

# NOTRE DAME REPORT

---

## THE UNIVERSITY

---

- 33 *Walvoord Appointed Director of Kaneb Center for Teaching and Learning*
- 33 *Phi Beta Kappa Information*
- 33 *Pew Trusts Gives Grant*
- 34 *Notre Dame Ranked Best Place to Work*

## ADMINISTRATORS' NOTES

---

- 37 *Appointments*
- 37 *Honors*
- 37 *Activities*
- 37 *Publications*

## FACULTY NOTES

---

- 34 *Honors*
- 34 *Activities*

## DOCUMENTATION

---

- 38 *Faculty Senate Journal*  
*May 2, 1996*

## THE GRADUATE SCHOOL

---

- 47 *Current Publications and Other Scholarly Works*
- 50 *Awards Received and Proposals Submitted*
- 51 *Awards Received*
- 52 *Proposals Submitted*

SEPTEMBER 27, 1996 • NUMBER 3

## Walvoord Appointed Director of Kaneb Center for Teaching and Learning

Barbara Walvoord, a national leader in developing faculty teaching skills, has been appointed the first director of the new John A. Kaneb Center for Teaching and Learning. In addition, she has been appointed a concurrent professor of English.

Walvoord joins the Notre Dame faculty after five years at the University of Cincinnati where she was a professor of English, director of faculty workshops and networks, and co-director of the "PIRT" Project to enhance teaching and learning. She previously taught at Loyola College in Baltimore, where she was named 1987 Maryland teacher of the year in higher education, Central College in Pella, Iowa, Drake University, and the Universities of Wisconsin and Delaware.

A graduate of Hope College in Holland, Mich., Walvoord earned her master's degree in English from Ohio State University and her doctorate in English from the University of Iowa.

A sought after speaker at workshops and conferences nationwide, Walvoord developed writing, teaching and learning programs at Cincinnati, Loyola and Central College that have received widespread attention and earned numerous grants and awards. She is the author of five books, including *Thinking and Writing in College*, *Helping Students Write Well* and *In the Long Run*, a study of faculty at three colleges after they participated in writing-across-the-curriculum programs.

The Kaneb Center for Teaching and Learning has been established with a gift from John A. Kaneb, chairman and chief executive officer of Gulf Oil and a member of the Board of Trustees since 1980.

## Phi Beta Kappa Information

Members of the faculty who are also members of Phi Beta Kappa are invited to affiliate with the Notre Dame Chapter, Epsilon of Indiana. Faculty members currently not in communication with the chapter who are interested in affiliating are asked to contact the secretary of the Notre Dame Chapter, Rev. Thomas Blantz, C.S.C., at the Department of History. Interested faculty are asked to supply the year of initiation and the name of the college or university where they were initiated in a note to the secretary.

## Pew Trusts Gives Grant

Notre Dame has received a grant of \$2.45 million from the Pew Charitable Trusts to fund the Pew Evangelical Scholars Program for another three years.

Established at Notre Dame in 1990 with a \$1.88 million grant from the Pew Charitable Trusts, the Pew Evangelical Scholars Program is designed to support scholarship that brings Christian perspectives to bear upon important intellectual questions in the humanities and social sciences. The program sponsors an annual national fellowship competition in which 16 grants of \$35,000 are awarded to support the research and writing of outstanding Christian scholars for a full academic year. Since the program began, 73 fellowships have been awarded to scholars from Notre Dame, Yale, Harvard and Duke Universities, and the Universities of Illinois, Wisconsin and Indiana. A \$2.18 million grant from the trusts has funded the program's activities since 1993.

Pew scholars have investigated such topics as the role of women in American fundamentalism, the impact of missionary activity on indigenous African cultures and upon anthropological methodology, the influence of moral values on the writing of post-communist constitutions in Eastern Europe, and the nature of forgiveness in Christian theology.

The Pew Charitable Trusts, a national and international philanthropy, support nonprofit activities in the areas of culture, education, the environment, health and human services, public policy and religion. Through their grant making, the trusts seek to encourage individual development and personal achievement, cross-disciplinary problem solving, and innovative, practical approaches to meeting the changing needs of a global community.

## Notre Dame Ranked Best Place to Work

*Computerworld* magazine has ranked Notre Dame among the nation's top 100 places for professionals in the field of information systems to work. Notre Dame ranked number 62 overall and sixth among the nine colleges and universities rated in the top 100.

In its third annual "Best Places to Work" survey, *Computerworld* analyzed more than 1,100 American business, government agencies and educational institutions. In addition to rating the technology environment at each workplace, the magazine considered factors such as salaries, benefits, staffing, budgets and training opportunities.

# FACULTY NOTES

## Honors

**Matthew F. Benedict**, adjunct assistant professor of English, received a third place award at the August 1996 national Fiction Writing Competition conducted by the Newport, Rhode Island, Community Writers Association, for the short story "Untitled."

**Jeffrey H. Bergstrand**, associate professor of finance and business economics, was appointed associate editor of the *Review of International Economics* which publishes theoretical and empirical papers on international finance, international trade and open-economy macroeconomics.

**Bruce A. Bunker**, professor of physics, has been chosen to be one of three co-organizers for the 10th international conference on XAFS to be held in Chicago, Ill., in 1998.

**Nathan O. Hatch**, provost and professor of history, has been inducted as an honorary member of the Notre Dame Chapter of Phi Beta Kappa, the nation's oldest and most respected academic honorary society.

**Ahsan Kareem**, professor of civil engineering and geological sciences, has been invited to join the editorial advisory board of *Applied Ocean Research*, Elsevier Science.

**Gilbert Loescher**, professor of government and international studies, was appointed to the External Research Advisory Committee of the U.N. High Commissioner for Refugees in Geneva for 1996-98. He served as a special advisor to the office of the U.N. High Commissioner for Refugees where he set up a research policy unit at UNHCR headquarters in Geneva, Switzerland, Jan.-Aug.

**Alvin Plantinga**, professor of philosophy, received an honorary doctorate of humane letters from Brigham Young University and gave the commencement address "Christian Scholars and Christian Universities" in Provo, Utah, Aug. 15.

**Raimo Väyrynen**, professor of government and international studies and Regan director of the Kroc Institute, has been appointed a member of the international board of *Cooperation and Conflict*, *Nordic Journal of International Studies*.

## Activities

**John G. Borkowski**, McKenna professor of psychology, chaired the meetings of the National Advisory Committee of the John F. Kennedy Center on Human Development at Vanderbilt University in Nashville, Tenn., May 16-17. He presented an invited address on "Adolescent Mothers

and Their Children: Implications for the Definition of Mental Retardation" to the Academy on Mental Retardation in San Antonio, Tex., May 31. He gave the talk "Adolescent Parenting: Possible Solutions to a National Problem" at the Notre Dame Alumni Reunion in Notre Dame, Ind., June 8. Borkowski, Lisa Rellinger and **Thomas L. Whitman**, professor of psychology, presented a poster on "Children of Adolescent Mothers in the 1990s" at the third annual summer institute of the Family Research Consortium in San Diego, Calif., June 20.

**Paul F. Bradshaw**, professor of theology, gave the paper "The Influence of Jerusalem on Christian Liturgy" at the conference titled Jerusalem: Its Sanctity and Centrality to Judaism, Christianity and Islam at Tantur, Israel, June 23-28. He gave the paper "The Gospel and the Catechumenate in the Third Century" at a meeting of the Society for Liturgical Study at Oxford, England, Aug. 28. He presented the paper "The Effects of the Coming of Early Christian Worship" at a colloquium of the project on a Missiology of Western Culture in Paris, France, Sept. 4-7.

**Neal M. Cason**, professor of physics, gave a talk titled "Experimental Search for Exotic Mesons" at the Division of Particles and Fields meeting at the University of Minnesota in Minneapolis, Minn., Aug. 13.

**Kevin J. Christiano**, associate professor of sociology, served as discussant in the session on "The Sociology of Religion: Religion, Social Tension, and Global Change" at the annual meeting of the American Sociological Association in New York, N.Y., Aug. 19.

