277.

Administrators' Notes

Publications

Alan S. Bigger, director of Building Services, published "Flooring Considerations:

Facts Under Foot" in *Maintenance Solutions* 12, No. 10 (July): 17–18.

Documentation

Errors and Omissions

In issue 5, the wrong title was used in an entry about Ronald Hellenthal. I apologize for the error. The entry should have read:

Ronald A. Hellenthal, assistant chair and professor of biological sciences, was reappointed as a member of the Indiana Pesticide Review Board, for a four-year term expiring Jan. 1, 2007.

University Council for Academic Technologies

Sept. 17, 2004

Attending: Kevin Barry (for Alex Hahn), Rob Easley, Molly Gordon, Tom Laughner, Michael Kirsch, Dan Marmion, Bill McDonald, Dmitriy Orlov, Harold Pace, Mark Schurr, Robert Stevenson, John Uhran, Olaf Weist, Gordon Wishon.

Guests: Marty Klubeck, Tom Monaghan, Shiree Moreland, Bill Mountford.

Absent: Al DeFrees, Richard Gray, Alex Hahn, Roger Jacobs, Jan Labanowski, Carole Pilkinton.

Welcome and Introductions of New Members and Guests

New members: Dmitriy Orlov, GSU; Bob Stevenson, Engineering; Richard Gray, A&L (not present); Alan DeFrees, Architecture (not present).

Minutes Review and Announcements

Rob Easley moved to approve the minutes of the May 7, 2004 meeting, Bill McDonald seconded. Minutes were approved.

UCAT Subcommittees

• Status of Software Subcommittee

Gordon asked for volunteers to chair the Software Subcommittee. Since no volunteers were forthcoming, he will continue efforts to find a chairperson.

• **Change to subcommittee structure to allow non-UCAT chairpersons and accommodate external related committees (for example, Academic Technical Training Committee)**

After discussion of the subject, Olaf Weist proposed that the chairperson should be a faculty member, but UCAT members agreed that we should look outside the UCAT for leadership of this and other subcommittees that arise. Appointment of non-UCAT chairpersons will be subject to approval of the UCAT.

• Reports

• *University Academic Technical Training Committee*

Shiree Moreland gave a short report on the background and current status of this new committee that was formed in the spring. She requested feedback from UCAT about how to tie this committee to the UCAT, who might be asked to chair it, etc. Possible topics for this committee will include training for faculty on new classroom technologies, and on some of the administrative

matters that affect faculty. The committee will also focus on ways to improve overall information literacy, and how best to deliver discipline-specific training. **ACTION:** Gordon will discuss with Dennis Jacobs the possibility of chairing the ATTC; otherwise we will look elsewhere for a chairperson.

• *Course Management System (Rob Easley)*

The CMS subcommittee is focusing on the entire teaching experience. Integration of WebCT Vista with the Banner Student/Faculty module does not exist anywhere, so the committee is not able to use the experiences of other institutions in developing policies for their CMSs. After assessing the needed work and the available resources, the subcommittee recommends that in the short-run we upgrade WebCT to Vista, but continue to operate it in batch mode as we currently do. Faculty will upgrade to new version of Vista, but not have a fully integrated "faculty experience" solution yet. We do not want to lose the momentum of the integrated experience. It was suggested that colleges may wish to hire course designers assigned to work with their own faculty to design their courses using WebCT. This would provide "branding" and reporting capability within each college. Additional discussion will occur at coming UCAT meetings.

• *Learning Spaces (Mark Schurr)*

There have been two meetings, and several site visits to other universities and to Steelcase. The plan is to present models the committee wants to propose for funding. The committee has formed two working groups focused on classrooms and clusters, a possible third will focus on "other" (i.e., non-classroom) learning spaces. Important themes for learning spaces focus on flexibility of space and configuration, interaction between faculty and students. The committee wants to develop design standards and a mechanism for review of them. **ACTION:** Gordon will set up a meeting with Dennis Jacobs, Chris Maziar and Mark Schurr to discuss where this committee fits and how it interacts with the Classroom committee that was proposed by the Academic Council but has not been established.

Academic IT Needs Assessment Report (Tom Monaghan and Marty Klubeck)

This presentation was deferred until the next meeting.

Student/Faculty Information System Update (Harold Pace)

Some parts of this system have gone live, others will soon. Some staff already are using Banner. The Renovare team is working 12-hour days. Many issues are going to the Oversight Committee for guidance. The plan is to go live with the course catalog on November 1, with Financial Aid go live on Feb 1, 2005. In Summer 05, faculty will be able to enter students' grades using the new software. The next phase of Banner will begin in January, and will be an 18-month effort.

MIT's OpenCourseWare Consortium

The Provost's Office response from Dennis Jacobs (distributed in advance) makes it clear that there is no additional funding to support the resources that would be needed to participate as a founding member of the OCW Consortium. Alex Hahn had proposed a pilot OCW using a course that already has a substantial amount of online content and resources. An important consideration in the development of any courseware that will be published on the Web is copyright. Dennis Jacobs is discussing the copyright policies with the General Counsel. We will further explore the possibility of a pilot OCW course.

Next UCAT Meeting: October 7, 2004 – 3:00 p.m. – 4:30 p.m.

