

NOTRE DAME REPORT

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FACULTY NOTES

Honors

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, has been elected a fellow of the American Society of Mechanical Engineers, an honor reserved for less than 2 percent of the 100,000 members of this engineering professional association.

Alven M. Neiman, assistant dean and concurrent associate professor in the arts and letters core course, has been elected to a three-year term on the nominating committee of the Philosophy of Education Society.

Alvin Plantinga, O'Brien professor of philosophy, received a Ph.D. Honoris Causa from the Free University of Amsterdam in Amsterdam, the Netherlands, Oct. 20.

Terrence W. Rettig, professional specialist and concurrent associate professor of physics, was awarded the Defiance College 1995 Citation for Academic Excellence for contributions toward the understanding of planetary formation around young stars and the structure of comets.

Activities

Kathleen Biddick, associate professor of history, gave the paper "Walls of Time: Temporality/Urban Desire/Humanist 'Order'" at a conference on City Walls held by the Center for Early Modern Studies at the University of Minnesota in Minneapolis, Minn., Oct. 5-8. She presented the paper "Body Parts in the Archive" at a conference on Psychoanalysis and Postcolonialism held at George Washington University in Washington, D.C., Oct. 12. She gave the paper "English America: Curricular Masks and Imperial Phantasms" at a conference on Cultural Frictions: Medieval Cultural Studies/Postmodern Contexts" at Georgetown University in Washington, D.C., Oct. 27.

Raymond M. Brach, associate professor of aerospace and mechanical engineering, delivered a lecture titled "Oblique Impact of Microspheres with Adhesion" in collaboration with **Patrick F. Dunn**, professor of aerospace and mechanical engineering, at the first international congress on Adhesion Science and Technology in Amsterdam, the Netherlands, Oct. 17. Brach presented the lecture titled "Impact Dynamics of Microparticles" to the Department of Mechanics, Structures and Materials at the Universite de Liege in Liege, Belgium, Oct. 19, and to the Laboratoire de Mechanique et Genie Civil in Montpellier, France, Oct. 26.

Scott Bridgham, assistant professor of biological sciences, presented the invited symposium talks "Physical Chemical and Biological Processes in Riverine Wetlands" with C.A. Johnston and J. Schubauer-Berigan and "An Interdisciplinary Approach to Determining Climate Change Impacts on Northern Wetlands" with J. Pastor, Johnston and K. Updegraff at the annual meeting of the Soil Science Society of America in St. Louis, Mo., Oct. 29-Nov. 3. Bridgham coauthored the poster "An Assessment of Mixed-bed (H-OH) Ion Exchange Resin to Changes in Nutrient Availability" presented by C. Chapin at that meeting.

Marian E. Crowe, adjunct professor in the Freshman Writing Program, delivered a paper titled "The Cross: Debased Iconography in *Miss Lonelyhearts*" at the Mideast conference on Christianity and Literature held at the University of Dayton in Dayton, Ohio, Oct. 27-28.

Michael J. Crowe, professor in the program of liberal studies, and history and philosophy of science, and **David R. Dyck**, professor at the University of Winnipeg, presented the paper "The John Herschel Correspondence Project" at the annual meeting of the History of Science Society in Minneapolis, Minn., Oct. 29.

Roberto A. DaMatta, Joyce professor of anthropology, served on the panel "Economics and Society in Brazil: New Trends and Perspectives" organized by the Brazilian General Consulate and the Department of Anthropology of the University of Chicago in Chicago, Ill., Nov. 3. He gave a paper on "Globalization and National Identities" for the First Encounter of Brazilian Culture organized by the Brazilian Ministry of Culture in Brasilia, Brazil, Nov. 7.

Sr. Elaine DesRosiers, O.P., professional specialist and director of Educational Media, presented "Media and/or Computer Enhancements to Teaching" and shared a session titled "Hands-On with Technology" at the Wakonse Renewal Conference on College Teaching at Allerton House of the University of Illinois in Urbana-Champaign, Ill., Nov. 5.

Eileen M. Doran, associate professional specialist in law, presented "Custody Determinations in Indiana" as part of the Indiana Continuing Legal Education Workshop titled "Juristic Park: Trials Without Tribulations" held in South Bend, Ind., Sept. 26.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, presented the talk "Analyse, par Visualisation, de l'Ecoulement qui s'Etablit dans une Cavité Semi-Circulaire" coauthored with **Christophe Migeon**, **Gerárd Pineau** and **Madeleine Coutanceau** at the

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Sixième Colloque National de Visualisation et de Traitement d'Images en Mécanique de Fluides in Saint-Etienne, France, May 30-June 2. He presented "Early Time-Development of Lid-Driven Cavity Flows" coauthored with Migeon, Pineau and Coutanceau at the seventh international symposium on Flow Visualization in Seattle, Wash., Sept. 11-14.

James A. Glazier, assistant professor of physics, gave the invited talk "Three Dimensional Liquid Foams" at Structural Evolution in Materials at the Rockwell Science Center in Thousand Oaks, Calif., Nov. 11.

Paul W. Huber, associate chairperson and associate professor of chemistry and biochemistry, presented the invited seminar "What Proteins Want to See: Identity Elements in 5S rRNA for Transcription Factor IIIA and Ribosomal Protein L5" to the Department of Genetics at North Carolina State University in Raleigh, N.C., Nov. 6, and at the Department of Chemistry at Wayne State University in Detroit, Mich., Nov. 10.

Robert C. Johansen, professor of government and international studies and fellow in the Kroc Institute, presented a talk titled "Making Peace Through Peaceful Means: From Family to Global Neighborhood" to the Northern Indiana Counselors' Association annual meeting in Notre Dame, Ind., Sept. 12. He gave the keynote address "United Nations: Myths and Realities" at the conference on the 50th anniversary of the United Nations sponsored by Highland Community College, League of Women Voters and Northwest Illinois World Affairs Council in Freeport, Ill., Oct. 13.

Lloyd H. Ketchum Jr., associate professor of civil engineering and geological sciences, presented the keynote address "What I Learned About Water in Kindergarten and Beyond" at the 59th annual Indiana Water Pollution Control Association conference in Indianapolis, Ind., Nov. 14-15.

Eileen Kolman, dean of the Freshman Year of Studies and concurrent assistant professor of mathematics, gave a presentation on "Collaborative Learning in Mathematics" at the Williams-Midwest Central Region of the Academic Affairs Administrators meeting in East Lansing, Mich., Oct. 26-27.

Pamela A. Krauser, assistant professional specialist in the Graduate School, led the roundtable discussion "Government Initiatives in Electronic Research Administration" at the annual meeting of the National Council of University Research Administrators in Washington, D.C., Nov. 6.

Lawrence C. Marsh, associate professor of economics, presented a paper jointly with Arnold Zellner, professor at the University of Chicago, at the Midwest Econometrics Group (MEG) meeting at Washington University in St. Louis, Mo., Oct. 7. MEG provides a forum for econometricians in the Midwest to present their research papers. Marsh founded MEG at Notre Dame in 1991 and has coordinated its annual meetings for the past four years.