**Lawrence S. Cunningham**, chairperson and professor of theology, organized and presided over the opening session of the conference "The Reception of Vatican II" at the University of Notre Dame, Notre Dame, Ind., April 14-16. He was an invited participant at the Auburn Seminary/Lilly Consultation on the Future of Graduate Theological Education in New York, N.Y., April 19-21. He gave the Hesburgh lecture "The Church and the New Millennium" at the Notre Dame Club/St. Michael's Parish of Richmond, Va., May 23. He served as main speaker at the annual dinner of the Notre Dame Alumni Club of Columbus, Ohio, May 30. He served as convenor/chair of the Historical Theological Society of America annual meeting in San Diego, Calif., June 8. Cunningham gave a reading from the journals of Thomas Merton and an informal discussion at Hawley-Cooke Bookstore in Louisville, Ky., June 23. He gave the lecture "Thomas Merton: Contemplative Activist" at the Hirshhorn Museum of the Smithsonian Institution in Washington, D.C., June 25.

**Roberto A. DaMatta**, Joyce professor of anthropology and fellow in the Kellogg Institute, gave the opening lecture for the Social Sciences Division of the Federal Uni-

# FACULTY NOTES

versity of Paraná in Curitiba, State of Paraná, Brazil, March 4. He lectured on "Education and Ethics" for the Brazilian Association of Catholic Schools in Belo Horizonte, State of Minas Gerais, Brazil, March 16. He gave a paper titled "Globalization and National Identity: Reflections from the Brazilian Experience" at the international meeting on Cultural Pluralism, Identity and Globalization, a seminar sponsored by UNESCO, the International Council of Social Sciences and the Candido Mendes University Group in Rio De Janeiro, Brazil, April 10. He gave a conference on "Foundation Myths of Modern States" to the Forum on Science and Cultura at the Federal University of Rio de Janeiro, Brazil, April 26. He gave a lecture on the "Social Aspects of the Real Plan" in a seminar commemorating the second year of the Brazilian new currency, the "Real Plan," organized by the Rio de Janeiro Commercial Association in Rio de Janeiro, Brazil, July 1. DaMatta presented the paper "Racism: Brazilian Style" at the international seminar on Multiculturalism and Racism: The Role of Affirmative Action in Contemporary Nation-States organized by the Brazilian Ministry of Justice in Brasilia, Brazil, July 3-4. He gave the paper "Festivals and Cities: On the Brazilian Case" at the seminar titled Exchanges and the City organized by the Portuguese Royal Office of Rio de Janeiro, Brazil, July 19. He presented the paper "On the Construction of Modernity in Brazil" at the international seminar on Iberic Cosmologies organized by the Portuguese Royal Office of Rio de Janeiro, Brazil, Aug. 13. He gave a lecture on "Understanding Messianism in Brazil" at the Cultural Center of the Inter-American Development Bank and the Institute for the Advanced Study of Culture in Washington, D.C., Sept. 13.

Ahsan Kareem, professor of civil engineering and geological sciences, served as a member of the U.S. participants who drafted a plan for future research needs in controlling damage to urban developments in an invited joint U.S.-Japan workshop on Mitigation of Urban Disaster: Cooperative Research on Structural Control held under the auspices of the U.S. National Science Foundation and Japan Society for Promotion of Science in Kyoto, Japan, March 14-15. He gave a seminar at the University of Tokyo and gave brief presentations at the Akashi Kaikyo Bridge Authority, Yusui Architects and Engineers and Shimizu Corporation in Akashi Straits, Osaka, Kansai and Kobe. Kareem spoke at the semi-annual meeting of the Natural Hazards Mitigation group of the U.S. Insurance Institute for Property Loss Reduction on Risk Assessment in Raleigh, N.C., March 26. He spoke on "Strategies for Retrofitting of Structures" at the Project Blue Sky workshop, a community model experiment of retrofitting and application of new design and construction tools, in Charlotte, Va., March 23. He served as a workshop moderator and member of the Technical Program Committee of the National Hurricane Conference in Tampa, Fla., April 2-5.

Lee J. Krajewski, Daley professor of manufacturing strategy, presented "Future Directions of Research in Operations Management" and gave an invited paper titled "Communicating in the POM Classroom: Another Author's Perspective" at the seventh annual conference of the Production and Operations Management Society in Indianapolis, Ind., March 31. He presented the seminar titled "Getting Your Research Published" at the University of Dayton Faculty Development Seminar in Dayton, Ohio, March 26. He gave an invited presentation titled "The Decision Sciences Journal: An Update" and served as the session chair for "POM Topics" at the Northeast Decision Sciences Institute annual conference in St. Croix, Virgin Islands, April 19.

Thomas Kselman, professor of history, presented a paper "Religious Conflict as an Enduring Theme in French Cultural History" at the fifth conference of the International Society for the Study of European Ideas held in Utrecht, The Netherlands, Aug. 19-24.

Catherine M. LaCugna, Dreux professor of theology, presented the paper "Do Not Extinguish the Spirit" in response to the plenary speaker at the meeting of the Catholic Theological Society of America in San Diego, Calif., June 6. She gave the talk and slide show "Experiencing the Trinity through Art" to the First Friday Club of Cleveland, Ohio, Aug. 1. She was interviewed by Radio WMIH in Cleveland, Ohio, Aug. 1. She presented "Perspectives on Teaching" at the keynote session of Teaching Seminars for Faculty and Graduate Students sponsored by the Graduate School, University of Notre Dame, Notre Dame, Ind., Aug. 24.

Gilbert D. Loescher, professor of government and international studies, presented a paper on "The Search for Solutions" and chaired a session at an international conference on Human Rights and Forced Migration in Conflicts at the Institute for Public Policy Research in London, England, March 3-4. He presented a paper on the future of refugee research at the International Association for the Study of Forced Migration in Eldoret, Kenya, April 8.

Scott Mainwaring, professor of government and international studies, and Anibal Perez Linan gave a paper on "Party Discipline in the Brazilian Constitutional Congress" at the 1996 annual meeting of the American Political Science Association in San Francisco, Calif., Aug. 31.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor of theology, presented "The Future of the Church: Looking Toward the Third Christian Millennium" and "The Future of Ministry" at Sacred Heart School of Theology in Hales Corners, Wis., April 27. He presented "The Making of an Encyclopedia" to the First Friday Club of Cleveland, Ohio, June 27. He served on a panel on "Chairing the Department: Keys to Effective Chairman-

# FACULTY NOTES

ship" at a retreat for department chairpersons at the Center for Continuing Education, Notre Dame, Ind., Aug. 20. He was interviewed on "Is the Catholic Church: Wrong About Sex?" and "Should Women be Ordained as Priests?" for the PBS Television Program "Debates 104" televised during July and August.

**Ellen O'Connor**, associate professional specialist and concurrent associate professor in the College of Business Administration, presented a paper titled "Civilizing Work: Moral and Political Philosophy in Mayo and Barnard" and chaired the session "Narrative, Rhetoric, Representation: Discourse Approaches to Organizational Knowledge" at the 1996 annual meetings of the National Academy of Management in Cincinnati, Ohio, Aug. 9-14.

**John E. Renaud**, Clark assistant professor of aerospace and mechanical engineering, presented two works "Automatic Differentiation in Robust Optimization" and "Automatic Differentiation for More Efficient Multidisciplinary Design Analysis and Optimization" with graduate student Brett A. Wujek at the sixth AIAA/NASA/USAF Multidisciplinary Analysis and Optimization symposium in Bellevue, Wash., Sept. 4-6. In addition he delivered a presentation titled "A Comparison of Equality Constraint Formulations for Concurrent Design Optimization" with graduate student Ravindra Tappeta at the 1996 ASME Design Engineering technical conference and Computers in Engineering conference in Irvine, Calif., Aug. 18-22.

**Maura A. Ryan**, assistant professor of theology, served as a panel respondent to Phillip Keane, S.S., on "The Role of the Holy Spirit in Contemporary Moral Theology" at the Catholic Theological Society of America convention in San Diego, Calif., June 9. She presented "Power and Powerlessness in Health Care Decision Making" at the Department of Theology Summer Lecture Series at the University of Notre Dame, Notre Dame, Ind., July 17.

**Robert Schmuhl**, chairperson and professor of American studies, was an invited speaker on a panel about "Politics and Religion 1996" at the annual meeting of the Religion Newswriters Association in Evanston, Ill., Aug. 31.

**James P. Thomas**, assistant professor of aerospace and mechanical engineering, served as an AFOSR research associate performing experiments to characterize the crack growth of Ti-6Al-4V titanium used in jet engine fan blades and fan disks in the Materials Behavior Branch at Wright Laboratory in Dayton, Ohio, June-July.