Location TBD

University Committee on Women Faculty and Students

September 20, 2004

Members present: Susan Blum, Liz Dube, Sr. Mary Louise Gude, C.S.C., Susan Harris, Jean Ann Linney, Mary Ann McDowell, Salma Saddawi, Katherine Spiess

Members absent: Patricia Bellia, Rev. Patrick Gaffney, C.S.C., Agnes Ostafin

Members excused: Gretchen Reydam-Schils

Guests: Jill Bodensteiner, associate vice president and counsel, and interim director, Office of Institutional Equity

Observers: Mary Hendriksen, reporter

Prof. Spiess, acting chair of the University Committee on Women Faculty and Students, called the meeting to order at 9:10 a.m.

1. Minutes of the meeting of April 23, 2004: The minutes of the meeting of April 23, 2004, were approved without amendment.

2. Invitation to Fr. Malloy, Prof. Hatch, and Fr. Jenkins: Members agreed to invite University President the Rev. Edward Malloy, C.S.C.; Provost Nathan Hatch; and the Rev. John Jenkins, C.S.C., named by the Board of Trustees to be Fr. Malloy's successor, to an upcoming Committee meeting.

3. Update on sexual harassment training film: Jill Bodensteiner, associate vice president and counsel, and the interim director of the University's Office of Institutional Equity, reported on progress on the Committee's project to produce a film for faculty on what constitutes sexual harassment, how it should be avoided, and how incidents involving it are reported. [See minutes of the UCWFS meeting of February 27, 2004] Over the summer, she worked with Prof. Teresa Godwin Phelps and Prof. Jill Godmilow to identify five scenarios involving faculty that have the potential to lead to charges of sexual harassment. They have hired Karen Heisler, assistant professional specialist in the department of Film, Television, and Theatre (FTT), to write the script. Prof. Godmilow and her colleagues from FTT will produce the film, which is planned for distribution next fall.

Ms. Bodensteiner explained that the film will be shown to both new and existing faculty members, primarily at departmental meetings. She noted that the law involving sexual harassment is changing very rapidly and that institutions may be held strictly liable and/or liable for punitive damages when they have been found to have failed to train their employees adequately. She envisions that the film will include commentary from a member of both the Provost's Office and the General Counsel's Office to emphasize to faculty that compliance in this area is critical.

As for sexual harassment training for staff members at the University, Ms. Bodensteiner said that commercial products already on the market are better suited for that purpose than the film now under production. The Office of Human Resources

es also conducts staff training on sexual harassment and workplace expectations.

A member commented that in addition to faculty of accredited departments, Institutional Equity should show the film and provide sexual harassment training to faculty at the University's institutes and centers.

4. Salary equity review committee: Prof. Spiess is the UCWFS representative to the Provost's Salary Equity Review Committee. She informed members that the committee completed its work this summer and sent its report to the Provost. Prof. Linney added that the report will be distributed to Academic Council members.

Prof. Spiess summarized the committee's report by saying that after extensive review and analysis of faculty salary data, from which all identifying information was removed, the group concluded that there is no evidence of gender bias at the University as to faculty salaries. Prof. Spiess noted that neither did the committee find evidence of bias in the salaries of minority faculty members overall; however, when members examined results for individual divisions, they identified two sub-groups of minority faculty that showed weak evidence of salary bias. These groups were highlighted in the committee's report for more extensive study. She noted as well that the work of the salary equity review committee does not extend to determining whether there is systematic bias at the University in retention or promotion of the women or minority faculty members—only to assessing whether the salary structure is equitable, given rank and years in service.

Members asked if a similar study would be undertaken to examine the salary structure of the University's special professional faculty (SPF). Prof. Spiess said that John Affleck-Graves, the University's executive vice president, informed the Committee that while he initiated a study of SPF salaries last year in his position as associate provost, it was halted by concerns of how meaningful the study would be given the following factors:

- There are fewer than 300 SPF faculty
- There are three ranks of SPF faculty (assistant, associate, full)
- There are three categories of SPF faculty (teaching, research, administration)

- There are differences across colleges and across departments within a college.

Thus, Prof. Affleck-Graves concluded that a regression model could not be built with adequate explanatory power and decided to not move forward with the study.

Ms. Dube asked if the Provost's Office is considering a study of library faculty salaries. None of the issues that led to the decision to stop the special professional faculty salary study would be factors in a library faculty study.

Members agreed to discuss this question later in the meeting when the agenda for the current academic year was set.

5. Election of the chair for the 2004–2005 academic year: Prof. Spiess was elected chair of the UCWFS for the current academic year. In an effort to ensure continuity of the Committee's work over the summer, members elected Prof. Blum chair-elect.

6. Agenda items for the 2004–2005 academic year:

(a) **Hiring/promotion/retention of women faculty members:** Prof. Spiess distributed copies of an August 2004 report by WATCH, an unofficial organization of Notre Dame women faculty, to follow up on the consensus opinion of Committee members last year that retention of women faculty should be an agenda item for the current year. [See minutes of the meeting of April 23, 2004.] The WATCH report "brief and preliminary" Spring 2004 survey of women faculty and graduate students in the College of Arts and Letters and the library. Its authors concluded that because "the survey found evidence of sexual harassment, strong opinions that the ND environment treats women differently than men, and some concern that ND has problems retaining and attracting women faculty," the University should undertake a more extensive faculty and graduate student survey to examine these issues.

Members held a wide-ranging discussion of the WATCH report and the general issue of recruitment, retention, and promotion of women faculty. Some members said that Institutional Research and the Office of Institutional Equity should conduct a more qualitative analysis of hiring/retention data so that reasons why women faculty leave the University could be better understood.