Ralph McInerny, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, presented "What Libraries Mean to Me" at the Indiana Library Federation District 1 fall conference in Notre Dame, Ind., Oct. 10. He presented "100 Years of Philosophy in North America" at the Catholic University of America, Philosophy Department's 100th year celebration lecture series in Washington, D.C., Oct. 12. He presented "Liberty and Responsibility" at a forum sponsored by the Liberty Fund in Pasadena, Calif., Nov. 2-4. He gave the presidential lecture "Mystery of Fiction" and "Aquinas and Kierkegaard on Faith and Reason" at Hope College in Holland, Mich., Nov. 10-11.

Alven M. Neiman, assistant dean and associate professor in the arts and letters core course, taught a course in the philosophy of Joseph Pieper as an invited guest of the Cistercian Community of New Melleray Abbey in Peosta, Iowa, throughout October.

Walter Nicgorski, professor in the program of liberal studies, chaired and served as commentator for the panel on "The Enduring Cicero" at the annual meeting of the American Political Science Association in Chicago, Ill., Aug. 31. He lectured on "Cicero as Socratic: The Critical and Rhetorical Modes of Philosophy" to a graduate/faculty colloquium in political science, philosophy and classics at Marquette University in Milwaukee, Wis., Oct. 26.

James S. O'Rourke IV, associate professional specialist and director of the Center for Business Communication, presented a refereed paper titled "E-Mail: A Question of Balance in the Rights and Expectations of Employers and Employees" with coauthor K.S. Nantz of Eastern Illinois University to the 60th annual conventional of the Association for Business Communication in Orlando, Fla., Nov. 2.

Alvin Plantinga, O'Brien professor of philosophy, presented "On Christian Scholarship," "An Evolutionary Argument against Naturalism" and "Naturalism Defeated" at the University of Ottawa in Ontario, Canada, Oct. 10-11. He presented "An Evolutionary Argument against Naturalism" at the Free University of Amsterdam in Amsterdam, the Netherlands, Oct. 23, and at the University of Utrecht in Utrecht, the Netherlands, Oct. 24.

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Terrence W. Rettig, professional specialist and concurrent associate professor of physics, presented a paper titled "Comparison of HST Images of Comet Shoemaker-Levy 9 to Monte Carlo Dust Models" at the 1995 American Astronomical Society, Division of Planetary Science meeting, in Kona, Hawaii, Oct. 9-13.

Kenneth F. Ripple, professor of law, presided at the final round of the 16th annual John W. Davis Moot Court Competition at the School of Law at Washington and Lee University in Lexington, Va., Nov. 9. He addressed the law students on "The Significance of Recent Developments in Establishment Clause Analysis."

Steven R. Schmid, assistant professor of aerospace and mechanical engineering, presented the papers "Application of the Safeguard Evaluation Protocol" and "Hydrodynamic Segregation, Entrainment and Rejection of Oil in Emulsion Lubrication Problems," moderated a roundtable discussion on process tribology and served as the chair of the session "Wear in Process Tribology" at the 1995 international Mechanical Engineering congress and exposition in San Francisco, Calif., Nov. 13-17.

Daniel Sheerin, chairperson and professor of classical and Oriental languages and literatures, presented the lecture "Sisters in the Literary Agon: Monastic Women in Mortuary Rolls" in "A Medieval Colloquium in Memory of Berthe M. Marh" at the University of North Carolina at Chapel Hill, N.C., Nov. 3.

Peter H. Smith, assistant professor of music, delivered the paper titled "Brahms and the Neapolitan Complex: ^bII, ^bVI, and Their Multiple Functions in the First Movement of the F-Minor Clarinet Sonata" at the joint meetings of the American Musicological Society, Center for Black Music Research, and the Society for Music Theory in New York, N.Y., Nov. 5.

Gregory E. Sterling, associate professor of theology, presented "The Kingdom of God is within Reach: A Response to J. Ramsey Michaels" at the annual meeting of the Catholic Biblical Association at Siena College in Loudonville, N.Y., Aug. 12-15. He presented "'Customs which are not Lawful': The Literary and Social Apology of Luke-Acts" at Michigan Christian College in Rochester Hills, Mich., Oct. 2. He presented "A Philosophy According to the Elements of the Cosmos: Colossian Christianity and Philo of Alexandria" at the Philon d'Alexandrie et le langage de la philosophie colloque at the University of Paris in Paris, France, Oct. 26-28.

Rev. Patrick J. Sullivan, C.S.C., adjunct associate professor of sociology, gave the address "The Catholic Church and Race — Prophetic Words and Prophetic Challenges" to elementary and secondary school principals of the Fort Wayne-South Bend Diocese in Angola, Ind., Nov. 2.

Lee A. Tavis, Smith professor of business administration, presented the inaugural staff colloquium at the University of Notre Dame-Australia in Fremantle, Australia, Sept. 1. He conducted a seminar on "Multinational Corporate Ethics" at the University of Atma Jaya in Yogyakarta, Indonesia, Oct. 7.

J. Kerry Thomas, Nieuwland professor of chemistry and biochemistry, presented the lecture "Radiation Induced Reactions of Ions at Surfaces" at the Institute of Surface Chemistry of the National Academy of Sciences of Ukraine in Kiev, Ukraine, Nov. 13.

A. Peter Walshe, professor of government and international studies, gave the Moreau lectures "Renewing the Struggle for Justice in the United States" and "South Africa in Transition" at Kings College in Wilkes-Barre, Pa., Oct. 26. He delivered the lecture "The World Bank and I.M.F.'s Impact on Africa" to the Africa Faith and Justice Network Forum at DePaul University in Chicago, Ill., Nov. 11.

Mitchell Wayne, associate professor of physics, gave an invited talk titled "Performance of a Large Scale Scintillating Fiber Tracker Using VLPC Readout" at the IEEE 1995 Nuclear Science Symposium and Medical Imaging Conference held in San Francisco, Calif., Oct. 21-28.

Kathleen Maas Weigert, faculty liaison/academic coordinator at the Center for Social Concerns, concurrent associate professor of American studies and fellow in the Kroc Institute, co-led the pre-conference workshop "Connecting Service-Learning with College and University Curricula," served on the panel "Service-Learning: From Implementation to Institutionalization" and chaired the roundtable "Service-Learning and Peace Studies: Connections Between Academic Neighbors" at the annual meeting of the National Society for Experiential Education in New Orleans, La., Nov. 8-11.

John P. Welle, associate professor of Romance languages and literatures, gave an invited paper "Tra cinema e letteratura: La diffusione e la ricezione delle opere di Pasolini negli Stati Uniti" at the international conference Verso Pordenone e il mondo: L'Opera di Pier Paolo Pasolini nella cultura internazionale at Pordenone, Italy, Oct. 19-21. He gave the invited paper "Fortini e la teoria del documentario" at the international conference Cinema e scrittori negli anni cinquanta e sessanta held at Grosseto, Italy, Oct. 27-28.

