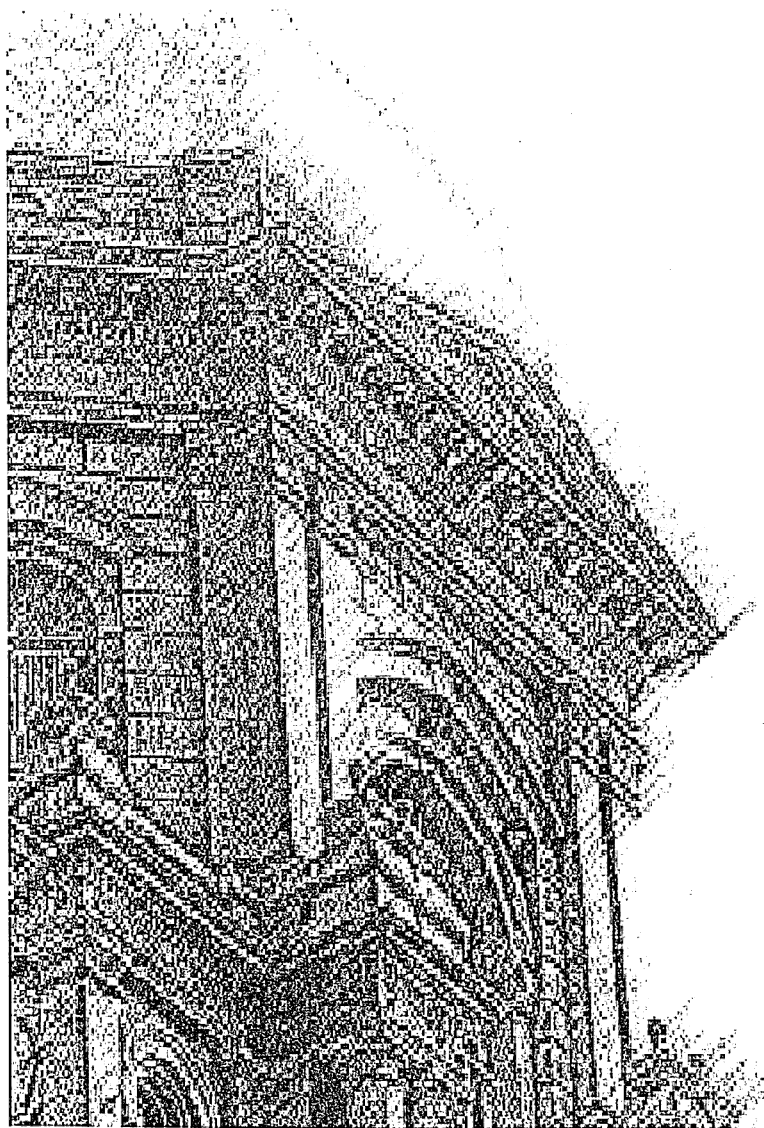


Notre Dame Report



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Faculty Notes

Honors

David M. Betson, associate professor of economics and policy studies, was named a national associate of the National Academy of Science.

Paquita Friday, assistant professor of accountancy, was named a "Rising Star" by *Black Issues in Higher Education*.

Guillermo O'Donnell, the Helen Kellogg Professor of Government, was appointed a member of the editorial board of the *Revista Iberoamericana de Derechos Humanos* (Mexico), and the *Brazilian Political Science Review*; and was appointed a member of the international advisory board of the Center on Accountability, Legality and Rule of Law, created at FLACSO Mexico.

Thomas Scheck, the Bradley Fellow in the Jacques Maritain Center, was named a senior fellow of the St. Paul Center for Biblical Theology.

Hannelore Weber, associate professional specialist in the Dept. of German and Russian Languages and Literatures, was elected president of the Indiana Chapter of the American Association of Teachers of German.

Activities

Joseph P. Bauer, professor of law, was an invited panelist at the "Copyright and Licensing Workshop" sponsored by the University Libraries, Notre Dame, Nov. 17.

Kathleen Biddick, professor of history, presented "Blood in the Archive: The Violence of Missing Objects" at the American Historical Association meeting in Seattle, Jan. 8.

Jianguo Cao, professor of mathematics, presented an invited lecture titled "Open Kahler Manifold with Positive Bi-Sectional Curvature in Diffeomorphic to C^n " at the American Mathematical Society meeting, Jan. 6, Atlanta, Ga.

E. Jane Doering, associate professional specialist, concurrent assistant professor of college seminar, and executive director of the Teachers as Scholars Program at Notre Dame, was invited to open the annual meeting of *L'Association pour l'étude de la pensée de Simone Weil* in Paris, in October with "Convergence d'idées à New York: Camus, Chiaromonte et Weil."

Umesh Garg, professor of physics, presented "The Nuclear Equation of State," an invited graduate seminar, at the Inter-University Center, Kolkata, India, Oct. 20.

Teresa Ghilarducci, associate professor of economics, director of the Higgins Labor Research Center, and Nanovic Institute, Kroc Institute, and Kellogg Institute fellow, presented two papers at the Industrial Relations Research Association annual meeting held in conjunction with the Allied Social Science Associations in Philadelphia, Jan. 7-9: "Did ERISA Fail Us Because Firms' Pension Funding Practices Are Perverse?" with **Wei Sun**, assistant professional specialist in the Institute for Latino Studies, and "Small Firm Pension Coverage, Multiemployer Plans, and Middle Class Workers" with **Mary Lee**, assistant professional specialist in the Laboratory for Social Research, and L. Wescher.

Gordon L. Hug, instrumentation coordinator in the Radiation Laboratory, presented "Photochemistry of 1,3,5-Trithianes in Solution: Steady-State and Laser Flash Photolysis Studies" at the "Inter-American Photochemical Society 16th Winter Conference," Clearwater Beach, Fla., Jan. 6-9.

Kwan S. Kim, professor of economics and policy studies and fellow of the Kellogg Institute, organized and chaired a joint AEA-KAEA session titled "Performances of Diversified Business Firms" at the American Economic Association conference in Philadelphia on Jan. 8, where he also served as a discussant of a paper titled "Corporate Strategies and Performances of Korean Firm—the Unified Theory of the Firm Perspective" by H.Y. Park.