One member asked if the UCWFS could mandate such a survey. Other comments were that the University, particularly department chairs, should be more aware and proactive in regard to its women faculty—doing more to create a supportive environment for women faculty members and to head off offers from competing institutions; that the perception exists that it is more difficult for hires to be made for the spouses of newly hired women faculty than for their male counterparts; that sexual orientation issues may be an unstated reason that some women leave the University; and that perhaps structural reasons exist for the "cement ceiling" some feel exist for women faculty in regard to promotion—that is, perhaps a disproportionate number of women faculty are heavily engaged in administrative work, which can delay their rise through the faculty ranks. The role of Institutional Equity in regard to faculty searches was also discussed—particularly in regard to documenting compliance with the University's affirmative action policies.

Profs. Linney and Blum agreed to be members of a subcommittee to examine these and other questions in regard to hiring, retention, and promotion of women faculty at the University.

(b) **Co-residentiality options for undergraduates at the University:** Members agreed to continue with the issue of co-residentiality options for undergraduates at the University. Sr. Mary Louise Gude, C.S.C., will provide a short update at the next meeting on the state of on-going discussions at the University on this topic.

(c) **Maternity benefits for graduate students:** Prof. McDowell and Belinda Byrne, a graduate student representative to the Committee for the 2003–2004 academic year, worked on this issue in consultation with Jill Bodensteiner, associate vice president and counsel. Prof. McDowell said that she would check with Ms. Byrne regarding the status of this effort and ask if she would be willing to serve on the committee again this year.

(d) **Other items:** Members agreed that when students join the Committee at the next meeting, any other issues they raise can be added to the year's agenda.

There being no further business, Prof. Spiess adjourned the meeting at 10:30 a.m.

Research

Awards and Proposal Summary

10/01/2004 to 10/31/2004

Awards Received

Category	No.	Amount
Research	32	\$6,978,737
Total:	32	\$6,978,737

Proposals Submitted

Category	No.	Amount
Research	82	\$18,420,901
Instructional Programs	1	\$141,863
Total:	83	\$18,562,764

October 2004 Cumulative summary

Awards Received

Category	07.01.2002 - 10.31.2002		07.01.2003 - 10.31.2003		07.01.2004 - 10.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	118	\$23,389,847	148	\$25,534,821	144	\$34,720,000
Facilities and Equipment						
Instructional Programs	5	\$766,901	8	\$1,166,443		
Other Programs			1	\$62,500		
Service Programs						
Total:	123	\$24,156,748	157	\$26,763,764	144	\$34,720,000

Proposals Submitted

Category	07.01.2002 - 10.31.2002		07.01.2003 - 10.31.2003		07.01.2004 - 10.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	222	\$64,450,778	259	\$103,712,956	248	\$79,660,000
Facilities and Equipment						
Instructional Programs	5	\$1,693,104	2	\$88,533	6	\$2,390,000
Other Programs						
Service Programs						
Total:	227	\$66,143,882	261	\$103,801,489	254	\$82,050,000

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 Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office: ACE Educational Outreach				
Johnstone, Joyce V. (Center or Institute)	ACE-EDU Outreach	Private Funding	\$46,000	27
Johnstone, Joyce V. (Center or Institute)	ACE-EDU Outreach	Private Funding	\$39,500	39
Department or Office: Aerospace and Mechanical Engineering				
Morris, Scott C. (Center or Institute)	Experiments in Sound and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems	Department of Navy	\$50,000	36
Niebur, Glen L.	Evaluation of Micro-Finite Element Analysis for Assessment of the Effect of Mineralization on Trabecular Bone Mechanical Properties	Corporate Funding	\$5,000	11
Department or Office: Alcohol and Drug Education				
Firth, Gina M. Brookshire, Jessica M.	St. Joseph County Tobacco Quit Program	Private Funding	\$19,980	15
Department or Office: Biological Sciences				
Diffley, Peter	Graduate Research Fellowship Program	National Science Foundation	\$98,125	60
Kulpa, Charles F. (Center or Institute)	Microbial Films for Analysis in APS by Argonne Personnel	Argonne National Laboratory	\$7,500	78
Lodge, David M	Quantifying Pathways of Nonindigenous Aquatic Species	University of Illinois-Urbana-Champaign	\$149,829	39
Welsh, JoEllen J.	Anti-Tumor Effects of Vitamin D and Chemotherapy in Vivo	Private Funding	\$44,100	12

Awards received during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Center for Social Concerns				
Pettit, Rebecca T.	NYSP Supplement for Support Services	Private Funding	\$19,255	12
Department or Office: Chemical and Biomolecular Engineering				
Maginn, Edward J. Brennecke, Joan F.	High Temperature Ionic Liquid Lubricant for Advanced Aircraft Turbine Engines	Corporate Funding	\$35,498	7
Department or Office: Chemistry and Biochemistry				
Jacobs, Dennis C.	Charged Particle Ejection From Nanolayered Heterostructures	Department of the Air Force	\$105,000	24
Department or Office: Civil Engineering and Geological Sciences				
Kurama, Yahya C.	CAREER: Seismic Behavior & Design of Non-Emulative Precast Concrete Buildings with Supplemental Passive Energy Dissipation.	National Science Foundation	\$8,331	70
Salvati, Lynn A. Vichit-Vadakan, Wilasa	Investigation of Factors Affecting the Improvement of Clay with Ground Blast-Furnace Slag	Purdue University	\$39,884	29
Department or Office: College of Engineering				
Incropera, Frank P Cunningham, Robert J	Nanotechnology Engineering Center at the University of Notre Dame	Department of Energy	\$1,932,000	58
Department or Office: Computer Science & Engineering				
Flynn, Patrick J.	Facial Feature Extraction and Quality Assessment for 2D/3D Multimodal Face Images	Sandia National Laboratory	\$35,000	11