Samir Younés, assistant professor of architecture, delivered a lecture titled "The Vitruvian Symmetria, Eurythmia and Decor" at the Society of Architectural Historians' south-east conference organized by the Departments of Arts and Humanities at the University of Alabama and Auburn University in Birmingham, Ala., Nov. 2.

ADMINISTRATORS' NOTES

Appointments

Kathleen Sullivan, director of alumni continuing education, has been appointed associate director of the Alumni Association. Her new responsibilities include development of international alumni clubs, training of alumni association staff members, development of new programs for graduate alumni and increasing minority participation in alumni club activities. In addition she will be responsible for development and evaluation of all the association's programs.

Activities

Jon L. Shaffer, assistant director of residence life, presented "You and Your Style Matter" at the meeting of the Great Lakes Association of College and University Housing Officers in Ypsilanti, Mich., Nov. 5-7.

Jeffrey R. Shoup, director of residence life, and Lori A. Mauer, assistant director of residence life, presented "Student Leaders and Discipline" at the meeting of the Great Lakes Association of College and University Housing Officers in Ypsilanti, Mich., Nov. 5-7.

Publications

Alan S. Bigger, director of building services, wrote "An Ounce of Prevention Is Worth a Pound of Cure" published in the November issue of *Executive Housekeeping Today*. He wrote "Maintain Hard Surfaces Without Being Floored: Stripping, costly and labor intensive, offers last line of defense for floors" published in the September issue of *Maintenance Solutions*.

Faculty Senate Journal October 5, 1995

The chair Professor Richard McBrien called the senate to order at 7 p.m. in room 202 of the Center for Continuing Education, and asked Professor Patrick Sullivan, C.S.C., to offer a prayer. McBrien asked for approval of the September journal, noting that approval of the American Sociological Association (distributed at the September meeting) was not part of the journal because the senate's executive committee had agreed to the request of two senators not to include it; the feeling was that it had only been distributed for information and was not discussed by the senate as senate business. Professor Jean Porter moved to accept the journal, Professor Sonja Jordan seconded, and the senate agreed.

The chair's report is printed as appendix A of this journal. In a departure from his text, McBrien noted graduate students were certainly welcome to attend the meetings of the Notre Dame Forum on Academic Life, especially in view of this year's topic, the future direction of graduate education at Notre Dame.

The senate recessed at 7:15 p.m. for committee meetings. Upon reconvening at 8 p.m., each committee reported on its work.

A) Benefits — committee member Professor William Eagan reported for the committee that in the absence of a reply from the Director of Human Resources Roger Mullins (as confirmed by the Faculty Senate chair) in regard to the senate's May '95 resolution on Retiree 2000, the committee asked the chair to re-contact him on this issue, to which McBrien agreed. In addition the committee will look into issues brought to its attention in regard to the special professional faculty; this is a diverse group and the committee will seek input and cooperation from its members. On long-term care, Indiana is one of four states which will allow long-term care benefits paid for through private insurance before a Medicaid patient must divert him or herself of all holdings (for example, \$150,000 can be reserved for his or her estate through this private insurance). Approximately 12 insurance companies offer coverage on this, but UNUM (the one chosen by Notre Dame for long-term care coverage) does not, and the committee will explore with Human Resources our alternatives to UNUM or its replacement.

B) Academic Affairs — the chair Professor Michael Detlefsen appeared before the Provost's Advisory Committee in support of the senate's resolution of grievance procedures and appeals. For the committee he reported on its provisional agenda for the year:

1. the distribution and generation of research moneys on campus in light of "disappearing external funds in the humanities," especially for University institutes.

2. urging the libraries to join the latter part of the 20th century, especially in using the new electronic methods of transmission.

3. a study of PAC, in particular the inclusion of non-elected members and the issue of proportionality (same number of representatives from each college when they are of varying sizes). This would be preliminary to recommendations on the possible restructuring of PAC.

C) Student Affairs — the chair Professor Patrick Sullivan, reported that the committee is preparing a response to a recent article in *Notre Dame Magazine* by Peter Steinfelds on the gay/lesbian issue; any possible response will be cleared first by the senate. The committee heard a report of a meeting with Patricia O'Hara, Eileen Kolman and Rita Donnelly (representing Student Affairs, Freshmen Year and the University Counseling Center respectively) on orientation of students in regard to sexual harassment issues; the chair met personally with O'Hara and via telephone with the others. He reported that they were willing to cooperate with the committee in furthering a response on this important issue, perhaps even including the production of the University's own video on this topic. In response to a question from Professor Richard Lamanna about the Steinfelds article, Sullivan reported that the committee was divided both on the need for a response and the nature of any possible response.

D) Administration — the chair Professor Jean Porter said the committee was offering two resolutions (no seconds needed for either). The first dealt with staff salaries in light of the University's current open discussion on salaries and reclassification policies. The resolution was to put on record our awareness of the current Human Resources review, our agreement that the review was due, our request to be kept informed, and our hope that communication between the senate and Human Resources would continue. She had shared the resolution with the director of Human Resources; he found it helpful, and the committee unanimously endorsed it. Its passage would not preclude future senate action on this issue.

In the discussion Professor David Ruccio said he was nervous about endorsing the process since we did not know what results will come of it. Why should the senate "commend" the University for only following traditional management practices? Porter said the resolution's intent was not to commend the outcome, but it was appropriate to commend the review process. Ruccio wondered why the senate should be glad it was happening, and Porter replied that individuals could make judgments on

proper phrasing. Professor Sonja Jordan was concerned that the first "Be it resolved" line needed some clear statement that the senate felt free to pursue its own study of this issue. Porter said the senate would do this, especially in her committee, with or without this resolution. Professor Gregory Gundlach questioned whether the first "whereas" was limiting the discussion to a gender issue; Porter disagreed but reported that the secretarial staff was overwhelmingly female. She believed the second "whereas" was the key statement. Lamanna asked Ruccio if he would be unhappy if the administration did not respond, to which Ruccio made no answer.

Detlefsen did not like the trajectory this resolution showed: Keep us informed after you do something. We should say we are pursuing our own study. Porter appreciated his concern, and she felt her own commitment and the committee's commitment on this issue were obvious. The resolution was simply to establish ongoing communication, not to approve automatically and in advance any results. She was willing to replace "commending" with something more palatable to the members. Lamanna believed "commending" was fine. Professor Gary Gutting thought perhaps the resolution should express the senate's desire to coordinate its own review with that of Human Resources, which would be purely from a "management" perspective rather than one infused with a faculty voice. Sullivan agreed with Gutting on coordinating efforts because this kind of review in business organizations often is an anti-union device; while this is not the aim of Notre Dame's, it is very important to bring a social justice perspective to the review, and this is the way the Faculty Senate's voice can be best used. Professor Joseph Buttigieg shared Gutting's sentiments, but he would be careful about getting involved at this stage because he would not want the senate in a position to talk "for" secretaries when they are not represented; in fact, as far as he saw, none of the parties (Human Resources, the consulting firm, the senate) could pretend to speak "for" staff.