**Peter Van Inwagen**, O'Hara professor of philosophy, delivered the paper "The Compatibility of Darwinism and Design" at a conference on God and Science at King's College in London, England, May 29. He presented "Why Is There Anything at All" at the joint session of the Mind Association and the Aristolian Society in Dublin,

Ireland, July 8. He gave the paper "The Mystery of Metaphysical Freedom" at the fifth international congress of Christian Philosophy in Lublin, Poland, Aug. 26.

**Arvind Varma**, Schmitt professor of chemical engineering, co-authored a paper titled "Metal-Composite Membranes: Synthesis, Characterization and Reaction Studies" presented by postdoctoral research associate King Yeung at the international congress on Catalysis held in Baltimore, Md., July 1-5. He co-authored the following papers presented at the world congress in Chemical Engineering in San Diego, Calif., July 15-18: "Metal Composite Membranes: Synthesis, Characterization and Reaction Studies" and "Microporous Ceramic Membranes: Synthesis, Characterization and Reaction Studies" presented by Yeung; and "Mechanistic Studies in Combustion Synthesis of Reaction-Bonded Silicon Nitride: Experiments and Theory" co-authored by **William Strieder**, professor of chemical engineering, and presented by doctoral student Mostafa Maalmi. Varma co-authored "Membrane Synthesis and Catalyst Distribution Studies for Ethane Dehydrogenation in Microporous Alumina Membrane Reactors" presented by doctoral student John Szeigner at the international conference on Inorganic Membranes in Gatlinburg, Tenn., July 15-18.

**Rev. Oliver F. Williams, C.S.C.**, associate professor of management and co-director of the Center for Ethics and Religious Values in Business, presented "Ethical Issues in the Defense of Damages" at Columbia Healthcare Indemnity, Inc., in Nashville, Tenn., June 20. He presented "Ethical Issues in Sports Management" at the Sports Management Institute in Notre Dame, Ind., June 21. He gave the presentation "Living with International Codes of Ethics: The Sullivan Principles in South Africa" at the eighth international conference on Socio-Economics at the University of Genève in Geneva, Switzerland, July 13. He served as seminar moderator for "Shaping the 21st Century Corporation" at the Aspen Institute in Aspen, Colo., July 20-26. He presented "A Framework for Envisioning the Role of Catholic Social Teaching in a Business School, Enhancing the Catholic Character of Business Schools" at Loyola Marymount University in Los Angeles, Calif., July 27. He gave the talk "Implications of South Africa for Business School Education" to the International Association of Jesuit Business Schools at Loyola Marymount University, July 29.

**Eduardo E. Wolf**, professor of chemical engineering, presented a poster titled "Scanning Probe Microscopy and XPS Studies of the Sulfur Deactivation of a Pd Model Catalyst" at the 11th international congress of Catalysis in Baltimore, Md., July 1-5. He presented a seminar titled "Engineering Aspects of Methane Oxidative Conversion" at the Union Carbide Research Center in Charleston, W.Va., July 30.

# ADMINISTRATORS' NOTES

---

## Appointments

**Michael A. Cook Jr.** has been appointed to the position of investment analyst in the Investment Office. He worked in the Unitrust Division as an administrator at the Wall Street firm Bank of New York. He is a 1995 Notre Dame graduate with a bachelor's degree in management information systems.

**Donald H. Fehrs**, senior investment analyst in the Investment Office, has been promoted to investment director responsible for fixed income investments and investments for a variety of special situations such as energy commodities. He also will coordinate the office's risk management activities.

**Jon D. Gentry**, investment analyst in the Investment Office, has been promoted to senior investment analyst responsible for interviewing and selecting investment managers for University endowment and pension portfolios.

**Michael R. Ridenour**, senior investment analyst in the Investment Office, has been promoted to investment director with responsibility for real estate investments, an increasingly prominent part of the University's endowment portfolio.

**John A. Sejdinaj**, director of fixed income and cash management in the Investment Office, has been appointed the first director of the Finance and University Budgeting Office. This office will re-engineer the budget processes and systems to better support the development of operating and capital budgets throughout the University.

## Honors

**David R. Prentkowski**, director of food services, has been elected president of the National Association of College and University Food Services, a professional association of food services professionals from more than 600 colleges and universities in the United States and Canada.

## Activities

**Nancy Horvath**, internal auditor for University audits, and **Julie Stevens**, senior accountant for payroll, gave joint presentations on "Tax Audits: Nonresident Aliens; Form I-9; and 403(b) Retirement Plans" at the 40th annual ACUA 96 conference in Phoenix, Ariz., Sept. 15-20.

**Mary Ellen Koepfle**, director of restricted funds, served on the Professional Educational Committee, was track coordinator for the Compliance and Regulatory Issues Section and gave a presentation on "Federal Grants and Contracts" at the 40th annual ACUA 96 conference in Phoenix, Ariz., Sept. 15-20.

**Shiree S. Moreland**, assistant director for information services, Office of Information Technologies, presented "Connecting Expertise through Computer Support Partnerships" to management personnel at the University of Alabama in Birmingham, Ala., Sept. 6.

**Timothy Truesdell**, director of development research, presented "Management Skills and Professional Relationship Building in Prospect Research" to the Association of Professional Researchers in Advancement at its national conference in San Diego, Calif., Aug. 21-24.

## Publications

**Alan S. Bigger**, director of building services, and **Linda B. Bigger**, assistant director of purchasing, wrote "Plug the Leaks in Your Preventive Maintenance" published in the September 1996 issue of *Executive Housekeeping Today*.

## Faculty Senate Journal May 2, 1996

The chair Professor Richard McBrien called the senate to order in the auditorium of the Center for Continuing Education and asked Professor Regina Coll, C.S.J., to offer a prayer. The journal for the meeting of April 10, 1996, having been presented and the secretary Peter Lombardo having noted a couple of minor modifications and the addition of some correspondence between Professor Wilson Miscamble, C.S.C., and the chair, the senate voted to accept it with the changes. The chair's report followed, and it is printed as appendix A of this journal. McBrien reported on three items (Academic Council activities, the senate survey on the dean of the College of the Arts and Letters, and a thank you to those senators whose terms expire with this meeting). He commented further on the Academic Council's view of the senate issues (the addition of two at-large senate members to represent adjunct faculty, and the grievance/appeals resolution); both are pending and may not be passed exactly as the senate may have wished, but with substantial senate input.

Miscamble asked where the results of the dean's survey would go. In response McBrien said the routing had been agreed to at the May 1995 senate meeting: to the chair of the college's evaluation committee and to the chair of the senate's Administration Committee. Miscamble further asked what the return rate of the survey was. The chair responded that it was not what he had hoped for and believed it was in the low 20s. Miscamble asked what conclusion he might draw from this, but McBrien said it was not his place to draw any conclusion. Continuing, Miscamble wondered if future surveys will be routed in the same way. McBrien said this was not necessarily a precedent but it could be. The senate will not release survey results, although in cases where there is a wide discrepancy in feeling, it does reserve the right to do so. The senate would decide ultimately, not the chair. In response to another question from Miscamble, McBrien said he knew the results because he sent them out; any senator may see them, but the senate will not publish the results. Professor Michael Detlefsen interjected that any faculty member may see the results, not only senators. Miscamble believed there was a lack of clarity on who should receive the results of the survey and McBrien agreed, asking the Administration Committee to look into the record to see if clarity could be attained. But the chair did not decide the routing on his own. McBrien said he had the results with him if anyone wanted to see them.

Professor Laura Bayard presented the annual treasurer's report, and it is printed as appendix B of this journal.

The senate then recessed for committee meetings for 30 minutes. The chair invited new members to sit in on the committee of their choice.

Upon reconvening the senate heard committee reports.