Dan Meisel, professor of chemistry and biochemistry, served on the National Science Foundation panel on "Biosystems at the Nanoscale" of the "Nanoscale Science and Engineering Initiative," Arlington, Va., Jan. 12-14.

Ryan K. Roeder, assistant professor of aerospace and mechanical engineering, presented the invited lecture "Materials Chemistry in the Study of Bone and Bone Substitutes," Dept. of Chemical Engineering, Oklahoma State Univ., Stillwater, Nov. 30.

Mark R. Schurr, associate professor of anthropology, attended an advisory board meeting for the Lubeznik Center for the Arts, Michigan City, on Jan. 4, to assist with their grand proposal "Sand Steel Spirit: Enriching Lakeshore Tourism through the Humanities."

James Sullivan, assistant professor, Dept. of Economics and Econometrics, presented "Welfare Reform, Saving, and Vehicle Ownership for the Poor: Do Asset Tests and Vehicle Exemptions Matter?" at the Univ. of Michigan, Dec. 13, and at the American Economic Association annual meeting, Jan. 5.

Thomas Gordon Smith, professor of architecture, presented "The Strength, Function, and Beauty of Catholic Architecture" for the Notre Dame Center for Culture and Ethics conference "Epiphanies of Beauty" on Nov. 20; and was filmed in a guest appearance for a segment of the public television program, *This Old House*, where he discussed Greek revival architecture. He also served as a juror for the Palladio Awards, a national architectural competition, in January in New York.

Publications

Jianguo Cao, professor of mathematics, published "The Smoothness of Riemannian Submersions with Non-Negative Sectional Curvature" with **Mei-Chi Shaw**, professor of mathematics, in *Communications in Contemporary Mathematics* 7, No. 1 (2005): 1-8.

Daniel M. Chipman, professional specialist in the Radiation Laboratory, published "Excited Electronic States of Small Water Clusters" in *The Journal of Chemical Physics* 122 (2005): 044111-1-10

John Duffy, assistant professor of English and director of the University Writing Center, published "Letters from the Fair City: A Rhetorical Conception of Literacy" in *College Composition and Communication* 56, No. 2 (Dec).

Agustin Fuentes, associate professor of anthropology, published "Displaced Hylobatids: Cultural and Economic Aspects of the Primate Trade in Jawa and Bali, Indonesia" with N.M. Malone, A.R. Purnama, and I.M.W. Adi Putra, *Tropical Biodiversity* 8, No. 10 (2004): 41–49.

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineer, published "Organization of Supramolecular Assembly of 9-mesityl-10-Carboxymethylacridinium Ion and Fullerene Clusters on TiO₂ Nanoparticles for Light Energy Conversion" with T. Hasobe, S. Hattori, Y. Wada, and S. Fukuzumi, *Journal of Materials Chemistry* 15 (2005): 372–380; and "Photochemistry and Electrochemistry of Nanoassemblies" in *The Chemistry of Nanomaterials: Synthesis, Properties and Applications*, C.N.R. Rao, A. Müller, and A.K. Cheetham, eds. (Weinheim: Wiley-VCH, 2005): 620–645.

Jay A. LaVerne, professional specialist in the Radiation Laboratory, published "Pulse Radiolysis of Aqueous Thiocyanate Solution" with B.H. Milosavljevic, *Journal of Physical Chemistry A* 109, No. 1 (2005): 165–168.

Jeffrey M. McGowan, adjunct professor of accountancy, published "State Tax Residency Issues" in *The Tax Advisor* (December).

Juan Migliore, professor of mathematics, published "Minimal Resolution of Relatively Compressed Level Algebras" with R. Miró-Roig and U. Nagel, *Journal of Algebra* 284 (2005): 333–370.

Rev. Ronald J. Nuzzi, director, ACE Leadership program, published "U.S. Catholic Schools: Official Church Documents on Education" in *Private School Monitor*, No. 1 (fall): 1–10.

James S. O'Rourke, professional specialist and concurrent professor of management and director of the Fanning Center, published *Intercultural Communication for Business* with E.A. Tuleja (Mason, Ohio: Thomson South-Western Publishing,

2005); and "Martha Stewart Living Omnimedia, Inc.: The Fall of an American Icon," *Public Relations Review* 30 (2004) 447–457.

Thomas Gordon Smith, professor of architecture, published "Patterns and Books" in the February 2005 issue of *Traditional Building*. His architectural designs were recently published in "Eclectic Masterpiece: Diverse Influences Abound in a New Residence in Wisconsin" by H. Strasberg in *Period Homes* (winter); "Reimagining the Far West Side" by M. Magnet in *City Journal* (Autumn); and "Journal Proposes Classical Skyscrapers for New York's West Side" by S. Lubell in *Architectural Record* (Jan).

James L. Wittenbach, professor of accountancy, published "IRS Launches Assault on Frivolous Tax Evasion Schemes," *Practical Tax Strategies* 73, No. 6 (December): 359–368.

Eduardo Zambrano, assistant professor of finance, recently published "Counterfactual Reasoning and Common Knowledge of Rationality in Normal Form Games" in *Topics in Theoretical Economics* 4, No. 1 (2004).

University Council for Academic Technologies

November 18, 2004

Attending: Mark Alber, Kevin Barry (for Alex Hahn), Molly Gordon, Richard Gray, Roger Jacobs, Michael Kirsch, Tom Laughner, Dan Marmion, Bill McDonald, Harold Pace, Carole Pilkinton, Robert Stevenson, John Uhran, Olaf Wiest, Gordon Wishon. Guests: Chuck Crowell, Jan Labanowski Shiree Moreland, Tom Monaghan.

Absent: Al DeFrees, Rob Easley, Alex Hahn, Liz Loo, Dmitriy Orlov, Mark Schurr.

Welcome and Introductions of New Members

Gordon Wishon introduced Richard Gray, College of Arts & Letters, Director of the CCC.

Minutes Review and Announcements (All)

The committee approved the October minutes.