Jordan proposed as a friendly amendment a revised first "Be it resolved" line and a small addition to the second. Porter accepted her revisions as did the committee. Discussion continued. One member proposed that "commends" be restored, but the senate did not agree to this change. Ruccio believed that the senate's desire to pursue its own study ought to be a separate clause, but he did not so move. Eagan moved the previous question, and the senate agreed to vote on the amended resolution. The amended resolution passed unanimously by a vote of 34 to zero. It is printed as appendix B of this journal.

Porter retained the floor for the committee's second resolution as a follow-up to the senate's self-study. She reported that the resolution sought to put the senate on

record as endorsing a number of recommendations from the self-study, but at this point the resolution did not include all the points contained in the self-study. The committee had polled the senate on one issue: changing the meeting time of the senate from 7 p.m. to 4:15 p.m. Of 38 responses so far, 12 agreed with such a change, 16 disagreed, seven would change with certain qualifications, two sought to meet at 7 a.m., and one believed alternating times would be good. There was no settled opinion as yet on this, thus no resolution on it. The resolution passed without discussion and unanimously, 34 to zero. It is printed as appendix C of this journal.

NEW BUSINESS

Professor Gerald Bradley moved a resolution on behalf of his Law School colleagues (Sullivan seconded). It calls upon the University's Board of Trustees to revoke an honorary Doctor of Law degree conferred on Kurt Waldheim in 1981. At the time his participation in war crimes during World War II was not known; it has since been brought to light without an effective denial. He asked the senate to go on record as endorsing the Law School's request to revoke the degree. While some of his colleagues have questioned the propriety of reviewing continually what our honorary degree holders do after receiving their degrees, this case is unique for two reasons: The magnitude of his misconduct is one, and the degree was awarded under false pretenses (he has worked to keep his participation a secret; thus the original decision was ill-founded). The resolution reads:

Resolved, that the Faculty Senate endorse the resolution of the Law School faculty regarding the conferral of an honorary degree on Kurt Waldheim in 1981.

In the discussion, Detlefsen asked that the evidence upon which the Law School acted be presented to the senate before endorsing the resolution. Professor James Collins asked if this was an unprecedented action and had other schools done something like this. Bradley believed it was unprecedented for Notre Dame, but did not know about other schools. Eagan felt nothing would be gained by delaying action; we know the evidence. Detlefsen said he merely wanted someone from the Law School familiar with it to lead us in discussion of it in substance. He moved to table the resolution, and Lamanna seconded. The senate agreed 18 to seven. The chair asked Bradley to follow up on this, to which he readily agreed.

Jordan announced that the libraries were sponsoring a teleconference on salvaging acid-based paper texts on October 26, to which all are welcome. McBrien reminded senators of the first Notre Dame Forum meeting October 25.

DOCUMENTATION

Porter moved adjournment, Detlefsen seconded and the senate agreed at 9:10 p.m.

Present: Bayard, Bradley, Broderick, Buttigieg, Collins, Conlon, DeLanghe, Detlefsen, Eagan, Esch, Gundlach, Gutting, Hemler, Huang, Jordan, Lamanna, Lombardo, Mason, Mathews, McBrien, Neyrey, O'Brien, Pillay, Porter, Rathburn, Ruccio, Sayers, Schmid, Stevenson, Sullivan, Zachman, Manak (Graduate Student Representative)

Absent: Borelli, M., Bunker, Godmilow, Hamburg, Hyde, Miller, Neal, Sheerin, Wei, McCarthy (Student Government Representative)

Excused: Biddick, Bottei, Coll, Doordan, Garg, Mayer, Miscamble, Preacher, Quinn, Rai, Simon, Weinfield

Appendix A

Chair's Report October 5, 1995

1. The President of the University will pay his annual visit to the Faculty Senate at our next meeting on November 8. It has been the Senate's custom to submit questions in advance, without prejudice to the President's right to say whatever he wishes in his prepared remarks. Although the Senate's Executive Committee is responsible for approving the final list of questions, the Chair wishes to invite each and every member of the Senate to submit questions for consideration by the Executive Committee. If an individual senator's question happens not to be included on the list of advance questions, or at least not in the exact form in which the question was submitted, an individual senator retains the right to ask whatever question she or he wishes to ask from the floor. If any senator has one or more questions to submit for the advance list, those questions should be sent to the Senate Chair no later than October 30, the day before the Executive Committee's next meeting.

2. As I reported last month, the Academic Council approved the Faculty Senate's recommendation that the membership of the Faculty Board on Athletics be increased by two faculty members, both to be elected at large. Elected faculty members will hereafter constitute the majority of the Board's members. Since the change in the composition of the Faculty Board on Athletics was not approved by the Academic Council until *after* the spring meeting of the Board of Trustees, elections of the two new at-large faculty members cannot take place until the Board of Trustees has acted on the measure at its fall meeting two weeks from now. Immediately following the Board of Trustees' meeting — assuming the change is ap-

proved — a university-wide election will be held to add the two new members to the Faculty Board on Athletics. Faculty colleagues who would be effective members of the Faculty Board on Athletics should be encouraged to stand for election.

3. There was a second round of discussions yesterday afternoon in the Provost's Advisory Committee (PAC) regarding the Faculty Senate's proposal on appeals in promotions and tenure cases. Once again our colleague Mic Detlefsen, chair of the Senate's Academic Affairs Committee, did an excellent job of explaining and in some cases defending various elements of the Senate's proposal. The discussions thus far have been constructive and fruitful. A subcommittee of PAC now has the matter under consideration, and Mic himself will be invited back for another round of discussions of the proposal.

4. Thanks to some gentle prodding from our distinguished Parliamentarian, Bill Eagan, I added a member of the Business College faculty to the ad hoc committee on the Notre Dame Forum on Academic Life: Prof. Dan Simon, of the Department of Accountancy. He joins Sonja Jordan (Library), Al Miller (Chemical Engineering), Anand Pillay (Mathematics), Phil Quinn (Philosophy), and the Chair.

The Forum's agenda for the year has been reshaped by a series of developments since our last Senate meeting. First, the faculty representatives on the Board of Trustees' Academic and Faculty Affairs Committee decided to invite faculty-wide discussion of goals and priorities for graduate-level education at Notre Dame. The faculty representatives have been asked by the Trustees' committee to propose guidelines for the allocation of resources for graduate programs drawn from the current capital campaign. It was agreed that the Senate's Notre Dame Forum on Academic Life would be the appropriate vehicle for this faculty-wide discussion. The Senate's Executive Committee considered this proposal last week and endorsed it. This week the ad hoc committee on the Notre Dame Forum met to consider specific topics and speakers.