1. **Academic Affairs** — Detlefsen updated the senate on its research monies proposal which will be formally presented later in the meeting, and thanked committee members for their work.
2. **Administration** — The chair Professor Jean Porter had no committee report, but expressed her pleasure with the hard work and dedication of everyone on the committee.
3. **Benefits** — Borelli thanked the committee. Professor Kathleen DeLanghe presented the committee report which was a series of items for further discussion: The University should consider an alternative to the Retiree 2000 plan, and discounts for services for retirees; it should also seek solutions to the problems people have with the CIGNA plan.
4. **Student Affairs** — Professor Patrick Sullivan, C.S.C., thanked the committee and said they would present two resolutions later.
5. **Ad Hoc Nominating Committee** — In the absence of the chair Professor David Ruccio, Professor William Eagan presented its report, and it is printed as appendix C of this journal. Eagan moved adoption of the report and Borelli seconded. Porter pointed out that adoption would mean senate endorsement of all parts of the resolution. The chair ruled that discussion and vote would be deferred until later or next year because of the heavy agenda. Eagan appealed the ruling, and the senate upheld the chair 19 to three. McBrien said the senate should consider the proposals at its first opportunity and thanked the committee for its work.

The chair moved to other agenda items. Detlefsen presented a report and proposal, as amended, for senate consideration in regard to research monies at Notre Dame. As a committee resolution, no second was needed. He noted that, if passed, the resolutions should be sent to the president, the provost, the provost-elect, the vice president for graduate studies and research, and the dean of the College of Arts and Letters. The committee engaged in extensive background work with three colleges and the graduate school research office. There seems to be no serious problem with research money on the sciences or engineering but money coming from the National Endowment for the Humanities is in serious jeopardy. This is especially significant at Notre Dame. Their report is presented as Appendix D of this journal with senate modifications.



# DOCUMENTATION

Discussion followed and a number of wording changes occurred. Detlefsen emphasized that a revived committee, as proposed in point four, would be an oversight body and keep the University community informed on changes in funding sources and priorities. He said too no change in the Academic Articles would be necessary for any of these recommendations. In response to concerns about the National Endowment for the Arts, the committee did not have sufficient data to make specific references to cuts or any other proposals; it would include NEA matters when the data are available and it would urge the new committee to seek NEA data. Professor Jill Godmilow proposed that NEA figures (which she would provide) should be included in all four recommendations where NEH figures are reported; Borelli seconded, and the senate discussed the amendment. Professor Jerome Neyrey, S.J., said the amendment would derail the proposal, since the data had not been reported to the committee. Professor Daniel Sheerin thought the committee could include NEA in its proposals. Detlefsen said its efforts, on campus and with Congress, did not elicit the data; if such data were furnished, the committee could reshape its proposal. Godmilow withdrew her amendment.

Professor Gary Hamburg moved as an amendment that a fifth recommendation on NEA be added, which Detlefsen accepted and for which he agreed to provide proper wording. The senate voted to accept the Hamburg amendment, 21 in favor, four opposed and one abstention. Borelli offered a further amendment on NEA, but it was not seconded. Professor Philip Quinn said he could not now support the resolution if references were included about NEA funding; the senate had no responsible data at hand to support any wording on NEA cuts. Detlefsen said his wording would account for this, and Quinn accepted this reassurance. Detlefsen proposed a change in (iv) to take account of Borelli's concerns, and the committee agreed.

The senate voted to accept the committee's document and agreed to its recommendations: 23 in favor, zero opposed, two abstentions.

The senate moved to consider a resolution from the Student Affairs Committee on the gay/lesbian issue, printed as appendix E of this journal. Coll spoke for the committee, and said the resolution simply deplored the response of the vice president for student affairs to her own Ad Hoc Committee's recommendation #5. The committee agreed to strike the last line of its resolution, and thus asked no action on the part of Student Affairs. Professor Jerry Wei spoke against the resolution, saying it would only increase confrontation. Notre Dame should be free of harassment in all forms but cannot endorse lifestyles contrary to Catholic teaching. The resolution does not resolve or heal issues. Professor Kathleen Biddick spoke

in favor of the resolution, saying a group at this University which can't invite speakers was not a real group. Porter liked the original resolution, calling upon the vice president to accept her own Ad Hoc Committee's recommendations; they were unanimous, reasonable and a step forward. Porter believed the senate should do more than deplore what she termed O'Hara's "grudging" acceptance of the report. Miscamble gave credit to O'Hara for responding with great care, endorsed Wei's view of the resolution as unconstructive and asked the senate to give O'Hara's response time for implementation. If people disagreed with it, at least respect it. Coll said the committee was not trying to answer O'Hara, but to stand with the students who were being denied rights every other student at Notre Dame enjoyed.

Borelli spoke against the resolution; he saw it as criticism of O'Hara who had done all she could do, and made some progress — perhaps not enough for all, but some. Having signed the "safe haven" pledge he could not support this resolution. Professor Sonja Jordan supported the resolution and believed O'Hara made a mistake in rejecting recommendation #5. Quinn spoke in support of the resolution, saying it focused on whether her response was adequate; to him it was not because it was discriminatory, denying one group the rights other student groups have. To Professor Richard Lamanna the issue was not rights, which are not absolute, but recognition. O'Hara refused recognition on certain grounds of Catholic teaching. The senate should examine those grounds and not skirt the issue. Godmilow pointed out that the resolution does not request recognition. Eagan said O'Hara had told us she had responsibility for this issue, and she acted on it. Now the senate can accept this and see if she acted properly.

Sullivan reminded the senate that O'Hara was asked at a Campus Life Council if the group was acting contrary to Catholic teaching, and she gave no answer — only silence. The argument that the group does so has not been substantiated. He referred to the *Catechism of the Catholic Church* on discrimination, and Coll read the relevant position of the document. Miscamble was delighted to hear them refer to the *Catechism* and would debate it with them; he agreed with Lamanna and asked senators to keep an open mind and not a soft heart. The senate should vote down this resolution.

Porter wanted to focus on the resolution and its reference to O'Hara's rejection of certain recommendations which the Ad Hoc Committee made. It was certainly not soft-hearted of Fr. Richard Warner, C.S.C., a committee member, to accept those recommendations. Lamanna asked the committee if it had received assurances from the gay and lesbian group that they did not engage in sexual relations. Sullivan said he didn't know and would never ask



# DOCUMENTATION

such a question. It would not be asked of any other groups on campus. Business clubs are not asked if they support Catholic teaching on the union movement.

Eagan moved the previous question and the senate agreed to vote. The senate approved the resolution: 21 in favor, four opposed, two abstentions.

The senate moved next to the Student Affairs Committee resolution on the University's non-discrimination clause (printed as appendix F), also presented by Coll. Neither *du Lac* nor the *Faculty Handbook* mentions sexual orientation in their non-discriminatory clauses. This resolution asks the University to do so in all policy statements. Notre Dame does not include "gender" in its non-discrimination policy, but the committee is making no recommendation at this time to include it. For Professor Ava Preacher, excluding gender is a practical matter (such as limited housing for the admissions policy), but groups are looking at this issue. Sullivan pointed out a typographical error in the resolution. Lamanna found the format of the presentation curious; there were no "whereas" clauses to provide the rationale behind the resolution. The senate agreed to vote: 22 in favor, one opposed, three abstentions.

There was no new business. McBrien publicly thanked the outgoing senators. Miscamble asked what the quorum was, and the chair said one-third. Miscamble pointed out that barely half the senators were here.

This concluded the business of the 1996-97 Faculty Senate.

After a short recess, McBrien opened the 1996-97 Senate, and welcomed new and returning members. The first order of business was election of new officers. For this the outgoing vice chair Sonja Jordan took the podium and thanked McBrien for his efficient handling of business. "Campaign statements" for the candidates are printed as Appendix G.

There were two nominations for chair — Detlefsen and McBrien. McBrien won the contest 25 to seven, and resumed the chair.

There was one nomination for vice chair: Porter, who was elected by acclamation.

There were two nominations for treasurer: Bayard and Borelli. In the contest, Bayard received 28 votes and Borelli four.

There were two nominations for co-secretary: Lombardo and Preacher were re-elected by acclamation.

For committee chairs:

There was one nomination for Academic Affairs: Jordan was elected by acclamation.

There was one nomination for Administration: Professor Clive Neal was elected by acclamation.

There were three nominations for Benefits: DeLanghe, Professor Michael Hemler and Borelli. In the voting DeLanghe received 12, Hemmler one and Borelli 19.

There were two nominations for Student Affairs: Umesh Garg and Sullivan. In the voting, Garg received eight votes, and Sullivan 24.