UCAT Subcommittees – Updates and Issues

• **University Academic Technical Training Committee (UATTC)** – Shiree Moreland, OIT's Manager of Technical Training Programs, distributed the Goals and Mission of the Advisory Committee for the University Academic Technical Training Committee, and she and Prof. Chuck Crowell led an extended discussion about a model for information literacy course. A one-credit course in FYS was one alternative suggested. It will be important for faculty to feel ownership in whatever is developed to improve information literacy. Ms. Moreland and Prof. Crowell asked for feedback and input on goals, on a simpler name for the committee, and on a model for obtaining representation from all colleges.

• **Learning Spaces** – In the absence of the chairperson, Molly Gordon gave a brief update on recent activities. The subcommittee will review the DeBartolo Hall upgrade proposal and spreadsheet at its November 19th meeting, and will see a presentation of photos and themes gathered from site visits to other universities to see innovative learning spaces.

• **Course Management System** – Tom Laughner reported that meetings have focused on integrating WebCT Vista with the Banner system and the portal. The initial rollout of the CMS will not include significant integration of Vista with the Banner Student-Faculty Information System (SFIS), but the following year will bring greater integration to create a "faculty experience." Attempting to influence integration by local vendors.

• **Software Subcommittee** – Olaf Wiest reported that Mary Toll, OIT's Software License Administrator, has provided substantial information and updated the database on the software we currently license. Prof. Wiest is recruiting additional representatives for the Software Subcommittee, and expects the Subcommittee to become much more active during Spring semester.

Other Updates and Issues

• **Student-Faculty Information System (SFIS) Steering Committee** – Harold Pace, Registrar, reports that the SFIS module is currently partially complete. The SFIS team has been working since April, and the Course Management System team has

been working with SFIS team on integration testing. The integration of the two systems is very complex. The Admissions function is operating in production, taking applications and trying to send acceptances by Dec. 15th. A group is working on a communication plan for campus, especially to teach faculty how to use the online class list. The group will be training departments in how to build a class schedule during December and January. Faculty will be grading in the old system until summer and fall. This project still is on track and within budget. In the future, it will integrate with housing, finance, and other systems.

• **OIT's Budget Requests** – This year's Academic IT Needs Assessment drove the creation of several budget requests. The OIT requested a 5-year, \$4.5M program to upgrade the cable plant, with highest bandwidth needs addressed first; a 4-year, \$2M request to rethink and reconfigure learning spaces, and a 2-year, \$1.3M request to address DBRT needs. Initial indications that the request will be supported are positive. Mr. Wishon will advance funds to begin immediately this fiscal year on some of the most crucial needs.

• **Establishment of a classroom committee** – Dr. Pace reported on a meeting with Associate Provosts Dennis Jacobs & Chris Maziar to bring them up to date on what has transpired since the Academic Council authorized establishment of a University classroom committee in 2002. A copy of the resolution was distributed. As it stands now, faculty have a limited voice in classroom design, with some exceptions. There also was a recommendation on classroom improvements in 2002. A common interface to the technology in each classroom is very desirable, along with flexibility to accommodate different teaching styles and make support easier. A common technology that is flexible, and a good model for support, are needed. It is also proposed that Maintenance, Upgrade, Replacement (MUR) funding should be revised to accommodate new projects and the growth of the size of the asset base. Notre Dame should approach capital investments in a planned way, rather than managing crises. Prof. Maziar agreed to move forward on forming the classroom committee.

• **Committee for Technical Computing (CTC)** – The CTC originally was a sub-

committee of the University Committee for Computing & Information Services (UCCIS), the predecessor of the UCAT. Mr. Wishon has suggested that a Research Infrastructure subcommittee be formed as a subcommittee of the UCAT, and that the CTC be disbanded. Initial reaction from the chairperson of the CTC was positive. The CTC now serves the High Performance Computing area plus the "nitty gritty" of high performance clusters. Mr. Wishon will present this suggestion at the next meeting of the CTC, and then will come back to the UCAT with a proposal. There is concern that we preserve the impact of the CTC, because it has been valuable and influential.

• **DeBartolo Upgrade** – The technology in DeBartolo is 14 years old and rapidly failing. As mentioned previously, the OIT requested \$1.3M in funding during the budget process to upgrade and replace equipment in all classrooms that currently are equipped, and to add it to small seminar rooms in the building that never had technology. OIT also is planning to redesign selected learning spaces on campus, particularly some clusters that no longer meet the needs of students in the most effective way. OIT personnel, and the UCAT Learning Spaces subcommittee made several site visits during the spring and summer, and have identified major themes in providing technology resources to students in new ways, among them increased flexibility, collaborative work spaces, mixing social and work spaces, and providing before and after class opportunities to interact. OIT would like to identify a cluster and adjacent space to design a new facility that better meets students' needs.

• **General concerns** – Members would like to explore how the UCAT, which is focused on strategy and policy, integrate with more technical issues and priorities? It may be important to more tightly couple the activities of the non-OIT IT Directors group and the Town Hall meetings. It was suggested that minutes from the non-OIT IT Directors meetings be sent to the UCAT. Molly Gordon also will have UCAT members added to the announcements of Town Hall meetings, so they can attend if they're interested.

Future meeting topics: Presentation on IT Architecture; presentation on password changes.

Coming UCAT Meetings:

Friday, Dec. 10, 2004 – 10:00 a.m. – 11:30 a.m.

Giovanini Commons C, Mendoza College of Business

Spring Semester (meeting locations to be announced)

Monday, Jan. 10, 2005 – 10:30 – noon

Friday, Feb. 11, 2005 – 9:30 – 11:00 a.m.

Tuesday, Mar. 15, 2005 – 9:00 – 10:30 a.m.

Thursday, Apr. 14, 2005 – 3:00 – 4:30 p.m.

Wednesday, May 11, 2005 – 10:00 – 11:30 a.m.

University Committee on Libraries Annual Report, 2003–2004

May 4, 2004, Revised September 27, 2004

As it has for the past few years, the 2003–04 incarnation of the University Committee on Libraries (UCL) continued to struggle with reconciling Notre Dame's rising scholarly ambitions with declining library resources.