Awards received during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars
Department or Office: Electrical Engineering			
Jena, Debdeep (Center or Institute)	Distributed Polarization Induced P-Type Doping in III-V Nitride Semiconductors	Department of Navy	\$90,000
Porod, Wolfgang (Center or Institute)	Physically-Coupled Nanostructures for Locally-Interconnected Circuit Architectures	Department of Navy	\$150,000
Seabaugh, Alan C. Fay, Patrick J. Bernstein, Gary H. (Center or Institute) Collins, Oliver M.	Mixed Signal Nanoelectronics	Department of Navy	\$225,000
Department or Office: Film, Television, and Theatre			
Chalmers, Jessica	Avanti: A Postindustrial Ghost Story	Private Funding	\$766
Department or Office: Physics			
Bigi, Ikaros I.	Subtle Tests of the Standard Model & Probes for New Physics	National Science Foundation	\$50,000
Eskildsen, Morten R.	Joint ND/Argonne Graduate Student RA (Ruobing Xie)	Argonne National Laboratory	\$25,074
Garnavich, Peter M. (Center or Institute)	PANS-Probing Acceleration Now with Supernovae	Private Funding	\$40,000
Wayne, Mitchell R. Ruchti, Randal C. Hildreth, Michael D. Goussiou, Anna	USCMS Hadron Calorimeter M&O Subsystem	University of California-Los Angeles	\$29,826

Awards received during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Political Science				
Zuckert, Michael P.	Graduate Research Fellowships during AY2004-05.	Private Funding	\$19,468	9
Department or Office: Psychology				
Radvansky, Gabriel A	Comprehension and Memory of Spatial and Temporal Event Components	U.S. Army Research Institute	\$17,190	36
Department or Office: Radiation Laboratory				
Carmichael, Ian C. Ferraudi, Guillermo J. Kamat, Prashant V. Madden, Keith P. LaVerne, Jay A. Guldi, Dirk M. Hug, Gordon L. Chipman, Daniel M. Tripathi, Gorakh Nath R. Bentley, John J. Pimblott, Simon M. Meisel, Dan Bartels, David M. (Center or Institute)	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$3,380,000	29
Department or Office: Sociology				
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Advancing Knowledge of Metropolitan Chicago's Growing Latino Population	Private Funding	\$39,000	13
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Advancing Knowledge of Metropolitan Chicago's Growing Latino Population	Private Funding	\$31,000	13
Williams, Richard A.	Alternative Assessments of GSE Performance, Influence, and Impact	US Housing & Urban Development	\$40,000	18

Awards received during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Theology				
Pelton, Robert S.	Planning Meeting - Project Reducting Government Corruption in Latin America	Private Funding	\$12,500	1
Department or Office: University Libraries				
Bayard, Laura A.	Project to Recruit the Next Generation of Librarians	Private Funding	\$193,911	36

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Jumper, Eric J.	Optical Characteristics of Atomspheric Turbulence	Corporate Funding	\$29,617	6
Jumper, Eric J. Gordeyev, Stanislav V. Cavaliari, David	CFD Based Directed Energy Facility Interface Modeling and Simulation	Corporate Funding	\$79,990	22
Mueller, Thomas J. Morris, Scott C.	An Experimental Study of Trailing Edge Noise	Department of Navy	\$59,104	20
Niebur, Glen L. Ovaert, Timothy C.	Growth of Trabecular Bone Damage Due to Off-Axis Loads	National Institutes of Health	\$300,165	12
Department or Office:	Anthropology			
Chesson, Meredith S.	New Places, New Lifeways	Private Funding	\$75,832	23
Schurr, Mark R.	Public Archaeology at Collier Lodge	Indiana Department of Natural Resources	\$9,094	13
Department or Office:	Art, Art History and Design			
Pyne, Kathleen A.	Formative Moments in the Art and Life of Georgia O'Keeffe	Private Funding	\$50,000	9

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Biological Sciences				
Feder, Jeffrey L. Besansky, Nora J. Lamberti, Gary A. Lodge, David M. Fuentes, Agustin	IGERT: Global Linkage of Biology, Environment, and Society (GLOBES)	National Science Foundation	\$3,387,561	60
Hinchcliffe, Edward H.	Mechanisms of Centrosome Reproduction in Animal Cells	National Institutes of Health	\$350,000	12
Lodge, David M.	IRCEB: Ecological Forecasting and Risk Analysis of Nonindigenous Species	National Science Foundation	\$10,000	12
Shay, Neil F.	Soy Isoflavones, Lipid Homeostasis, and PPARs	National Institutes of Health	\$314,250	12
Vaughan, Kevin T.	The Microtubule Binding Activity of Dynactin and Search-Capture	Private Funding	\$668,462	48
Department or Office: Chemical and Biomolecular Engineering				
Brennecke, Joan F. Maginn, Edward J. Paolucci, Samuel Stadtherr, Mark A. Sen, Mihir	IGERT: Ionic Liquids for Sustainable Energy Applications	National Science Foundation	\$1,981,367	60