In other business Sullivan moved to renew the Notre Dame Forum on Academic Life, and Quinn seconded. Professor Richard Sheehan asked what would be its focus. The chair replied it had none yet. He would appoint an ad hoc committee to select the theme, format and speakers. The senate voted: 32 in favor, zero opposed, zero abstentions.

Borelli moved adjournment, Lombardo seconded and the senate agreed to adjourn at 10 p.m.

**Present:** Bayard, Biddick, Borelli, Broderick, Buttigieg, Coll, DeLanghe, Detlefsen, Doordan, Eagan, Godmilow, Gundlach, Gutting, Hamburg, Hemler, Huang, Jordan, Lamanna, Lombardo, McBrien, Miscamble, Neyrey, O'Brien, Pillay, Porter, Preacher, Quinn, Sheerin, Sullivan, Taylor, Wei

**Absent:** Attassi, Bradley, Bunker, Collins, Conlon, Esch, Hyde, Mason, Mathews, Neal, Rai, Rathburn, Stevenson, Zachman

**Excused:** Bottei, Garg, Mayer, Ruccio, Sayers, Schmid, Simon, Weinfield

**New Student Present:** Fulton

**New Members Present:** Sheehan, Davis, Williams, Runge, Hill, Blenkinsopp, Ramsey

# DOCUMENTATION

## Appendix A

Chair's report  
May 2, 1996

1. At its final meeting of the academic year on May 7, the Academic Council will have on its agenda the recently passed Faculty Senate resolution regarding the addition of two adjunct faculty members, elected at-large, to the Faculty Senate, and also the Senate's resolution, passed a year ago, regarding faculty appeals and grievances. The first resolution, on adjunct faculty, will come to the floor of the Academic Council with a negative recommendation from the Council's Executive Committee, and the second resolution, on appeals and grievances, will come to the floor with the Executive Committee's recommendation that it be remanded to the Executive Committee of the Academic Council which would remand it, in turn, to an ad hoc subcommittee of the Provost's Advisory Committee. The subcommittee would report back to the Academic Council's Executive Committee in the fall, after which the matter would be placed once again on the agenda of the Academic Council.

2. The Faculty Senate's survey of the Dean of the College of Arts and Letters, conducted in conjunction with his current five-year review, has been completed and, in accordance with an agreement reached with the evaluation committee, the results have been forwarded to the chair of the evaluation committee, our colleague Joseph Buttigieg. The results have also been sent to the chair of the Committee on the Administration of the University, Jean Porter.

3. The Chair would like to take this opportunity to thank publicly the following members of the Faculty Senate whose terms have now ended and whose service on the Senate has been completed, at least for the time being. In alphabetical order, the departing members are: Hafiz Atassi, Rudolf Bottei, Gerard Bradley, Bruce Bunker, Edward Conlon, Harald Esch, Gary Gutting, Gary Hamburg, Wilson Miscamble, C.S.C., Jerome Neyrey, S.J., James O'Brien, Jr., Paul Rathburn, David Ruccio, Daniel Simon, Robert Stevenson, Jerry Wei, and Henry Weinfield.

## Appendix B

Faculty Senate: Preliminary Treasurer's Report:  
1995/96

Report by Laura Bayard, Treasurer

Through 31 March 1996

| <u>Acct./Transaction Description</u>                | <u>Credit</u> | <u>Debit</u> | <u>Balance</u>   |
|-----------------------------------------------------|---------------|--------------|------------------|
| 1995/96 Allocation, including 3% inflation increase |               |              | \$6090.00        |
| Miscellaneous                                       |               | \$334.00     |                  |
| Telephone Line (July/Aug. 95)                       |               | \$63.66      |                  |
| Telephone Toll                                      |               | \$5.82       |                  |
| Duplicating and Copying                             |               | \$1205.83    |                  |
| Food                                                |               | \$308.15     |                  |
| Postage                                             |               | \$62.06      |                  |
| Subscriptions                                       |               | \$162.00     |                  |
| AAUP Membership                                     |               | \$87.00      |                  |
| Supplies                                            |               | \$283.75     |                  |
| Advertising                                         |               | \$306.70     |                  |
| Gifts                                               |               | \$100.00     |                  |
| Entertainment                                       |               | \$1635.54    |                  |
| Graduate Assistant Stipend                          |               | \$25.00      |                  |
| TOTAL EXPENDITURES as of 3/31/96                    |               | \$4579.51    |                  |
| BALANCE as of 3/31/96                               |               |              | <u>\$1510.49</u> |

April/May/June 1996 projected adjustments to budget:

| <u>Acct./Transaction Description</u> | <u>Credit</u> | <u>Debit</u> | <u>Balance</u>  |
|--------------------------------------|---------------|--------------|-----------------|
| BALANCE as of 3/31/96                |               |              | \$1510.49       |
| Telephone Line (erroneous charge)    | \$63.66       |              |                 |
| Subscriptions (overpayment)          | \$87.00       |              |                 |
| Postage (erroneous charge)           | \$20.90       |              |                 |
| Entertainment                        |               | \$1100.00    |                 |
| Duplicating and Copying              |               | \$325.00     |                 |
| Food                                 |               | \$50.00      |                 |
| Supplies                             |               | \$50.00      |                 |
| Telephone Toll                       |               | \$2.00       |                 |
| PROJECTED TOTALS                     | \$171.56 CR   | \$1527.00    |                 |
| PROJECTED BALANCE:<br>30 JUNE 1996   |               |              | <u>\$155.05</u> |

## Appendix C

### Report of the Ad Hoc Faculty Senate Nominating Committee 1996

As a result of our work in putting together a slate of nominations for this year's elections and of our deliberations surrounding that work, we would like to make the following recommendations:

1. That the Faculty Senate take it upon itself to promote the discussion of the criteria of nomination of and election to the Executive Committee, including such issues as the qualifications, experience, and initiative of the candidates and the balance across colleges and other representative groupings within the university associated with the composition of the Executive Committee.
2. That the Faculty Senate further encourage a culture of contested elections, the dissemination of candidacy statements, and the discussion of the credentials of nominees before elections take place.
3. That the Faculty Senate establish an annual ad hoc nominating committee which has the responsibility (a) to present a slate of nominees directly to the body of the Senate (instead of to the Executive Committee, thus requiring a change in the by-laws) and (b) to run the elections themselves. This avoids the potential of any (real or apparent) conflict of interest for members of the Executive Committee who are running for reelection or election to another position on the Executive Committee. It also shares the burden of the work.
4. That the position of vice-chairs of the various standing committees be established, to assist in the work of the chairs and to prepare future chairs. The vice-chairs would be elected by the membership of each committee and would not sit on the Executive Committee.

#### Members:

Hafiz Atassi  
Regina Coll, C.S.J.  
William Eagan  
Gary Gutting  
David Ruccio, Chair

## Appendix D

### Research at Notre Dame in Light of Recent Actions by the Federal Government

#### BACKGROUND

Recent actions by the U.S. Congress have resulted in changes in the level and/or direction of federal support of research in a number of areas. Although many areas have been affected in one way and/or to one extent or another, consultation with program officers and administrators both here and at a variety of federal agencies reveals that the most serious and long-lasting changes are almost certainly to be those concerning federal support of research and scholarship in the Humanities and the Fine Arts. The budget for the National Endowment for the Arts has been reduced by 38.5% (from \$162 million to \$99.5 million) and the National Endowment for the Humanities has had its budget cut by 36% (from \$172 million to \$110 million).

These changes will have far-reaching negative consequences for scholarly work in the College of Arts and Letters (CAL). The NEH and NEA have been the chief source for non-university based funding of humanities research and creative work in the arts in this country for some time now. Indeed, its importance is even greater than it may at first sight appear to be. This follows from the fact that, in addition to being themselves the chief agencies awarding individual research grants and fellowships, they are also the main and, in some instances, the exclusive sources of funds for the individual awards granted by other agencies (e.g., the ACLS, or American Council of Learned Societies receives virtually all its fellowship money from the NEH).

Research in the CAL is the main victim of the cuts at the NEH and the NEA. It is not, however, the only victim. There will be similarly negative, if somewhat less far-reaching, consequences for scholarship in such faculties as those of the School of Architecture.