The Committee has informed the Academic Council on numerous occasions of the special plight of the library, which experienced not only the recent budget cuts familiar to most units on campus, but also disproportionate additional and cumulative erosion of resources owing to the well-documented hyperinflation of library materials worldwide. Substantial "Colloquy for the Year 2000" allocations both advanced the library and met inflationary demands from 1995/96 through 2000/01 partially insulating Notre Dame from the emerging crisis in scholarly publishing. We are now losing ground, however, as the University budget cuts, decreased endowment funding and a disadvantage exchange rate of the dollar against the Euro produced an effective decrease in library materials funding of approximately 14%.

Budget cuts in collections and personnel

Symptomatic of the library's difficulties are the multiple waves of serial cancellations

documented in this annual report over the past few years. Hundreds of previously-available journals are no longer available on campus. While print cancellations projects in prior years targeted seldom-used titles and duplicate titles available in electronic formats, essential titles not available in any other format have now been cancelled. Book purchases have also been sharply curtailed, creating significant collection gaps that will only get more expensive to fill as time goes by. Prior discussions of the wisdom of investing in electronic versus paper copies of library materials have been obviated by the reality that subscriptions in duplicate format are unaffordable. Similarly, serious debates are underway about cancelling subscriptions to the e-journal packages with resubscriptions possible only for a small number of those titles. Fiscal 2003-04 saw almost \$1 million in reduced commitments for book and serial purchases. The budget cut of FY03/04 resulted in the loss of 12.75 FTE positions, necessitating a reduction of hours in selected service points. Bibliographers too were held out for special notice for having been stretched to the limit during this period.

Access to knowledge resources has declined steadily in the past few years. The productivity of scholars has likewise declined campus-wide. That Notre Dame is not alone in this dilemma is cold comfort for faculty and students striving for academic excellence.

The Committee commends the library for its outstanding use of cooperative arrangements to maximize access to scholarly materials. Especially helpful have been various consortial purchasing arrangements, inter-library loan and document delivery. The Libraries has moved, where possible, to purchase soft bound rather than hard bound books. The UCL also discussed the premise underlying "use-based" and "distinguished" collections, taking care not to conflate "frequency of use" with "importance."

Discussion of other matters

The Committee also discussed other matters critical to the Library's functioning. Among the most significant of those matters were:

1. The UCL discussed its role as a conduit for information exchange between the

library and the rest of the campus community. UCL's constituency is in some cases the library itself, when it represents faculty and student perspectives to the library Director and staff. In other cases, the UCL's constituency is the broader campus community, as when it represents library issues to students, staff, and faculty. While regular UCL meetings serve UCL's first function, it has been less effective in serving its second function, representing library issues to the campus community. Therefore, this year's UCL explored ways to communicate better with its broader campus audience. A sub-committee has been working with Cynthia Maciejczyk, Director of Communications, Projects, and Planning to formulate a comprehensive strategy.

2. Against the collective intuition of the Committee, the data make plain that technology still has yet to fulfill its tremendous promise for resource savings. Reference digitization is a clear example, where the up-front costs are enormous, and the enhanced access and low-cost distribution digitization permits are realized only very much later. Similarly, electronic serials packages are famously expensive. Even digital resource sharing technologies continue to cost more than their paper counterparts.

3. Free printing in the library has been reconsidered. Despite encouraging patrons to save digital copies of electronic materials, in the last year nearly 2 million copies have been produced at the printers in the Reference Dept. Some of the printed copies are abandoned while some large repetitive runs of flyers, petitions, and other non-library mass mailings are also being printed. While the UCL is committed to the ideal that one ought to be able to go to the library and get free access to scholarly materials, it recognizes that the library's free printing policies open it to abuses. In close consultation with student groups, it endorsed in principle the placing of library printers on the campus-wide print quota system for students and incrementing student quotas as appropriate. A final policy on library printing has yet to be established.

4. Academic units are differentially affected by budget problems. For example, electronic access to current serials benefits the sciences and social sciences more than the humanities, which rely more on books. Reducing book budgets in order to subsidize

spiraling electronic serials costs distorts acquisition priorities. Sustainable pricing and bundling practices must be pursued with commercial publishers to regain local control of collection decisions.

5. The library strategic plan was discussed extensively as were details of its implementation.

6. The growth and development aspirations of the University were discussed. Especially in cases where new initiatives are undertaken that involve foci other than those Notre Dame has traditionally pursued, creative new models of library capitalization need to be sought.

7. UCL contacted the Faculty Senate to offer a channel through which the Senate might secure information about the library should it consider a scholarly publishing resolution similar to those recently produced by faculty senates at other universities.

8. The Committee notes completion of the renovation to the lower level of the Hesburgh Library and its blessing by Fr. Hesburgh in a ceremony held September 18, 2003. Student behavior and seat counts clearly demonstrates the beneficial effect of an environment conducive to individual and/or group study.

9. New library services are also noted, including on-line renewal, self check-out, MyLibrary, email notification for recalls and renewals, as well as various internal and external web redesign efforts supporting increased self-service.

10. A survey of internal library communication has been completed with the assistance of an outside consultant. The Committee awaits the results of this survey.

11. Moderating demand for articles from journals to which the library does not subscribe was discussed as a means to control costs by steering use of convenience to available resources and by various cost sharing methods. A model for this practice that did not undermine the academic integrity of the research process was not immediately evident.

12. The Committee noted the successful grant applications coming from the University Libraries. The National Endowment for

the Humanities awarded the University Libraries a \$450,000 grant to aid in the preservation of more than 15,000 endangered 19th and early 20th century monographs documenting the Catholic tradition. In addition, smaller grants were received for geographic information systems equipment for the Engineering Library and a summer diversity program for high school students to work in the library.

In closing, the Committee also notes that the Provost is forming a University task force to set forth strategies for dealing with library needs in the context of University aspirations and the next campaign. As noted by the Provost:

"Over the last decade, the Libraries have experienced proportionally higher growth than the rest of the University. However, during this same time, increases in the costs of both scholarly books and journals have exceeded the rate of inflation. . ."