The year's first session of the Notre Dame Forum on Academic Life will be held on Wednesday, October 25, at 7:30 in the CCE Auditorium. It will focus on doctoral-level education. The panel will be composed of our senate colleagues Ed Conlon (Management) and Gary Gutting (Philosophy), as well as Graham Lappin (Chemistry and Biochemistry), and Tom Mueller (Aerospace and Mechanical Engineering). Each presentation will be limited to ten minutes. The panelists have been asked to consider such items as the recent National Research Council report on graduate programs and the recommendations of the Colloquy, as well as to address specific questions relating to investment strategy, that is, whether to put most of our financial resources into a relatively few successful or

particularly promising programs, or to distribute these resources more widely over a broad spectrum of departments. Each panelist has also been reminded that he should take care to view the issues on a college-wide and university-wide basis, and not only with reference to one's own department.

The second session of the Forum is scheduled for Wednesday, November 29. The panel (still to be formed) will focus on other graduate and professional programs. The Law School and the School of Architecture will be included on this panel.

The dates for the third and fourth sessions have not yet been determined, but they will probably be scheduled in February and March. The third session will include a panel of the five deans, who will be asked to reflect on the discussions in the first two sessions of the Forum and to indicate, for example, how they might respond to the recent National Research Council report. The fourth session will feature a panel of the elected faculty representatives on the Board of Trustees' Academic and Faculty Affairs Committee. Those members include David Burrell (Philosophy), Naomi Meara (Psychology), Harvey Bender (Biological Sciences), Maureen Gleason (Library), and Arvind Varma (Chemical Engineering). Each panelist will indicate briefly what he or she has been hearing from the discussions thus far, and the audience will be invited to affirm, correct, or elaborate upon what the panelists have taken to be the emerging consensus of the faculty. Given the practical importance of these discussions for the academic future of this University, I urge you to encourage as many of your faculty colleagues to attend these Forum sessions, beginning on October 25.

Appendix B

A Resolution on Staff Salaries October 5, 1995

Whereas: The faculty of the University of Notre Dame has a professional and moral stake in the hours, wages, and working conditions of the support staff; and

Whereas: In view of the fact that the clerical and secretarial professions are traditionally dominated by women, and the majority of such positions at Notre Dame are in fact held by women, the status of the support staff at Notre Dame has repercussions for the status of all women at Notre Dame; and

Whereas: The University has invited Towers Perrin, an independent human resource consulting firm, to assist it in a comprehensive review of its position classifications system during the academic year 1995-1996, at a projected cost of about \$100,000,

Be it resolved that:

While the Faculty Senate recognizes the University for undertaking this review, it will pursue its own study.

It expresses its desire to be kept informed of the progress of the review at every stage, through whatever means are deemed most appropriate in consultation with the Director of Human Resources;

And it instructs the Chair of the Senate to communicate this resolution to the Director of Human Resources, and to devise a way, in consultation with the Director, by which the Faculty Senate may be informed on a periodic basis of the progress of this review.

Appendix C

Resolution on Internal Life of the Faculty Senate October 5, 1995

Whereas: The Faculty Senate is mindful of its responsibility to "represent the faculty as a whole in the formulation of policy affecting the entire life of the University;" and

Whereas: The Faculty Senate Self Study Report, submitted to the Senate on May 2, 1995, contains a number of recommendations to facilitate our efforts to do so,

Be it resolved that:

The Faculty Senate endorses the following recommendations of the above-mentioned Self Study Report:

1. That the agenda of the Faculty Senate be made available to the entire University community electronically, at the same time that it is distributed to the Senators;
2. That the Journal be made available in the same manner, as soon as feasible after it is approved by the Senate;
3. That the Executive Committee of the Faculty Senate meet at least twice in each academic year with the Officers of the University; and
4. That the Chair of the Senate submit a report to the Senate on any replies to, or actions taken in response to motions of the Senate, no later than two months after such motions are passed.

Be it further resolved:

That the Chair of the Senate is instructed to implement these recommendations as expeditiously as possible.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Current Publications and Other Scholarly Works

Current publications should be mailed to the Office of Research of the Graduate School, Room 312, Main Building.

COLLEGE OF ARTS AND LETTERS

Anthropology

- Murphy, Martin F.
M. F. Murphy and M. L. Margolis. 1995. Introduction to cultural materialism. In *Science, materialism and the study of culture: Readings in cultural materialism*, eds. M. F. Murphy and M. L. Margolis, 1-4. Gainesville, Fla.: University Press of Florida.
M. F. Murphy and M. L. Margolis, eds. 1995. *Science, materialism and the study of culture: Readings in cultural materialism*. Gainesville, Fla.: University Press of Florida. xi + 223 pp.
Schurr, Mark R.
M. R. Schurr and M. J. Schoeninger. 1995. Associations between agricultural intensification and social complexity: An example from the prehistoric Ohio Valley. *Journal of Anthropological Archaeology* 14:315-339.

Art, Art History and Design

- Haywood, Robert
R. Haywood. 1995. Demon in the kitchen: Claes Oldenburg's alterations. *Art in America*, October, 86-93 + 139.
R. Haywood. 1995. Heretical alliance: Claes Oldenburg and the Judson memorial church in the 1960s. *Art History* 18 (2): 185-212.
Kinsey, Douglas
D. Kinsey. 1995. Solo exhibition of 15 oil paintings (November 10 through December 3). Munster, Ind.: Northern Indiana Arts Association.

Core Course

- Neiman, Alven M.
A. M. Neiman. 1994. Rorty's Dewey: Pragmatism, education, and the public sphere. In *Identity, culture, and education*, ed. P. Smeyers, 251-270. Leuven, Belgium: Leuven University Press.

English

- Fredman, Stephen A.
S. A. Fredman. 1995. Call him Charles. *Sagetrieb* 13 (1 and 2): 55-81.

Government and International Studies

- Loescher, Gilbert D.
G. Loescher. 1995. The humanitarians. In *Vision of hope: The 50th anniversary of the United Nations*, ed. J. Power, 138-159. London: Regency Press.
G. Loescher. 1995. Population movements as a source of international tension. In *Environment, resources and population as sources of conflict*, ed. P. Clowson, 85-95. Washington D.C.: National Defense University Press.
McAdams, A. James
A. J. McAdams. 1995. German ostpolitik in the 1990s: Anticipating the post-Soviet disorder. In *The Federal republic of Germany at forty-five*, ed. P. Merkl, 407-423. London: Macmillan.

History

- Louthan, Howard P.
H. Louthan. 1995. Johannis Crato and the Austrian Habsburgs: Reforming a counter-reform court. Published in the series *Studies in Reformed Theology and History*, Vol. 2, No. 3. Princeton, N.J.: Princeton Theological Seminary. vii + 44 pp.