Politically based changes in government funding of research are, of course, nothing new. Still, politically based changes in government funding for research have never before been so serious for the research of an entire collegiate faculty of the university. There are two principal reasons for this. Firstly, such reductions have generally been more narrowly selective and have not involved the phasing-out of entire funding agencies of long standing. Secondly, in areas of research other than those covered by NEH and NEA sources (e.g., research in science and engineering) there is typically a much greater range of alternative sources of external funding (both governmental and non-governmental), so that the loss of one source is not so serious.

# DOCUMENTATION

## BASIC INFORMATION (From ISLA Data)

Over the past seven years (academic year 1988-89 through academic year 1994-95), faculty in the CAL have brought in \$10.1 million in external research support. Of that \$10.1 million, \$2.5 million was came from the NEH and NEH supported entities (e.g. the American Council of Learned Societies). NEH sources have thus accounted for approximately 25% of total revenues from external sources in support of research in CAL. They also account for approximately 27% (69 of 259) of all awards received. Over this seven year period, then, there have been, on average, 10 awards worth a total of \$357,000 per year from NEH and NEH-supported sources. Faculty in the CAL can thus expect to lose approximately \$128,500 ( $= .36 \times \$357,000$ ) and 3.6 annual awards in the 1996-97 academic year when the cut of 36% is made.

Faculty in the Humanities Division of the CAL can expect to be especially hard hit. During the period mentioned, they accounted for 88% (61 of 69) of the total number of NEH-supported awards and 87% (\$2,178,037 of \$2,495,213) of total NEH revenues. The Division of Fine Arts accounted for 3% (2 of 69) of total number of NEH-based awards and 3% (\$75,750) of total NEH derived revenues, and the Division of Social Sciences for 9% (6 of 69) and 10% (\$241,426), respectively.

During this same period of time, there were also awards from the NEA and NEA-based sources to CAL faculty. The data provided by the ISLA, however, indicates that these awards were few in number and small in amount and their loss would represent only about a \$1000 per year decrease in support. This data has, however, been challenged by faculty doing creative work in the arts. The principal ground of their misgiving is a question concerning whether all NEA monies received by CAL faculty have been 'registered' with the university in any way. Because of the general level of doubt regarding the ISLA figures, it would seem prudent to call for a reinvestigation by ISLA of possible funds not represented in their accounting.

To the loss of funds at both the NEH and the NEA, one must, of course, also add opportunity losses for future scholarly projects.

## RESOLUTIONS

The facts recounted in the accompanying Background and Basic Information document indicate that the elimination of support for the NEH will have seriously detrimental effects on the research efforts of faculty in the CAL and a few other areas of the university. In order to minimize those effects, we make the following recommendations.

(1) That the Dean of the CAL and appropriate offices in the Graduate School launch an aggressive effort to locate private funding sources that are willing and able to fund the full range of research of CAL faculty. It is important to emphasize that this search should extend to ALL areas of research affected by the scheduled cuts at the NEH and the NEA. Simply increasing the total amount of support from private sources will not in and of itself provide for quality research across the full breadth of interest and expertise represented within the CAL faculty.

(2) That the university immediately appropriate additional funds in at least the amount of \$128,500 [ $= .36 \times \$357,000$ ] to help compensate for the expected shortfall in NEH support for the 1996-97 academic year. These funds should be targeted towards areas of research in the CAL that have been most heavily affected by the cuts in the NEH. For the most part, they should be used to provide full-year research leaves in numbers equivalent to those lost to the NEH and related cuts. Such research awards should be distributed on a competitive basis. This means, at a minimum, that the competition for them ought to include the assessment of proposals by experts of national and international standing from outside the university. The aim should be to emulate the high standards of selection that have prevailed at the NEH and related agencies in the past.

(3) That in each of the years following the 1996-97 academic year, the university should appropriate an amount equal to that portion of the \$128,500 cut that has not been recaptured either by restoration of NEH funds or by an increase in grants from the alternative external sources mentioned in (1).

(4) That the ISLA should reinvestigate the amount of money received by Notre Dame faculty from the NEA during the period beginning with the 1988-89 academic year and ending with the 1994-95 academic year in order to be assured of an accurate figure concerning the average annual income to ND faculty from NEA sources. When that average annual figure (which we shall heretofore refer to as '\$X') is known, the university should appropriate an amount equal to  $.38 \times \$X$  to offset the losses in funding from NEA sources for the 1996-97 academic year.

(5) That in each of the years following the 1996-97 academic year, the university should appropriate an amount equal to that portion of the  $.38 \times \$X$  cut that has not been recaptured either by restoration of NEA funds or by an increase in grants from the alternative external sources mentioned in (1).

(6) That the Budget Priorities Committee of the university be reconstituted and revived in such a way as to include the operation of a meaningful subcommittee (called

# DOCUMENTATION

the Subcommittee on Research) whose task would be two-fold: firstly, to construct and monitor a plan that will lead to increased revenues for research and greater self-sufficiency in matters of research funding in all areas of research and activity in the creative arts at Notre Dame; secondly, to provide oversight and guidance for Notre Dame's internal management of and response to such possible future changes in external funding in all areas of research as those dealt with in this proposal (i.e., the budget reductions at the NEH and the NEA) for research in the CAL. The membership of this subcommittee should include the Provost, the Vice President for Graduate Study and Research, the Deans of each of the colleges, and elected members of the tenured teaching and research faculty from each of the colleges in approximate proportion to the relative size of their faculties.

In addition to its responsibilities of oversight mentioned above, the responsibilities of this subcommittee should also include: (a) the effective advocacy and strengthening of research at Notre Dame, and (b) the regular evaluation of the effectiveness of those offices of the university (e.g., the Development Office) whose responsibilities include the raising of money to support research at Notre Dame.

Passed May 2, 1996  
23-0-2

## Appendix E

### Resolution on Recommendation 5 of Ad Hoc Committee's Final Report

Whereas the Mission Statement of the University of Notre Dame asserts that "the intellectual interchange essential to a university requires, and is enriched by the presence and voices of diverse scholars and students," and that "the University prides itself on being an environment of teaching and learning which fosters the development in its students of those disciplined habits of mind, body and spirit which characterize educated, skilled and free human beings," and that "the University seeks to cultivate in its students not only an appreciation for the great achievements of human beings but also a disciplined sensibility to the poverty, injustice and oppression that burden the lives of so many"; and

Whereas the fulfillment of this mission clearly requires that students be allowed to pursue their education in an atmosphere which encourages self-determination and acceptance of diversity; and

Whereas the constitution and function of student groups is an integral part of the educational process; and

Whereas Vice President O'Hara continues to stigmatize gay and lesbian students by denying them rights and privileges accorded other Notre Dame student groups, namely to invite speakers, to choose their own faculty advisors, to elect their own student leaders, to host social events, and to advertise these events;

Be it therefore resolved that the Faculty Senate deplores Professor O'Hara's response to Recommendation 5 of her own Ad Hoc Committee's Final Report on Gay and Lesbian Student Needs as discriminatory against a group of Notre Dame students and as compromising the University's ideals and stated mission.

Passed May 2, 1996  
21-4-2

## Appendix F

### Resolution on amending the University's non-discrimination clause

Whereas the University non-discrimination policy statements currently read as follows:

"The University of Notre Dame admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs. The University of Notre Dame does not discriminate in admissions, or access to, or employment of persons on its programs on the basis of disability"; and

"The University of Notre Dame is dedicated to equal employment opportunity and to the implementation of positive programs designed to ensure the prevention of any discriminatory practices, either intentional or inadvertent, with respect to race, color, age, sex, religion, national origin or disability. It is the policy of the University of Notre Dame to:

- 1) Recruit, hire, train and promote persons in all job titles without regard to race, color, age, sex, religion, national origin or disability.
- 2) Make employment decisions which further the principle of equal employment opportunity.
- 3) Ensure that promotion decisions are in accordance with principles of equal employment opportunity by imposing only valid requirements for promotional opportunities.

# DOCUMENTATION

4) Ensure that all personnel actions such as compensation, benefits, transfers, layoffs, return from layoff, University sponsored training, education, tuition assistance, social and recreational programs will be administered without regard to race, color, age, sex, religion, national origin or disability.

5) The University is committed to full compliance with all Federal and State laws";

Be it therefore resolved that the Faculty Senate urges the officers of the University and the Board of Trustees to amend all University non-discrimination policy statements that appear in University publications to prohibit discrimination based upon "sexual orientation."