UCL is pleased to see that the Provost continues to recognize the serious difficulties faced by the Library and appreciates the ad hoc support it has received in recent years. We trust the Provost's blue ribbon committee will recognize the special plight of the libraries, which labors under the twin burdens of ordinary budget cuts and hyperinflation as it seeks to meet the demands of Notre Dame's rising scholarly ambitions. We look forward to working together as we formulate and implement the recommendations this process produces.

University Committee on Libraries

David A. Smith, Psychology, chair
John H. Adams, Biological Sciences
Gail Bederman, History
Harvey A. Bender, Biological Sciences
Wesley Calvert, Graduate Student Representative
Ryan Finlen, Undergraduate Student Representative
Roger Jacobs, Law School (*ex officio*)
Walter "Jack" Pratt, Law School
Mihir Sen, Aerospace & Mechanical Engineering
Marsha Stevenson, University Libraries
Charles Rosenberg, Art, Art History and Design
Stephen Silliman, Civil Engineering/Geological Sciences
John A. Weber, Marketing

Gordon Wishon, Office of Information Technology
Jennifer A. Younger, Director of Libraries (*ex officio*)

University Committee on Libraries

November 5, 2004

The meeting was called to order at 7:30 a.m. at Café DeGrasta by Chairman David Smith. Also in attendance were Craig Barbolla, Susan Blum, Wesley Calvert, Agnes Ostafin, Charles Rosenberg, Andrew Somese, Marsha Stevenson, John Weber, Gordon Wishon, Jennifer Younger, guests David Jenkins and Parker Ladwig, and secretary Melodie Eiteljorge.

The minutes of the meeting of September 29, 2004 were approved with an amendment.

Chair's Report: Smith reported that the committee's annual report has been submitted. We will append it to the minutes of this meeting. The report includes a link to the library website on the library materials budget.

Smith also encouraged committee members to contribute to the minutes when they are sent out in draft format so that we can more fully capture all details of the meeting.

Director's Report: As reported at the last meeting, student printing in the Hesburgh Library is now part of the campus-wide quota system. We discussed the possibility of increasing quotas on a course by course basis upon request. Wishon reported that the policy has been adjusted to accommodate this. At the committee's request, he will make sure this policy is communicated to the University community.

Younger reported that the Advisory Council for University Libraries met on October 21–23. David Smith joined them for one of the dinners. Much of the meeting focused on the new campaign. The Libraries' goals in the campaign are primarily: 1) money for information services and resources, and 2) the Hesburgh Library renovation.

For the new campaign, we are representing ourselves as the Hesburgh Library, which is intended to cover all of the libraries. The committee suggested using Hesburgh Libraries or the Hesburgh Library System in order to convey the inclusion of the branch libraries.

Younger circulated a new brochure, "The Libraries at Notre Dame." She thanked Marsha Stevenson, who was instrumental in putting together the brochure.

Weber noted that the College of Business has done a great job of promoting programs and services through a series of publications, with the help of professional designers. Younger responded that we are in the process of giving a facelift to our Access newsletter and that Advancement Officer Kathy Blackstead is also working with external designers.

Younger reported that the Libraries are conducting a survey to evaluate the role electronic journals play in faculty research and teaching activities, with the hope of gaining a better understanding of how these needs can best be served in an environment of declining budgets. They believe that the members of the University Committee on Libraries (UCL) are in an especially good position to give needed input. The survey includes 14 questions and will take approximately 30 minutes to complete. A request for participation will go out via email to the committee with a link to the survey.

Younger also congratulated chairman David Smith on being elected a fellow of the American Psychological Association (APA).

Library Task Force Update: Younger distributed copies of data prepared by the Libraries at the request of the task force. Charts were included for: Monograph & Serials Purchase Trends, Volume Counts for Top 20 Private Universities, Materials Expenditures for Top 20 Private Universities, and Acquisitions Allocations by College FY 2003–04. UCL members pointed out that there are additional factors that are not always reflected in statistics, including overhead for grants, materials purchased in one discipline but also used by people from other disciplines, and any additional capitalization of faculty by the colleges.

Younger noted that David Jenkins and Parker Ladwig had been invited to discuss the methodology used by the Libraries' Collection Development Committee (CDC) for analyzing packages over the summer. In order to cover their report, two agenda items were deferred: an update on the work of the Communications Working Group and UCL's presence on the web.

Jenkins and Ladwig distributed an overview The Methodology for Analyzing the Packages with the following outline:

The purpose: Maximizing use while minimizing cost.

Primary Factors:

- 1) Subscription cost outside the package (50% higher)
- 2) Use as measured by full-text downloads (full year statistics)
- 3) Cost per use

Key Assumptions:

- 1) Target for amount to be saved.
- 2) Commercial document delivery cost including the library's labor
- 3) Number of downloads to generate one mediated document delivery request

A spreadsheet followed, titled "Sample of the Analysis for the 972 Journals in the Kluwer/Springer Package"

Problems with the Methodology:

- 1) Using downloads as the only measure of use.
- 2) Determining the savings target.
- 3) Estimating the document delivery cost.
- 4) Estimating the ratio of downloads to document delivery requests.

Other Problems Discovered by the Library Collection Development Committee:

- 1) It is very labor intensive to:
 - cancel the package
 - re-subscribe to a new list of titles
 - maintain a list determined by cost/use
 - change our minds and re-instate the package.
- 2) The structure of the package could change (e.g., Springer and Kluwer merged in fall 2004.
- 3) We would be re-allocating resources based on cost/use.

There was a discussion of this report.

Weber stated that it is a good analysis, but he requested more transparency in the decision calculus. He asked how similar is our analysis to the factors being considered by other university libraries.

Younger noted that we were fortunate to have received funding from the provost so that we did not have to cancel the packages during the summer. However, the work of the committee was useful, and the same question will be coming up this spring.

In regard to estimating the ratio of downloads to document delivery requests, committee members pointed out other factors that may affect the outcome, such as the ease with which a request that does not result in an online article can be sent to inter-library loan. Some of this may be related to the structure of the website. The committee will discuss this further at a future meeting.