Music

- Haimo, Ethan T.
E. T. Haimo. 1995. *Haydn's symphonic forms: Essays in compositional logic*. Oxford, U.K.: Clarendon Press Oxford. xvi + 294 pp.

Program of Liberal Studies

- Weinfield, Henry M.
H. M. Weinfield. 1995. "Wringing, wringing his pierced hands:" Religion, identity and genre in the poetry of Charles Reznikoff. *Sagetrieb* 13 (1 & 2): 225-232.

Romance Languages and Literatures

- Moevs, Christian R.
C. R. Moevs. 1995. Review of *Dante's journey of sanctification*, by A. Mastrobuono. *Envoi: A Review Journal of Medieval Literature* 3 (2): 537-540.
Weigert, Andrew J.
A. J. Weigert. 1995. A sociological imagination informing social psychologies. *Humanity and Society* 19 (May): 3-24.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Theology

Blenkinsopp, Joseph

- J. Blenkinsopp. 1995. Review of *The view of women found in the Deuteronomic family laws*, by C. Pressler. *Journal of Biblical Literature* 114 (3): 492-493.

Cunningham, Lawrence S.

- L. S. Cunningham. 1995. Religious booknotes. *Commonweal* 122 (22 September): 28-30.

- L. S. Cunningham. 1995. Religious booknotes. *Commonweal* 122 (20 October): 28-30.

- L. S. Cunningham, Christianity Area Editor. 1995. 135 written entries. In *Harper/Collins Dictionary of Religion*, ed. J. Z. Smith. San Francisco, Calif.: Harper/Collins.

LaCugna, Catherine Mowry

- C. M. LaCugna. 1995. How can I find God? *America*, 30 September, 21.

Porter, Jean

- J. Porter. 1995. Virtue and sin: The connection of the virtues and the case of the flawed saint. *Journal of Religion* 75 (4): 521-539.

Sterling, Gregory E.

- G. E. Sterling. 1995. Review of *Alte Welt und neuer Glaube: Beiträge zur Religionsgeschichte, Forschungsgeschichte und Theologie des Neuen Testaments*, by H-J. Klauck. *Studia Philonica Annual* 7:230-231.

- G. E. Sterling. 1995. Review of *Ancient Jewish Epitaphs*, by P. van der Horst. *Studia Philonica Annual* 7:239-241.

- G. E. Sterling. Review of *The Apocryphon of Jannes and Jambres the magicians: P. Chester Beatty XVI (with new editions of Papyrus Vindobonensis Greek inv. 29456 + 29828 verso and British library cotton Tiberius B. vf. 87)*, by A. Pietersma. *IOUDAIOS* (7 September): 1-6.

- G. E. Sterling. 1995. Review of *From Jesus to John: Essays on Jesus and New Testament Christology in honour on Marinus de Jonge*, ed. M. C. De Boer. *Catholic Biblical Quarterly* 56:205-207.

- G. E. Sterling. 1995. "Golden rule." "Miracles (in the Bible)." "Philo of Alexandria." "Temptations of Christ." "Tithing." (five entries) In *Harper/Collins Encyclopedia of Catholicism*, ed. R. P. McBrien, 574, 794, 867-68, 998, 1245, 1257. San Francisco, Calif.: Harper/Collins.

- G. E. Sterling. 1995. Recluse or representative? Philo and Greek-speaking Judaism beyond Alexandria. In *The Society of Biblical Literature Seminar Papers*, ed. E. H. Lovering Jr., 595-616. Atlanta, Ga.: Scholars Press.

- G. E. Sterling. 1995. "Thus are Israel:" Jewish self-definition in Alexandria. *Studia Philonica Annual* 7:1-8.

White, James F., Rev.

- J. F. White. 1995. *Roman Catholic worship: Trent to today*. Mahwah, N.J.: Paulist Press. 174 pp.

COLLEGE OF SCIENCE

Chemistry and Biochemistry

Huber, Paul W.

- M. Ghosh, L. J. Lambert, P. W. Huber and M. J. Miller. 1995. Synthesis, bioactivity, and DNA-cleaving ability of desferrioxamine B-nalidixic acid and anthraquinone carboxylic acid conjugates. *Bioorganic & Medicinal Chemistry Letters* 5 (20): 2337-2340.

Miller, Marvin J.

- See under Huber, Paul W. 1995. *Bioorganic & Medicinal Chemistry Letters* 5 (20): 2337-2340.

Scheidt, W. Robert

- B. Cheng and W. R. Scheidt. 1995. Diaqua (5,10,15,20-tetraphenylporphinato)iron(III) perchlorate, $[\text{Fe}(\text{C}_{44}\text{H}_{28}\text{N}_4)(\text{H}_2\text{O})_2]\text{ClO}_4$. *Acta Crystallographica Section C* 51:1271-1275.

- B. Cheng and W. R. Scheidt. 1995. Stereochemistry of aquo(5,10,15,20-tetraphenylporphinato)zinc(II) as its 18-crown-6, methylene chloride solvate. *Inorganica Chimica Acta* 37:5-11.

Mathematics

Alber, Mark S.

- M. S. Alber, R. Camassa, D. D. Holm and J. E. Marsden. 1995. On umbilic geodesics and soliton solutions of nonlinear partial differential equations. In *Proceedings of the Royal Society of London Series A* 450:677-692.

Dwyer, William G.

- W. G. Dwyer and C. W. Wilkerson. 1995. Product splittings for p-compact groups. *Fundamenta Mathematicae* 147:279-300.

Physics

Cushing, James T.

- J. T. Cushing. 1995. A little ado about something: The value of concrete examples in teaching. *Science and Education* 4:197.

Garg, Umesh

- J. C. Walpe, B. F. Davis, S. Naguleswaran, W. Reviol, U. Garg, X-W. Pan, D. H. Feng and J. X. Saladin. 1995. Lifetime measurements in ^{120}Xe . *Physical Review C* 52 (4): 1792-1795.

Glazier, James A.

- Y. Jiang, J. Mombach and J. A. Glazier. 1995. Grain growth from homogenous initial conditions: Anomalous grain growth and special scaling states. *Physical Review E* 52:3333-3336.

Rettig, Terrence W.

- J. M. Hahn, W. R. Ward and T. W. Rettig. 1995. Resonant trapping in a self-gravitating planetesimal disk. *ICARUS* 117:25-44.

THE GRADUATE SCHOOL OFFICE OF RESEARCH



Schiffer, Peter

- P. Schiffer. 1995. Low temperature magnetoresistance and the magnetic phase diagram of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. *Physical Review Letters* 75 (18): 3336-3339.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Gad-el-Hak, Mohamed

- C. Migeon, G. Pineau, M. Coutanceau and M. Gad-el-Hak. 1995. Analyse, par Visualisation, de l'écoulement qui s'établit dans une cavité semi-circulaire. In *Sixième Colloque National de Visualisation et de Traitement d'Images en Mécanique des Fluides*, ed. J. P. Schon, 1-4. Saint-Etienne, France: Université Jean Monnet.