Passed May 2, 1996  
22-1-3

## Appendix G

### Statements for the Faculty Senate Elections 1996

*Rev. Richard P. McBrien (Crowley-O'Brien-Walter Chair, Theology) — for chair*

I seek the support of the Faculty Senate for re-election to the office of Chair for a third one-year term. I do so with the pledge that, if re-elected, I will continue to advance the main elements of the platforms I presented to the Senate prior to the elections of 1994 and 1995; namely, to encourage qualified faculty members to stand for election to the Senate, to encourage others to stand for re-election, and to encourage still others to return to the Senate after a period of absence from it; to strengthen and advance the academic integrity of the University through such vehicles as the Notre Dame Forum on Academic Life without prejudice to the University's Catholic character; to administer the business of the Senate in as efficient and as effective a manner as possible, and to conduct the monthly meetings of the Senate and its Executive Committee in a fair and orderly manner, in accordance with *Robert's Rules of Order*.

The Faculty Senate is the only organized voice of the faculty at Notre Dame. Unfortunately, the Senate has not always enjoyed — some might say "earned" — the respect it needs in order to do its job well. However, in the recently concluded survey of the entire faculty, the work of the Faculty Senate is now better known and receives a more positive approval rating (220 favorable, 135 unfavorable, 82 neutral, 27 no opinion), than that enjoyed by the Academic Council (171 favorable, 91 unfavorable,

126 neutral, 73 no opinion). I pledge to do all I can in the coming academic year to maintain and enhance the Senate's growing reputation for effective faculty leadership in the life and work of this University.

*Peter J. Lombardo (Director of Continuing Education) — for co-secretary*

Please consider this an application for the office of Faculty Senate co-secretary. Having held the position now for eight years, I would very much like to continue in it. Over these years, I have tried to give the Senate, our faculty and other observers as complete and accurate a rendition of our work as possible, and I have tried to reflect the give-and-take of our discussions as fully as possible. In this I hope I have succeeded. These have been difficult years when the Senate has taken up divisive, controversial but necessary issues for the academic community, and I hope the Senate's work as seen in the journal has contributed to the advancement of this University. I would wish to continue in this work.

*Clive R. Neal (Assistant Professor, Civil Engineering and Geological Sciences) — for Committee on Administration, chair*

I had not considered standing as chairperson of the Administration Committee until I was contacted and asked to do so by the Nominations Committee. Having had a chance to reflect on my experiences in the Senate over the last year, I have witnessed more clearly how the university works. I am reminded of a small poster I have on my office door which states that the heaviest element known in the periodic table is "Administration" — my experiences over the last year have confirmed this! Being heavy, the inertia associated with such a body will be and is considerable. Chairing the Administration Committee of the Faculty Senate will allow me to try to the best of my abilities to impart some kinetic energy to the University administration, thus causing it to be more responsive to the needs of an ever changing University population. I am willing to serve, but feel that I have some pretty big shoes to fill if I replace the outgoing chairperson, Jean Porter. If elected, I will do this gladly and to the best of my ability. Thank you for considering my nomination.

# DOCUMENTATION

---

**Umesh Garg** (*Professor, Physics*) — *for Committee on Student Affairs, chair*

"I am sorry I am not present at this important meeting of the Faculty Senate and hope you would not mind this 'in absentia' address.

"I do not want this nomination to be seen as opposition to Father Sullivan or his work as Chair of the Student Affairs Committee for the past two years. In fact, his would be a very tough act to follow.

"I have been a member of this body for a few years now and feel I can, and should, contribute a bit more. To paraphrase a famous statement, I am a modest person, with, perhaps, a lot to be modest about, but I will try my best to do whatever is needed to ensure a smooth and productive functioning of the Committee.

"Thank you very much."

**Patrick J. Sullivan, C.S.C.** (*Adjunct Associate Professor, Sociology*) — *for Committee on Student Affairs, chair*

Some of you may be curious about why I would want to be chair of the Faculty Senate's Student Life Committee and therefore a member of the Faculty Senate's Executive Committee. Is it because I like attention and conversation? Is it because I am angry and disappointed? Is it because I am too little occupied and scholarly?

I ask these questions and search my motives sometimes. They are frequent concerns of my reveries and prayers. For, it is not a trifling task to be part of a body that is described by some as "the opposition" especially for one who loves his congregation and Alma Mater and is expected never to criticize their administrators, even after confronting them privately, but unsuccessfully.

Yet, the automatic attribution of "opposition" and regular expectation of "blind-loyalty" is a fatal set of assumptions for both Notre Dame and Holy Cross. Our administrators, my brothers, are not evil — just human like all of us. We all need criticism and dissent as well as encouragement and affirmation. Sometimes we accept and expect only the latter — even take them for granted. Sometimes we build ideological frameworks against the former — even are defensive about them. Sometimes these "guarantees" and "defenses" can render us uncomprehending, insensitive, and even dishonest!

My hope is that our role in the Faculty Senate can convince the administration and ourselves that there is not mutual competition and destruction but co-management and co-ownership of Notre Dame with administrators and trustees, faculties and graduates, students and staffs.

My hope is that as a member of the Faculty Senate's Executive Committee, I can contribute to that endeavor on behalf of my Alma Mater and Congregation — which founded this place and is essential, along with many others, to preserve Notre Dame's Catholic character, *if, if* its administrators are early identified, wisely selected, well-trained, widely experienced and highly accomplished!

My hope is that as chair of the Faculty Senate's Student Life Committee, I can assist committee members to help evolve the community of Notre Dame by examining and evaluating, enhancing and educating the personnel and policies, programs and provisions of all aspects of Notre Dame's student life — academic, athletic, religious, residential, social, etc. We would do so by being well informed about the structural and functional, legal and financial aspects of Notre Dame's student activities — students whom we trust, as alumni and alumnae, will have enshrined memories of a community of learning and caring and not simply of regulating and disciplining. Furthermore, by such efforts, in collaboration with O.S.A., we may assist in addressing some of the criticism of that office in the recent North Central States Accreditation report!



# 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

#### Economics

Goulet, Denis

- D. Goulet. 1996. Développement: L'épée à double tranchant. *Foi et développement* 245 (Août-Septembre):1-6.

#### Government and International Studies

Dowty, Alan

- A. Dowty and G. D. Loescher. 1996. Refugee flows as grounds for international action. *International Security* 21 (1): 43-71.

Loescher, Gilbert D.

- See under Dowty, Alan. 1996. *International Security* 21 (1): 43-71.

#### History

Biddick, Kathleen

- K. A. Biddick. 1996. The historiographic unconscious: The return of Robin Hood. In *The salt of common life: Individuality and choice in the medieval town, countryside, and church*, ed. E. B. De Windt, 449-484. Kalamazoo, Mich.: Medieval Institute Press.

#### Romance Languages and Literatures

Welle, John P.

- J. P. Welle. 1996. "Delio Tessa." "Cesare Zavattini." "Tonino Guerra." "Andrea Zanzotto." "Natalia Ginzburg." In *Dictionary of Italian literature*, ed. P. E. Bondanella, 2nd ed., 259-262, 285-287, 579-580, 621-623, 623-625. Westport, Conn.: Greenwood Press.

#### Sociology

Christiano, Kevin J.

- K. J. Christiano. 1996. Teaching seminar course materials. In *Preparing graduate students to teach*, ed. K. A. Mahaffy, 4th ed., 58-68. Washington, D.C.: Teaching Resources Center, American Sociological Association.

### Theology

Cunningham, Lawrence S.

- L. S. Cunningham. 1996. Review of *The cloister walk*, by K. Norris. *Commonweal* 123 (17 May): 26-27.
- L. S. Cunningham. 1996. Introduction to *The confession of St. Patrick*, 7-29. Ligouri, Mo.: Triumph Classics.
- L. S. Cunningham. 1996. Review of *Crossing the threshold of hope*, by Pope John Paul. *Horizons* 23 (Spring): 176-177.
- L. S. Cunningham. 1996. Practicing Catholic: Make my day. *U.S. Catholic* (June):50.
- L. S. Cunningham. 1996. Religion booknotes. *Commonweal* 123 (5 April): 40-43.
- L. S. Cunningham. 1996. Religion booknotes. *Commonweal* 123 (3 May): 27-29.
- L. S. Cunningham. 1996. Religion booknotes. *Commonweal* 123 (1 June): 27-30.
- L. S. Cunningham. 1996. Saints. In *New Catholic encyclopedia (supplement)*. Vol. 19. Washington, D.C.: Catholic University.
- L. S. Cunningham, ed and introduction. 1996. *A search for solitude: The journals of Thomas Merton 1952-1960*. San Francisco, Calif.: Harper San Francisco. xviii + 406 pp.