The meeting adjourned at 9:05 a.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

Research

Awards and Proposal Summary

12/01/2004 to 12/31/2004

Awards Received

Category	No.	Amount
Research	18	\$4,021,995
Total:	18	\$4,021,995

Proposals Submitted

Category	No.	Amount
Research	37	\$9,202,538
Instructional Programs	2	\$10,000
Total:	39	\$9,212,538

December 2004 Cumulative summary

Awards Received

	07.01.2002 - 12.31.2002		07.01.2003 - 12.31.2003		07.01.2004 - 12.31.2004	
Category	No.	Amount	No.	Amount	No.	Amount
Research	158	\$29,155,194	205	\$31,309,469	182	\$41,374,225
Facilities and Equipment						
Instructional Programs	10	\$1,333,710	8	\$1,166,443		
Other Programs			1	\$62,500		
Service Programs						
Total:	168	\$30,488,904	214	\$32,538,412	182	\$41,374,225

Proposals Submitted

	07.01.2002 - 12.31.2002		07.01.2003 - 12.31.2003		07.01.2004 - 12.31.2004	
Category	No.	Amount	No.	Amount	No.	Amount
Research	294	\$86,103,887	376	\$147,420,370	385	\$118,073,555
Facilities and Equipment						
Instructional Programs	7	\$3,253,080	2	\$88,533	8	\$2,404,950
Other Programs						
Service Programs						
Total:	301	\$89,356,967	378	\$147,508,903	393	\$120,478,505

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 Dec-01-2004 to Dec-31-2004

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	\$117,157	48
Jumper, Eric J. (Center or Institute)	Support the Development of an Aero-Optical Test Simulator Code	Corporate Funding	\$50,000	12
Mueller, Thomas J. Morris, Scott C. (Center or Institute)	An Experimental Study of Trailing Edge Noise	Department of Navy	\$27,000	47
Department or Office:	Biological Sciences			
Belovsky, Gary E.	Brine Shrimp Population Dynamics Research	Utah State University	\$51,040	36
Boyd, Sunny K.	Neuropeptide Modulation of a Vocal Motor Pathway	National Science Foundation	\$98,383	36
Diffley, Peter Weatherby, Dennis	Reducing the Cost of Graduate Attrition	Private Foundation	\$116,500	32
Olson, Kenneth R. (Center or Institute)	Developing a Non-Mammalian Model for the Study of Hypoxic Vasoconstriction	I.U. School Medicine	\$37,500	24
Suckow, Mark A. (Center or Institute)	Anti-Adhesive Tissue Scaffold	Private Foundation	\$1,137	5
Suckow, Mark A. (Center or Institute)	Anti-Adhesive Tissue Scaffold	Private Foundation	\$2,063	5
Department or Office:	Chemical and Biomolecular Engineering			
Brennecke, Joan F. Stadtherr, Mark A.	Subcontract from the Center for Environmentally Benign Catalysis	University of Kansas	\$58,959	18
Department or Office:	Chemistry and Biochemistry			
Castellino, Francis J. (Center or Institute)	Mechanism of Plasminogen Activator-1 Function in Angiogenesis	Private Foundation	\$52,000	24
Department or Office:	Civil Engineering and Geological Sciences			
Westerink, Joannes J	ADCIRC Hydrodynamic Circulation and Transport Code Development	Department of Army	\$10,000	59

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Electrical Engineering				
Snider, Gregory L. (Center or Institute)	Fabrication of Nanoscaled Systems	University of Virginia	\$25,000	36
Department or Office: History				
Appleby, Robert S. (Center or Institute)	Religion, Conflict and Peacebuilding	Private Foundation	\$325,000	48
Hatch, Nathan O. (Center or Institute)	Initiative to Recruit and Retain Intellectual Capital at the University of Notre Dame	Private Foundation	\$3,000,000	40
Department or Office: Physics				
Barabasi, Albert-Laszlo	Development of a Virtual Tumor	Private Foundation	\$22,256	11
Wayne, Mitchell R.	USCMS Hadron Calorimeter M&O	University of California-Los Angeles	\$18,000	12
Ruchti, Randal C.	Subsystem			
Hildreth, Michael D.				
Goussiou, Anna				
Department or Office: Radiation Laboratory				
LaVerne, Jay A. (Center or Institute)	Gas Generation and Modeling: Radiation Chemistry and Microdosimetry	Los Alamos National Laboratory	\$10,000	60

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

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C. Morris, Scott C.	Advanced Performance Gas Turbine Laboratory	Department of the Air Force	\$1,768,050	12
Schmid, Steven R. Niebur, Glen L.	Development of the Holey Schmid Material	Corporate Funding	\$99,906	36
Schmid, Steven R.	Textured Articulating Surfaces for Orthopedics Applications	Corporate Funding	\$99,906	36
Skaar, Steven B.	Robotic Depalletizing Prototype	Corporate Funding	\$47,500	12
Department or Office:	Center for Zebrafish Research			
Vihtelic, Thomas S.	Identification of Lens Development Genes	National Institutes of Health	\$259,875	12
Department or Office:	Chemical and Biomolecular Engineering			
Chang, Hsueh-Chia	Real-Time Detection of Foodborne Pathogens Using an Electrokinetic Lab-On-A-Chip	University of Tennessee-Knoxville	\$80,610	24
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	Physical Basis for T Cell Receptor Binding and Activity	National Institutes of Health	\$259,875	12
Kuno, Masaru K.	Photophysics of single nanowires homomaterial nanowire heterostructures	National Science Foundation	\$355,642	36
Mobashery, Shahriar	Ribosomal Function & Antibiotic Design	National Institutes of Health	\$282,318	12
Morris, Karen M. Pieronek, Catherine F.	The Frequent Flyer Project	National Science Foundation	\$454,487	60
Department or Office:	Classics, The			
Afsaruddin, Asma	Striving in the Path of God: Discursive Traditions on Jihad and the Cult of Martyrdom	Private Foundation	\$100,000	20
Department or Office:	Computer Science & Engineering			
Madey, Gregory R. Chaudhary, Amitabh Romero-Severson, Jeanne	Semantic Web-Services Composition: Toward a Unification of Bioinformatic Data	National Science Foundation	\$573,610	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Striegel, Aaron	Collaborative Research: Laboratory Practices for Embedded Computing	National Science Foundation	\$77,059	36
Department or Office:	Electrical Engineering			
Antsaklis, Panos J.	STTR: Phase I: Robust Routing Algorithms for Networked Control Systems	Corporate Funding	\$36,000	12
Antsaklis, Panos J.	STTR Phase I: Wireless Sensor/Actuator Networks for HVAC Systems	Corporate Funding	\$36,000	9
Collins, Oliver M.	Continuous Modulation From a Trellis With Digital Labels	National Science Foundation	\$465,984	36
Hall, Douglas C. Xing, Huili Jena, Debdeep	Manufacturing Improvements for GaN Devices	Corporate Funding	\$49,849	12
Laneman, J. N. Fuja, Thomas E. Costello, Daniel J. Haenggi, Martin	Delay-Constrained Multihop Transmission in Wireless Networks: Interaction of Coding, Channel Access, and Routing	National Science Foundation	\$507,209	36
Department or Office:	English			
Maurer, Sara L.	Possessive Dispossession: Ownership and National Feeling in the 19th Century English and Irish Novel	Oregon State University	\$32,000	9
Rodriguez, Jaime J.	American Myths and the Mexican War: Identity, Time, and the Narratives of Nations	National Research Council	\$41,500	9
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I.	Case Studies on the Teaching & Learning of Theology & Religion in Higher Education: Best Practices for Latinos	Private Foundation	\$70,000	19