- C. Migeon, G. Pineau, M. Coutanceau and M. Gad-el-Hak. 1995. Early time-development of lid-driven cavity flows. In *Flow visualization VII*, ed. J. P. Crowder, 54-59. New York: Begell House.

Paolucci, Samuel

- O. V. Vasilyev and S. Paolucci. 1995. Stability of unstably stratified shear flow in a channel under non-Boussinesq conditions. *Acta Mechanica* 112:37-58.

Chemical Engineering

Chang, Hsueh-Chia

- H-C. Chang and E. A. Demekhim. 1995. Repulsive dynamics of solitary pulses. In *Structure and dynamics of nonlinear waves in fluids, Advanced Series Vol. 7 in Nonlinear Dynamics*, eds. A. Mielke and K. Kirchgassner, 24-41. New Jersey: World Scientific.

LOBOUND LABORATORY

Pollard, Morris

- M. Pollard, P. H. Luckert and J. D. Scheu. 1995. Phenobarbital promotes the development of adenocarcinomas in the accessory sex glands of MNU-inoculated L-W rats. *Carcinogenesis* 16 (10): 2419-2421.

Luckert, Phyllis H.

- See under Pollard, Morris. 1995. *Carcinogenesis* 16 (10): 2419-2421.

Scheu, John D.

- See under Pollard, Morris. 1995. *Carcinogenesis* 16 (10): 2419-2421.

RADIATION LABORATORY

LaVerne, Jay A.

- J. A. LaVerne and B. Brocklehurst. 1996. Magnetic field effect on the luminescence of alkane solutions irradiated with helium ions. *Radiation, Physics and Chemistry* 47 (1): 71-74.

Schuler, Robert H.

- R. H. Schuler. 1996. Radiation chemistry at Notre Dame 1943-1994. *Radiation, Physics and Chemistry* 47 (1): 9-17.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received and Proposals Submitted

In the period October 1, 1995, through October 31, 1995

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	126,938	9	639,361	12	766,299
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	4	15,289	4	15,289
Other Programs	<u>3</u>	<u>243,270</u>	<u>4</u>	<u>192,138</u>	<u>7</u>	<u>435,408</u>
Total	6	370,208	17	846,788	23	1,216,996

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	1,078,634	46	10,491,205	56	11,569,839
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	<u>1</u>	<u>161,810</u>	<u>1</u>	<u>122,100</u>	<u>2</u>	<u>283,910</u>
Total	11	1,240,444	47	10,613,305	58	11,853,749

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received

In the period October 1, 1995, through October 31, 1995

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

Huang, N.
Analysis of Damage in Fuselage
Northrop Corporation
\$35,173 12 months

Biological Sciences

Craig, G.
Remote Sensing of Scrap Tires: Vector Source, Ohio
Valley
National Institutes of Health
\$47,500 12 months

Carlton, R.
Effects of Atrazine on the N Cycle in Streams
Department of Agriculture
\$49,415 25 months

Lamberti, G., Lodge, D.
Potential Effects of Invading Ruffe
Purdue University
\$83,129 12 months

Hyde, D.
Vertebrate Homolog of rdbB Gene
Retinitis Pigmentosa Foundation
\$66,724 12 months

Chemical Engineering

McGinn, P.
Nd-123 Domains for Bearing Applications
Purdue University
\$10,000 72 months

Critical Current Density in YBaCuO
Purdue University
\$69,438 72 months

Brennecke, J., Stadtherr, M.
Phase Equilibria of CO₂-Based Reaction Systems
Environmental Protection Agency
\$100,000 24 months

Jacques Maritain Center

McInerny, R.
Bradley Fellows Program '95-96
Lynde and Harry Bradley Foundation
\$35,000 12 months

Physics

Johnson, W., Sapirstein, J.
Weak Interactions in Atomic Physics
National Science Foundation
\$170,000 12 months

Psychology

Day, J., Bolig, E.
Children's Social-Cognitive Zone of Proximal
Development
Health and Human Services
\$15,000 12 months

Radiation Laboratory

Asmus, K.
Radiation Chemical Studies in Model Systems
Association for International Cancer Research
\$84,920 24 months

AWARDS FOR SERVICE PROGRAMS

Center for Continuing Formation in Ministry

Lauer, E.
Center for Continuing Formation in Ministry
Various Others
\$8,356 1 month

Notre Dame Center for Pastoral Liturgy

Bernstein, E.
Center for Pastoral Liturgy
Various Others
\$5,453 1 month

Center for Pastoral Liturgy
Various Others
\$1,226 1 month

Institute for Church Life

Cannon, K.
Institute for Church Life
Various Others
\$254 1 month

AWARDS FOR OTHER PROGRAMS

Alliance for Catholic Education

Scully, T.
Learn and Serve America: Higher Education
Corporation for National Service
\$130,453 12 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Financial Aid

Malloy, J.
Indian Fellowship
Department of Education
\$24,283 12 months

Aerospace and Mechanical Engineering

Lucey, J., Berry, W., et al.
Industrial Assessments
Rutgers University
\$80,905 12 months

Graduate School

Diffley, P.
Jacob K. Javits Fellowship
Department of Education
\$31,912 12 months

Hatch, N.
Liebmann Fund Fellowship for Michael Waddell
Dolores Zohrab Liebmann Fund
\$17,855 13 months

Kellogg Institute for International Studies

Murphy, M.
Problems and Challenges for Contemporary Cuba
J.D. and C.T. MacArthur Foundation
\$75,000 24 months
Problems and Challenges for Contemporary Cuba
Ford Foundation
\$75,000 18 months

Proposals Submitted

In the period October 1, 1995, through October 31, 1995

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

Mason, J.
Dynamic Failure Mode Selection
National Science Foundation
\$211,200 48 months
Shear of Energetic Materials
Department of the Air Force
\$25,000 12 months
Powers, J., Mason, J., et al.
Initiation of Detonation
Department of the Air Force
\$25,000 12 months

Schmid, S.
Multi-Phased Lubrication Issues in Ironing
National Science Foundation
\$208,000 48 months
Corona, E.
Instabilities in Solid and Structural Mechanics
National Science Foundation
\$224,000 48 months
Thomas, J.
Influence of Environment on the Fatigue Life of Metals
National Science Foundation
\$280,000 60 months
Powers, J.
Initiation of Detonation
Department of the Air Force
\$25,000 12 months
Mason, J., Roessig, K.
The Initiation of Reactive Materials
Department of the Air Force
\$25,000 12 months

Architecture

Chang, I.
Computer Program for Earthquake Structural Failures
National Science Foundation
\$278,825 60 months