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Ostafin, Agnes E.	Development of Biocompatible and Immunospecific Nanoparticles	National Institutes of Health	\$150,000	12
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	Structure and Thermodynamically Guided Design of Improved Cancer Vaccines	Private Funding	\$741,385	48
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$375,000	12
Helquist, Paul Wiest, Olaf G.	Structure of the Low Molecular Weight Phosphatases	Purdue University	\$96,248	12
Huber, Paul W.	Transcription of 5S RNA Genes During Xenopus Development	National Institutes of Health	\$257,500	12
Taylor, Richard E.	Conformation-Activity Relationships	National Institutes of Health	\$262,500	12
Taylor, Richard E.	Polyketides: Synthetic and Biological Studies	National Institutes of Health	\$262,500	12
Department or Office:	Civil Engineering and Geological Sciences			
Nerenberg, Robert DuBois, Jennifer	Microbial Perchlorate Reduction with Chlorate as a Competitive Inhibitor	National Science Foundation	\$169,574	24

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Computer Science & Engineering			
Chen, Danny Z.	Graph-Based Medical Image Segmentation in 3D and 4D	University of Iowa	\$102,403	12
Department or Office:	Dean - College of Arts and Letters			
Alpert, Sheri A. Shrader-Frechette, Kristin	The Ethics of Workplace Genetic Screening	National Institutes of Health	\$37,500	12
Department or Office:	East Asian Languages and Literatures			
Lin, Sylvia L.	Confronting Atrocity: Representations of the 2/28 Incident and White Terror in Taiwan	Private Funding	\$30,000	9
Department or Office:	Electrical Engineering			
Collins, Oliver M.	A New Approach to Digital Analog Conversion	National Science Foundation	\$463,982	36
Hall, Douglas C.	High-Index-Contrast Ridge Waveguides and Lasers Enabled by Nonselective Wet Oxidation	National Science Foundation	\$389,719	36
Hall, Douglas C. Xing, Huili Jena, Debdeep	AlGaN Oxidation for RF Applications	Corporate Funding	\$49,887	12
Jena, Debdeep Seabaugh, Alan C. Kosel, Thomas H.	Nitride-Based Resonant Tunneling: Physics and Technology	National Science Foundation	\$484,128	36

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Lent, Craig S.	Fundamental Limits of Power Dissipation in Computation	National Science Foundation	\$629,879	36
Merz, James L.	Injection Quantum-dot Laser Using a Photonic-crystal Cavity	State University of New York-Albany	\$316,296	36
Orlov, Alexei Snider, Gregory L.	Single-Electron Memory Using Atomic-Layer-Deposition of High-k Barrier Dielectrics	National Science Foundation	\$278,380	36
Snider, Gregory L. Orlov, Alexei Fay, Patrick J.	Characteristics of High-Speed Carbon Nanotube Devices	National Science Foundation	\$361,361	36
Snider, Gregory L.	A New Paradigm in Power Electronics: Feasibility of Optically-Switched Power Systems	National Science Foundation	\$119,999	36
Department or Office: English				
Johnson-Roullier, Cyraina E.	Invisible Women: Literary Renaissance	Private Funding	\$75,000	9
Johnson-Roullier, Cyraina E.	Invisible Wo/Men	Private Funding	\$40,000	9

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Krier, William J.	Geniuses, Women, and Other Monsters in American Film	Private Funding	\$40,000	9
Lander, Jesse M.	Shakespeare and the Supermatural	Columbia University	\$50,000	6
Department or Office:	History			
Osborn, Emily L.	Melting Cans and Recycling Traditions: Aluminum, Artisan Production and Global Commodity Chains in West Africa	Department of Education	\$82,843	12
Department or Office:	Mathematics			
Barron, Katrina D.	Algebraic and Differential Geometric Foundation of Superconformal Field Theory	National Security Agency	\$29,998	24
Chandler, Karen A.	Cohomological Methods on Geometric Invariants	National Science Foundation	\$103,821	36
Greenberg, Noam	Generalized and Classical Recursion Theory	National Science Foundation	\$85,313	36
Gursky, Matthew J.	Fully Nonlinear and Higher Order Equations in Geometry	National Science Foundation	\$193,822	36

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Hall, Brian C.	Quantization, Symmetric Spaces, and Heat Kernels	National Science Foundation	\$114,374	36
Himonas, Alex A. Misiulek, Gerard K.	Nonlinear Evolution Equations	National Science Foundation	\$245,151	36
Polini, Claudia	Cores, Integral Closures, Hilbert Coefficients and Blowup Algebras	National Science Foundation	\$121,799	36
Polini, Claudia	Cores, Integral Closures and Blowup Algebra	National Security Agency	\$29,992	24
Shaw, Mei-Chi	Partial Differential Equations in Several Complex Variables	National Science Foundation	\$167,179	36
Xavier, Frederico J.	Applications of Analysis to Geometric Problems	National Science Foundation	\$174,944	36
Department or Office:	Philosophy			
Gutting, Gary M.	What Philosophers Know: Revolutions and Arguments in Recent Analytic Philosophy	Private Funding	\$50,000	9
Sterba, James P.	Contemporary Feminism and the Myth of Male Power	Private Funding	\$40,000	9