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

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Office of the Provost				
Walvoord, Barbara E.	Teaching Introductory Theology and Religion: Disseminating the Lessons from the Practices of Fifty Outstanding Teachers	Private Foundation	\$69,994	8
Department or Office: Physics				
Barabasi, Albert-Laszlo	NetWorkBench	Indiana University Bloomington	\$170,114	48
Garg, Umesh	Research on Nuclei	Argonne National Laboratory	\$63,925	24
Department or Office: Political Science				
Dowd, Robert A.	Islam and Political Culture in Sub-Saharan Africa	Private Foundation	\$100,000	9
Philpott, James D.	The Ethics of Political Reconciliation	Harvard University	\$35,000	9
Philpott, James D.	The Ethics of Political Reconciliation	University of Virginia	\$35,000	9
Philpott, James D.	The Ethics of Political Reconciliation	Princeton University	\$42,000	9
Department or Office: Psychology				
Cummings, E. M.	Parental Dysphoria and Children's Emotional Security	National Institutes of Health	\$43,772	12
Cummings, E. M.	Child Regulation and Exposure to Marital Violence	Auburn University	\$57,866	12
Smith, David A.	Depression, Marital Discord, and Inter-spousal Criticism	National Institutes of Health	\$74,250	12
Department or Office: Radiation Laboratory				
Ferraudi, Guillermo J. Carmichael, Ian C. Lappin, Alexander G.	Macrocyclic Complex Hydrogenation/Dehydroge for Solar H2 Generation	Department of Energy	\$854,498	36
LaVerne, Jay A. Pimblott, Simon M. Kamat, Prashant V.	Hydrogen Production Using High Conduction Band Materials	Department of Energy	\$786,526	36

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

Investigator(s)	Title	Sponsor	Dollars	Months
Meisel, Dan Gezelter, J. D. Bartels, David M.	Photochemical and Radiolytic H2 Generation at Elevated Temperatures	Department of Energy	\$586,777	36
Department or Office:	Romance Languages and Literatures			
Welle, John P.	Tales of Cinematic Customs: Early Film in Italian Narrative	Private Foundation	\$20,000	9
Department or Office:	Sociology			
Cardenas, Gilberto	Latino Leadership Evaluation Dissemination	Private Foundation	\$25,000	12
Sikkink, David H. Campbell, David E. Emerson, Michael O.	The Dynamics of Spiritual Capital in United States Congregations	Private Foundation	\$540,436	30
<u>Proposals for Instructional Programs</u>				
Department or Office:	University Libraries			
Warner, Joni E.	Engage Student Learning of Information Seeking Skills	Indiana State Library	\$5,000	15
Department or Office:	Upward Bound			
Coates, Alyssia J.	Student Parent Leadership Conference	Private Foundation	\$5,000	1

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

12/01/2004 to 12/31/2004

Awards Received

Department or Office	No.	Amount
Center for Flow Physics and Control	2	\$77,000
Center for Transgene Research	1	\$52,000
Freimann Life Science Center	2	\$3,200
Kroc Institute for International Peace Studies	1	\$325,000
Nano Science and Technology Center	1	\$25,000
Office of the Provost	1	\$3,000,000
Radiation Laboratory	1	\$10,000
South Bend Center for Medical Education	1	\$37,500
Total:	10	\$3,529,700

Proposals Submitted

Department or Office	No.	Amount
Center for Microfluidics and Medical Diagnostics	1	\$80,610
Center for Zebrafish Research	1	\$259,875
Institute for Educational Initiatives	1	\$69,994
Institute for Latino Studies	2	\$95,000
Nano Science and Technology Center	1	\$49,849
Radiation Laboratory	3	\$2,227,801
Total:	9	\$2,783,129

Awards and Proposal Summary

Centers and Institutes Report

07/01/2004 to 12/31/2004

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Center for Applied Mathematics	1	\$302,729
Center for Astrophysics	3	\$155,000
Center for Children and Families	1	\$1,629,988
Center for Environmental Science and Technology	2	\$135,518
Center for Flow Physics and Control	8	\$424,346
Center for Molecularly Engineered Materials	1	\$337,908
Center for Transgene Research	2	\$138,625
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
Freimann Life Science Center	3	\$6,536
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
Jacques Maritain Center	1	\$25,000
Kellogg Institute for International Studies	2	\$316,013
Kroc Institute for International Peace Studies	2	\$341,469
Nano Science and Technology Center	14	\$3,909,375
Nanovic Institute	1	\$121,927
Nuclear Structure Laboratory	2	\$2,055,080
Office of the Provost	1	\$3,000,000
Radiation Laboratory	2	\$3,390,000
South Bend Center for Medical Education	2	\$263,836
Walther Cancer Research Center	1	\$138,105
Total:	72	\$23,763,732