Biological Sciences

Grimstad, P.
Arbovirus Surveillance Laboratory Service
Indiana State Department of Health
\$27,989 12 months
Fraser, M.
Transposon Mutagenesis of Baculoviruses
National Institutes of Health
\$366,239 60 months
Lamberti, G.
Nitrification in Streams
National Science Foundation
\$10,373 24 months
Lamberti, G., Lodge, D.
Potential Effects of Invading Ruffe
Purdue University
\$366,513 36 months

Civil Engineering and Geological Sciences

Makris, N., Antsaklis, P.
Control Strategies with ER-Dampers
National Science Foundation
\$248,906 36 months
Fleischman, R.
NSF CAREER Award
National Science Foundation
\$208,000 48 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Silliman, S., Kulpa, C.
Analysis of Subsurface Heterogeneity
Department of Energy
\$68,087 12 months

Makris, N.
NSF CAREER Award for Nicos Makris
National Science Foundation
\$208,000 48 months

Spencer, B.
Genetic Algorithms for MCS
National Science Foundation
\$49,344 36 months

Chemical Engineering

McCreedy, M.
Fundamental Study of Long-Short Interfacial Waves
Department of Energy
\$244,355 36 months

Brennecke, J., Stadtherr, M.
Phase Equilibria of CO₂-Based Reaction Systems
Environmental Protection Agency
\$343,721 36 months

Maginn, E.
Advanced Molecular Simulations Applied to Zeolites
Dow Chemical Company
\$35,750 12 months
Studies of Microporous and Boundary Layer Materials
National Science Foundation
\$228,000 48 months

Varma, A.
Foreign Travel Supplement
National Science Foundation
\$3,000 3 months

Brennecke, J.
Energy Transfer Reactions in Supercritical Fluids
American Chemical Society
\$75,000 36 months

McGinn, P.
Nd-123 Domains for Bearing Applications
Purdue University
\$10,000 12 months

Strieder, W.
Radiation Heat Transport in Packed Beds and Porous Media
National Science Foundation
\$156,442 36 months

Chemistry and Biochemistry

Keller, J.
Predissociation: A Direct Probe of Excited State Dynamics
National Science Foundation
\$428,223 60 months

Wiest, O.
DFT Studies of Radical Ion Cycloreversion
University of Illinois Urbana
\$0 12 months

Helquist, P.
Novel XLA's
Procter and Gamble
\$62,240 12 months

Hartland, G.
Ultrafast IR Studies of Photodissociation
National Science Foundation
\$379,421 48 months

Huber, P.
Protein Binding Domains of Eukaryotic 5S rRNA and rDNA
National Institutes of Health
\$260,577 12 months

Hammes-Schiffe, S.
Quantum Effects in the Simulation of Proton Transfer
National Science Foundation
\$501,960 60 months

Computer Science and Engineering

Beery, P., Uhran, J.
Virtual Reality-Human Interface R & D Program
International Business Machines
\$126,256 14 months

Brockman, J.
NSF Career: Concurrent Optimization
National Science Foundation
\$208,000 48 months

Chen, D.
Theoretical and Practical Solutions
National Science Foundation
\$208,000 48 months

Electrical Engineering

Snider, G.
Far Infrared Near-field Optical Microscope for Quantum Dots
National Science Foundation
\$228,000 48 months

Classical and Oriental Languages and Literatures

Brownstein, M.
Shades of Desire: A Study of Chikamatsu's Domestic Dramas
Department of Education
\$56,614 10 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Mathematics

- Migliore, J., Peterson, C.
Applications of a New Construction for Gorenstein
Schemes
National Science Foundation
\$134,592 36 months
- Himonas, A.
Partial Differential Equations and Several Complex
Variables
National Science Foundation
\$94,089 36 months
- Wilczynski, D.
Geometric Topology: Four Manifolds, Surfaces and
Surgery
National Science Foundation
\$67,682 36 months
- Yin, H.
Inverse Problems in Partial Differential Equations
National Science Foundation
\$367,511 60 months
- Rosenthal, J.
Algebraic Methods in Systems Theory
National Science Foundation
\$8,926 3 months
- Cholak, P.
Some Computable Aspects of Mathematical Logic
National Science Foundation
\$274,394 60 months
- Stanton, N.
Partial Differential Equations and Several Complex
Variables
National Science Foundation
\$130,136 36 months
- Smyth, B., Xavier, F.
Submanifolds/Injectivity Problems in Geometry
National Science Foundation
\$210,841 36 months
- Liedahl, S., Taylor, L.
Solvable Groups over Algebraic Number Fields
National Security Agency
\$26,000 15 months

Physics

- Wiescher, M.
Fourth International Symposium on Nuclei in the
Cosmos
National Science Foundation
\$5,000 6 months
- Schiffer, P.
Study of Novel Low Temperature Properties of Materials
National Science Foundation
\$460,802 60 months

- Berry, H.
Atomic Structure Using Synchrotron Radiation
Department of Energy
\$544,887 36 months
- Hyperfine Structure in Atomic Ions
National Science Foundation
\$446,444 36 months
- Garcia, A.
Weak Interactions in the Nucleus
National Science Foundation
\$689,550 60 months
- Barabasi, A.
Driven Interfaces in Random Media
National Science Foundation
\$509,517 60 months
- Sarid, U.
Phenomenology of Supersymmetry and Unification
National Science Foundation
\$536,698 60 months

Psychology

- Borkowski, J., Whitman, T., et al.
Precursors of Retardation in Children with Teen
Mothers
National Institutes of Health
\$266,576 12 months
- Cole, D., Maxwell, S.
A Competency-Based Model of Child and Adolescent
Depression
National Institutes of Health
\$300,239 60 months

Radiation Laboratory

- Asmus, K.
Radiation Chemical Studies in Model Systems
Association for International Cancer Research
\$84,920 24 months

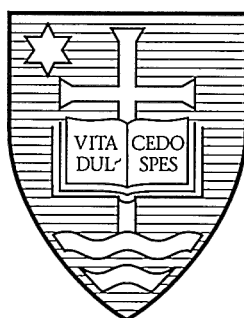
PROPOSALS FOR OTHER PROGRAMS

Aerospace and Mechanical Engineering

- Lucey, J., Berry, W., et al.
Industrial Assessments
Rutgers University
\$161,810 12 months

The Snite Museum of Art

- Porter, D.
Art Patronage in Taos
National Endowment for the Arts
\$122,100 38 months



NOTRE DAME REPORT

Volume 25, Number 7

December 1, 1995

Notre Dame Report (USPS 7070-8000) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Office of the Provost. Second-class postage paid at Notre Dame, Indiana. *Postmaster:* Please send address corrections to: Records Clerk, Department of Human Resources, Security Building, University of Notre Dame, Notre Dame, IN 46556.

Linda M. Diltz, Editor
Marten Schalm, Designer
Julie E. Rogers, Publication Assistant
Gerard Jacobitz, Indexer
Publications and Graphic Services
415 Main Building
Notre Dame, IN 46556
(219) 631-5337

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