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Sterba, James.P.	Contemporary Feminism and the Myth of Male Power	Private Funding	\$40,000	9
Sterba, James P.	Contemporary Feminism and the Myth of Male Power	Private Funding	\$50,000	9
Department or Office:	Physics			
Eskildsen, Morten R. Bernstein, Gary H. Janko, Boldizsar	Coupled Topological Singularities-A Joint Experimental and Theoretical Study of Hybrid Vortex Matter in Superconductor-Permalloy Heterostructures	National Science Foundation	\$791,519	36
Janko, Boldizsar	Collaborative Research: Structure and Collective Dynamics of Vortices in Superconductors with Periodic Arrays of Submicron-sized Patterns	National Science Foundation	\$268,440	36
Ruggiero, Steven T.	Intrinsic Suppression of the Critical Current in SIS Mixers for Space Applications	Jet Propulsion Laboratory	\$99,386	12
Ruggiero, Steven T.	Resonant Scattering Effects in Superconductors	National Science Foundation	\$300,697	36
Tanner, Carol E. Gerginov, Vladislav P.	Development of Advanced Microfabricated Atomic Clocks	Private Funding	\$75,600	11

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Wayne, Mitchell R. Hildreth, Michael D. Cason, Neal M.	Research in Hadron Collider Physics	National Science Foundation	\$170,000	12
Department or Office:	Political Science			
Campbell, David E.	Religion and Social Capital	Harvard University	\$113,436	24
Hero, Rodney E.	Minority Advocacy Group Relations in a Changing America	Private Funding	\$85,000	9
Hero, Rodney E.	Minority Advocacy Group Relations in a Changing America	Princeton University	\$90,000	9
Hero, Rodney E.	Research on Election 2004	University of Maryland	\$20,000	7
Hero, Rodney E.	Latino Incorporation in a Changing America: The Latino National Survey	Private Funding	\$99,976	24
Mackie, Gerald L.	Ending Harmful Conventions: Mass Abandonments of Female Genital Cutting	Private Funding	\$67,800	9
Mackie, Gerald L.	Ending Harmful Conventions: Mass Abandonments of Female Genital Cutting	Stanford Humanities Center	\$60,000	9

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Mackie, Gerald L.	Ending Harmful Conventions: Mass Abandonments of Female Genital Cutting	Private Funding	\$40,000	9
Philpott, James D.	The Ethics of Political Reconciliation	Private Funding	\$75,000	9
Philpott, James D.	The Ethics of Political Reconciliation	Private Funding	\$40,000	9
Philpott, James D.	The Ethics of Political Reconciliation	Stanford Humanities Center	\$40,000	9
Department or Office:	Program of Liberal Studies			
Turner, Julianne C.	Fostering Student Motivation in the Mathematics Classroom: A Collaborative Project with Teachers	Private Funding	\$39,710	12
Turner, Julianne C.	Fostering Student Motivation in the Mathematics Classroom: A Collaborative Project with Teachers	Private Funding	\$40,000	9
Department or Office:	Psychology			
Bergeman, Cindy S. Boker, Steven M. Lubke, Gitta Chow, Sy Miin Ong, Anthony	Notre Dame Study of Resiliency in Later Life	National Institutes of Health	\$375,000	12

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Kim, Irene J.	Youths' Emotion Regulation In Korean Immigrant Families	National Institutes of Health	\$75,000	12
Department or Office:	Radiation Laboratory			
Ferraudi, Guillermo J.	Inter-American Materials Collaboration: Photochemical and Photophysical Processes	National Science Foundation	\$8,000	24
Department or Office:	Romance Languages and Literatures			
Anadon, Jose	The Unpublished Letters of Gabriela Mistral	Private Funding	\$40,000	9
Ryan-Scheutz, Colleen M.	Povere e Belle: Women in Italian Cinema of the First Republic (1945-1991)	Private Funding	\$75,834	9
Welle, John P.	Tales of Cinematic Customs: Early Film in Italian Narrative	Private Funding	\$40,000	9
Welle, John P.	Tales of Cinematic Customs: Early Film in Italian Narrative	Private Funding	\$50,000	9
Department or Office:	Sociology			
Cardenas, Gilberto	DDS: Transnational and Trans-local Practices of Migratory Circuits from Michoacan and Illinois	National Science Foundation	\$7,500	12

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Fishman, Robert M.	Enduring Legacies of Revolution and Reform: Comparing Democracy in Portugal and Spain	Private Funding	\$40,000	9
Department or Office:	Theology			
Groody, Daniel G.	Strangers No Longer: A Video Development Project	Private Funding	\$52,660	6
Ulrich, Eugene C. VanderKam, James C.	The Dead Sea Scrolls Project	National Endowment for the Humanities	\$512,424	24

Proposals for Instructional Programs

Department or Office:	Management			
Woo, Carolyn Y.	Forethought: Knowing and Shaping the Future	Corporate Funding	\$141,863	10

Awards and Proposal Summary**Centers and Institutes Report**

10/01/2004 to 10/31/2004

Awards Received

Department or Office	No.	Amount
Center for Astrophysics	1	\$40,000
Center for Environmental Science and Technology	1	\$7,500
Center for Flow Physics and Control	1	\$50,000
Institute for Educational Initiatives	2	\$85,500
Institute for Latino Studies	2	\$70,000
Nano Science and Technology Center	3	\$465,000
Radiation Laboratory	1	\$3,380,000
Total:	11	\$4,098,000