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	10	\$2,010,047
Center for Flow Physics and Control	9	\$2,621,105
Center for Microfluidics and Medical Diagnostics	3	\$774,774
Center for Molecularly Engineered Materials	1	\$150,000

Awards and Proposal Summary**Centers and Institutes Report****07/01/2004 to 12/31/2004**

Department or Office	No.	Amount
Center for Social Concerns	1	\$20,000
Center for Transgene Research	5	\$921,500
Center for Tropical Disease Research & Training	9	\$10,043,236
Center for Zebrafish Research	2	\$609,875
Environmental Research Center	2	\$13,542
Freimann Life Science Center	3	\$8,143
Institute for Church Life	2	\$46,474
Institute for Educational Initiatives	5	\$211,704
Institute for Latino Studies	20	\$2,042,912
Kellogg Institute for International Studies	1	\$793,129
Keough Institute for Irish Studies	1	\$40,000
Kroc Institute for International Peace Studies	2	\$2,016,885
Nano Science and Technology Center	34	\$26,719,287
Nuclear Structure Laboratory	1	\$5,038,680
Radiation Laboratory	8	\$2,411,924
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:	128	\$58,545,352

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

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Center for Flow Physics and Control				
Mueller, Thomas J. Morris, Scott C. (Center or Institute)	An Experimental Study of Trailing Edge Noise	Department of Navy	\$27,000	005894-001
Jumper, Eric J. (Center or Institute)	Support the Development of an Aero-Optical Test Simulator Code	Corporate Funding	\$50,000	006410-001
Department or Office: Center for Transgene Research				
Castellino, Francis J. (Center or Institute)	Mechanism of Plasminogen Activator-1 Function in Angiogenesis	Private Foundation	\$52,000	006412-001
Department or Office: Freimann Life Science Center				
Suckow, Mark A. (Center or Institute)	Anti-Adhesive Tissue Scaffold	Corporate Funding	\$1,137	006215-001
Suckow, Mark A. (Center or Institute)	Anti-Adhesive Tissue Scaffold	Corporate Funding	\$2,063	006215-001
Department or Office: Kroc Institute for International Peace Studies				
Appleby, Robert S. (Center or Institute)	Religion, Conflict and Peacebuilding	Private Foundation	\$325,000	006413-001
Department or Office: Nano Science and Technology Center				
Snider, Gregory L. (Center or Institute)	Fabrication of Nanoscaled Systems	University of Virginia	\$25,000	005982-001
Department or Office: Office of the Provost				
Hatch, Nathan O. (Center or Institute)	Initiative to Recruit and Retain Intellectual Capital at the University of Notre Dame	Private Foundation	\$3,000,000	006414-001

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

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Radiation Laboratory				
LaVerne, Jay A. (Center or Institute)	Gas Generation and Modeling: Radiation Chemistry and Microdosimetry	Los Alamos National Laboratory	\$10,000	005990-001
Department or Office: South Bend Center for Medical Education				
Olson, Kenneth R. (Center or Institute)	Developing a Non-Mammalian Model for the Study of Hypoxic Vasoconstriction	I.U. School Medicine	\$37,500	005955-001

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

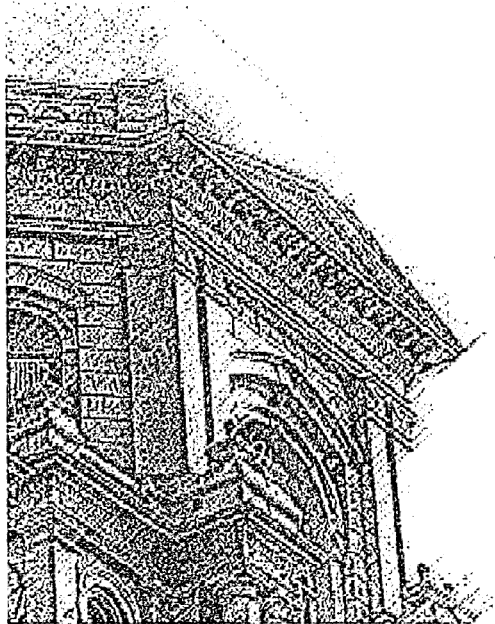
Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Microfluidics and Medical Diagnostics			
Chang, Hsueh-Chia	Real-Time Detection of Foodborne Pathogens Using an Electrokinetic Lab-On-A-Chip	University of Tennessee-Knoxville	\$80,610	05060374
Department or Office:	Center for Zebrafish Research			
Vihtelic, Thomas S.	Identification of Lens Development Genes	National Institutes of Health	\$259,875	05060396
Department or Office:	Institute for Educational Initiatives			
Walvoord, Barbara E.	Teaching Introductory Theology and Religion: Disseminating the Lessons from the Practices of Fifty Outstanding Teachers	Private Foundation	\$69,994	05060363
Department or Office:	Institute for Latino Studies			
Cardenas, Gilberto	Latino Leadership Evaluation Dissemination	Private Foundation	\$25,000	05060378
Hernandez, Edwin I.	Case Studies on the Teaching & Learning of Theology & Religion in Higher Education: Best Practices for Latinos	Private Foundation	\$70,000	05060388
Department or Office:	Nano Science and Technology Center			
Hall, Douglas C. Xing, Huili Jena, Debdeep	Manufacturing Improvements for GaN Devices	Corporate Funding	\$49,849	05060373

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

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office: Radiation Laboratory				
Meisel, Dan Gezelter, J. D. Bartels, David M.	Photochemical and Radiolytic H2 Generation at Elevated Temperatures	Department of Energy	\$586,777	05060387
LaVerne, Jay A. Pimblott, Simon M. Kamat, Prashant V.	Hydrogen Production Using High Conduction Band Materials	Department of Energy	\$786,526	05060390
Ferraudi, Guillermo J. Carmichael, Ian C. Lappin, Alexander G.	Macrocyclic Complex Hydrogenation/Dehydroge for Solar H2 Generation	Department of Energy	\$854,498	05060393

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