Proposals Submitted

Department or Office	No.	Amount
Center for Flow Physics and Control	3	\$168,711
Center for Molecularly Engineered Materials	1	\$150,000
Center for Transgene Research	1	\$375,000
Center for Zebrafish Research	1	\$350,000
Institute for Educational Initiatives	2	\$79,710
Institute for Latino Studies	3	\$160,136
Nano Science and Technology Center	9	\$3,421,168
Radiation Laboratory	1	\$8,000
Reilly Center for Science, Technology and Values	1	\$37,500
Walther Cancer Research Center	4	\$1,289,710
Total:	26	\$6,039,935

Awards and Proposal Summary

Centers and Institutes Report

07/01/2004 to 10/31/2004

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Center for Applied Mathematics	1	\$302,729
Center for Astrophysics	2	\$120,000
Center for Children and Families	1	\$1,629,988
Center for Environmental Science and Technology	2	\$135,518
Center for Flow Physics and Control	3	\$163,638
Center for Molecularly Engineered Materials	1	\$337,908
Center for Transgene Research	1	\$86,625
Center for Tropical Disease Research & Training	5	\$4,380,176
Center for Zebrafish Research	2	\$9,576
Environmental Molecular Science Institute	1	\$1,000,000
Environmental Research Center	2	\$431,265
Institute for Church Life	1	\$80,000
Institute for Educational Initiatives	2	\$85,500
Institute for Latino Studies	8	\$860,000
Interdisciplinary Center for the Study of Biocomplexity	1	\$160,160
Kellogg Institute for International Studies	1	\$299,738
Nano Science and Technology Center	12	\$3,084,375
Nanovic Institute	1	\$121,927
Nuclear Structure Laboratory	2	\$2,055,080
Radiation Laboratory	1	\$3,380,000
South Bend Center for Medical Education	1	\$226,336
Walther Cancer Research Center	1	\$138,105
Total:	53	\$19,154,244

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	2	\$156,800
Center for Flow Physics and Control	8	\$2,421,105
Center for Microfluidics and Medical Diagnostics	2	\$694,164
Center for Molecularly Engineered Materials	1	\$150,000
Center for Social Concerns	1	\$20,000
Center for Transgene Research	4	\$901,500
Center for Tropical Disease Research & Training	7	\$9,091,152
Center for Zebrafish Research	1	\$350,000

Awards and Proposal Summary**Centers and Institutes Report**

07/01/2004 to 10/31/2004

Department or Office	No.	Amount
Freimann Life Science Center	1	\$4,943
Institute for Church Life	1	\$1,475
Institute for Educational Initiatives	2	\$79,710
Institute for Latino Studies	16	\$1,756,262
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	2	\$2,016,885
Nano Science and Technology Center	26	\$19,174,335
Nuclear Structure Laboratory	1	\$5,038,680
Radiation Laboratory	4	\$74,183
Reilly Center for Science, Technology and Values	1	\$37,500
Robinson Community Learning Center	1	\$199,947
Walther Cancer Research Center	7	\$1,814,688
Total:	89	\$44,023,329

Awards received during the period Oct-01-2004 to Oct-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Center for Astrophysics				
Garnavich, Peter M. (Center or Institute)	PANS-Probing Acceleration Now with Supernovae	Private Funding	\$40,000	006385-001
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	\$7,500	000360-001
Department or Office: Center for Flow Physics and Control				
Morris, Scott C. (Center or Institute)	Experiments in Sound and Structured Vibration Using Air-Analog Model Ducted Propulsion Systems	Department of Navy	\$50,000	006242-001
Department or Office: Institute for Educational Initiatives				
Johnstone, Joyce V. (Center or Institute)	ACE-EDU Outreach	Private Funding	\$46,000	005761-001
Johnstone, Joyce V. (Center or Institute)	ACE-EDU Outreach	Private Funding	\$39,500	005761-001
Department or Office: Institute for Latino Studies				
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Advancing Knowledge of Metropolitan Chicago's Growing Latino Population	Private Funding	\$31,000	006396-001
Cardenas, Gilberto Ready, Timothy (Center or Institute)	Advancing Knowledge of Metropolitan Chicago's Growing Latino Population	Private Funding	\$39,000	006395-001
Department or Office: Nano Science and Technology Center				
Prod, Wolfgang (Center or Institute)	Physically-Coupled Nanostructures for Locally-Interconnected Circuit Architectures	Department of Navy	\$150,000	005927-001

Awards received during the period Oct-01-2004 to Oct-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Jena, Debdeep (Center or Institute)	Distributed Polarization Induced P-Type Doping in III-V Nitride Semiconductors	Department of Navy	\$90,000	006123-001
Seabaugh, Alan C. Fay, Patrick J. Bernstein, Gary H. (Center or Institute) Collins, Oliver M.	Mixed Signal Nanoelectronics	Department of Navy	\$225,000	005813-001
Department or Office:	Radiation Laboratory			
Carmichael, Ian C. Ferraudi, Guillermo J. Kamat, Prashant V. Madden, Keith P. LaVerne, Jay A. Guldi, Dirk M. Hug, Gordon L. Chipman, Daniel M. Tripathi, Gorakh Nath R. Bentley, John J. Pimblott, Simon M. Meisel, Dan Bartels, David M. (Center or Institute)	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$3,380,000	006378-001

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Flow Physics and Control			
Jumper, Eric J.	Optical Characteristics of Atomspheric Turbulence	Corporate Funding	\$29,617	05040220
Jumper, Eric J. Gordeyev, Stanislav V. Cavalieri, David	CFD Based Directed Energy Facility Interface Modeling and Simulation	Corporate Funding	\$79,990	05040235
Mueller, Thomas J. Morris, Scott C.	An Experimental Study of Trailing Edge Noise	Department of Navy	\$59,104	05040245
Department or Office:	Center for Molecularly Engineered Materials			
Ostafin, Agnes E.	Development of Biocompatiable and Immunospecific Nanoparticles	National Institutes of Health	\$150,000	05040182
Department or Office:	Center for Transgene Research			
Castellino, Francis J.	Plasminogen and Plasmin: Structure and Function	National Institutes of Health	\$375,000	05040246
Department or Office:	Center for Zebrafish Research			
Hinchcliffe, Edward H.	Mechanisms of Centrosome Reproduction in Animal Cells	National Institutes of Health	\$350,000	05040250

Proposals submitted during the period Oct-01-2004 to Oct-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Institute for Educational Initiatives			
Turner, Julianne C.	Fostering Student Motivation in the Mathematics Classroom: A Collaborative Project with Teachers	Private Funding	\$39,710	05040200
Turner, Julianne C.	Fostering Student Motivation in the Mathematics Classroom: A Collaborative Project with Teachers	Private Funding	\$40,000	05040251
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	DDS: Transnational and Trans-local Practices of Migratory Circuits from Michoacan and Illinois	National Science Foundation	\$7,500	05040218
Hero, Rodney E.	Latino Incorporation in a Changing America: The Latino National Survey	Private Funding	\$99,976	05040238
Groody, Daniel G.	Strangers No Longer: A Video Development Project	Private Funding	\$52,660	05040227
Department or Office:	Nano Science and Technology Center			
Lent, Craig S.	Fundamental Limits of Power Dissipation in Computation	National Science Foundation	\$629,879	05040186

Proposals submitted during the period Oct-01-2004 to Oct-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Orlov, Alexei Snider, Gregory L.	Single-Electron Memory Using Atomic-Layer-Deposition of High-k Barrier Dielectrics	National Science Foundation	\$278,380	05040193
Hall, Douglas C.	High-Index-Contrast Ridge Waveguides and Lasers Enabled by Nonselective Wet Oxidation	National Science Foundation	\$389,719	05040202
Eskildsen, Morten R. Bernstein, Gary H. Janko, Boldizar	Coupled Topological Singularities-A Joint Experimental and Theoretical Study of Hybrid Vortex Matter in Superconductor-Permalloy Heterostructures	National Science Foundation	\$791,519	05040243
Merz, James L.	Injection Quantum-dot Laser Using a Photonic-crystal Cavity	State University of New York-Albany	\$316,296	05040237
Hall, Douglas C. Xing, Huili Jena, Debdeep	AlGaN Oxidation for RF Applications	Corporate Funding	\$49,887	05040224
Snider, Gregory L. Orlov, Alexei Fay, Patrick J.	Characteristics of High-Speed Carbon Nanotube Devices	National Science Foundation	\$361,361	05040204

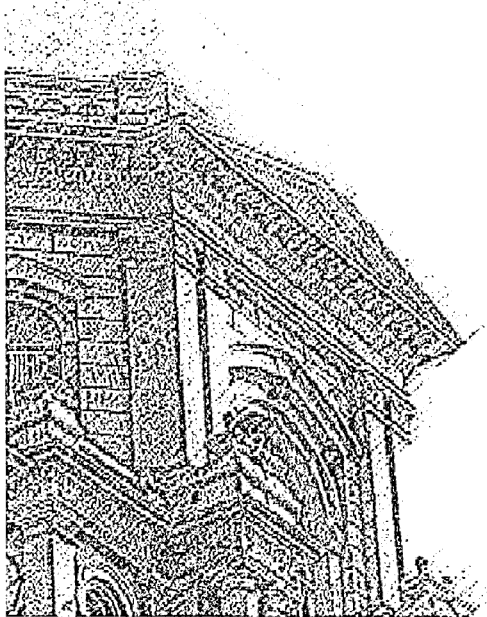
Proposals submitted during the period Oct-01-2004 to Oct-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Snider, Gregory L.	A New Paradigm in Power Electronics: Feasibility of Optically-Switched Power Systems	National Science Foundation	\$119,999	05040203
Jena, Debdeep Seabaugh, Alan C. Kosel, Thomas H.	Nitride-Based Resonant Tunneling: Physics and Technology	National Science Foundation	\$484,128	05040199
Department or Office:	Radiation Laboratory			
Ferraudi, Guillermo J.	Inter-American Materials Collaboration: Photochemical and Photophysical Processes	National Science Foundation	\$8,000	05040228
Department or Office:	Reilly Center for Science, Technology and Values			
Alpert, Sheri A. Shrader-Frechette, Kristin	The Ethics of Workplace Genetic Screening	National Institutes of Health	\$37,500	05040183
Department or Office:	Walther Cancer Research Center			
Vaughan, Kevin T.	The Microtubule Binding Activity of Dynactin and Search-Capture	Private Funding	\$668,462	05040222
Taylor, Richard E.	Polyketides: Synthetic and Biological Studies	National Institutes of Health	\$262,500	05040231
Helquist, Paul Wiest, Olaf G.	Structure of the Low Molecular Weight Phosphatases	Purdue University	\$96,248	05040233

Proposals submitted during the period Oct-01-2004 to Oct-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Taylor, Richard E.	Conformation-Activity Relationships	National Institutes of Health	\$262,500	05040234

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Notre Dame Media Group
502 Grace Hall
Notre Dame IN 46556-5612
e-mail: ndreport@nd.edu

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