McBrien, Richard P.

- R. P. McBrien. 1996. Before and after Vatican II. *Priests & People* 10 (8 & 9): 297-302.

Yoder, John H.

- J. H. Yoder. 1996. Kann man für ein anderes Jahrtausend bereit sein? In *Die Theologie auf dem Weg in das dritte Jahrtausend*, eds. C. Krieg, T. Kucharz and M. Volf, 80-87. Munich, Germany: Chr. Kaiser.
- J. H. Yoder. 1996. Noah's covenant and the purpose of punishment. In *Readings in Christian ethics. Volume 2: Issues and applications*, eds. D. K. Clark and R. V. Rakestraw, 471-481. Grand Rapids, Mich.: Baker Book House.

### COLLEGE OF SCIENCE

#### Chemistry and Biochemistry

Basu, Manju

- M. Basu, S-A. Weng, H. Tang, F. Khan, B. Z. Zhang and S. Basu. 1996. Biosynthesis in vitro of neolactotetraosylceramide by a galactosyltransferase from mouse T-lymphoma. Purification and kinetic studies: Synthesis of neolacto and polylectosamine core. *Glycoconjugate Journal* 13:423-432.
- S. S. Basu, M. Basu, Z. Li and S. Basu. 1995. Characterization of two glycolipid: $\alpha$ 2-3sialyltransferases, SAT-3 (CMP-NeuAc:nLcOse4Cer  $\alpha$ 2-3sialyltransferase) and SAT-4 (CMP-NeuAc:GgOse4Cer  $\alpha$ 2-3sialyltransferase), from human colon carcinoma (Colo 205 cell line). *Biochemistry* 35:5166-5174.

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

See under Basu, Subhash C. 1995. *Biology of the sialic acids*, 69-94.

Basu, Subhash C.

- S. Basu, M. Basu and S. S. Basu. 1995. Biological specificity of sialytransferases. In *Biology of the sialic acids*, ed. A. Rosenberg, 69-94. New York: Plenum Press.
- S. Ghosh, S. S. Basu, J. C. Strum, S. Basu and R. M. Bell. 1995. Identification of conditions that facilitate the expression of GST-fusions as soluble, full-length proteins. *Analytical Biochemistry* 225:376-378.
- S. Ghosh, J. W. Kyle, F. Daussin, S. Dastgheib, Z. Li and S. Basu. 1995. Purification, properties and immunological characterization of GalT-3 (UDP-Galactose-GM2 ganglioside,  $\beta$ 1-3 galactosyltransferase) from embryonic chicken brain. *Glycoconjugate Journal* 12:838-847.
- R. N. Bose, D. Li, M. Kennedy and S. Basu. 1995. Reaction of cis platin with a polypeptide near zinc-finger domain of human DNA polymerase- $\alpha$ : Implications to roles of the replication enzyme toward antineoplastic activity of platinum antitumor drugs. *Chemical Communications Royal Society Chemistry* 1731-1732.
- R. Gornati, S. Basu, G. Montorfano and S. Basu. 1995. Test of glycolipid: Glycosyltransferase and neuraminidase activities in human meningiomas. *Cancer Biochemistry Biophysics* 15: 1-10.
- See under Basu, Manju. 1996. *Glycoconjugate Journal* 13:423-432.
- See under Basu, Manju. 1995. *Biochemistry* 35:5166-5174.

Fehlner, Thomas P.

See under Shang, Maoyu. 1996. *Journal of American Chemical Society* 118:8164-8165.

Shang, Maoyu

- H. Hashimoto, M. Shang and T. P. Fehlner. 1996. Clusters as ligands. Coordination of an electronically unsaturated chromaborane to an iron tricarbonyl fragment. *Journal of American Chemical Society* 118:8164-8165.

## Physics

Glazier, James A.

- Y. Jiang and J. A. Glazier. 1996. Extended large-Q Potts model simulation of foam drainage. *Philosophical Magazine Letters* 74 (2): 119-128.

## COLLEGE OF ENGINEERING

### Aerospace and Mechanical Engineering

Thomas, James P.

- C. E. Chopin and J. P. Thomas. 1996. ABAQUS modeling of coupled solute transport in non-porous solids. In *ABAQUS users' conference proceedings*, 195-209. Newport, R.I.

### Chemical Engineering

Chang, Hsueh-Chia

- H-C. Chang, E. A. Demekhin and E. Kalaidin. 1996. Scalings, self-similarity and statistics of interfacial turbulence on a falling film. In *Advances in multiphase flow*, eds. Y. Y. Renardy, A. V. Coward, D. T. Papageorgiou and S. M. Sun, 86-111. Philadelphia, Pa.: SIAM.

Varma, Arvind

- A. Varma, C. R. Kachelmyer and A. S. Rogachev. 1996. Mechanistic studies in the combustion synthesis of aluminides and silicides. *International Journal of Self-Propagating High-Temperature Synthesis* 5:1-25.
- K. L. Yeung, R. Aravind, J. Szegner and A. Varma. 1996. Metal-composite membranes: Synthesis, characterization and reaction studies. *Studies in Surface Science and Catalysis* 101:1349-1358.

### Civil Engineering and Geological Sciences

Kirkner, David J.

- D. J. Kirkner and B. F. Spencer Jr. 1996. Monotonic loading of brittle materials: A stochastic damage model. In *ASCE specialty conference on probabilistic mechanics and structural reliability*, 354-357. Worcester, Mass.

Spencer, Billie F., Jr.

- S. J. Dyke, B. F. Spencer Jr., P. Quast, M. K. Sain, D. C. Kaspari Jr. and T. T. Soong. 1996. Acceleration feedback control of MDOF structures. *Journal of Engineering Mechanics* 122 (9): 1-12.
- W. Yi, B. F. Spencer Jr. and L. A. Bergman. 1996. Application of the concurrent finite element method to solution of the Fokker-Planck equation. In *ASCE specialty conference on probabilistic mechanics and structural reliability*, 10-13. Worcester, Mass.
- H. S. Deoskar, R. V. Tappeta and B. F. Spencer Jr. 1996. Effect of uncertainty on an active mass damper system. In *ASCE specialty conference on probabilistic mechanics and structural reliability*, 426-429. Worcester, Mass.
- See under Kirkner, David J. 1996. *ASCE specialty conference on probabilistic mechanics and structural reliability*, 354-357.

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Computer Science and Engineering

Chen, Danny Z.

- D. Z. Chen, G. Das and M. Smid. 1996. Lower bounds for computing geometric spanners and approximate shortest paths. In *Proceedings of the eighth Canadian conference on computational geometry*, eds. F. Fiala, E. Kranakis and J.-R. Sack, 155-160. Ottawa, Canada: Carleton University Press.

## Electrical Engineering

Sain, Michael K.

- See under Civil Engineering and Geological Sciences; Spencer, Billie F., Jr. 1996. *Journal of Engineering Mechanics* 122 (9): 1-12.

## COLLEGE OF BUSINESS ADMINISTRATION

O'Connor, Ellen

- E. S. O'Connor. 1996. Telling decisions: The role of narrative in organizational decision making. In *Organizational decision making*, eds. Z. Shapira, 304-323. New York: Cambridge University Press.

## Accountancy

Rivera, Juan M.

- J. M. Rivera and J. A. Lainez. 1996. On the comparison of U.S. GAAP, IAS and Spanish accounting. Some empirical effects. In *Readings in accounting in the European union*, ed. A. Socias, 211-230. Universitat de les Illes Balears.

## Management

Crant, J. Michael

- J. M. Crant. 1996. Doing more harm than good: When is impression management likely to evoke a negative response? *Journal of Applied Social Psychology* 26 (16): 1454-1471.
- J. M. Crant. 1996. The proactive personality scale as a predictor of entrepreneurial intentions. *Journal of Small Business Management* 34 (3): 42-49.

Houck, John W.

- J. W. Houck and O. F. Williams, C.S.C., eds. 1996. *Is the good corporation dead? Social responsibility in a global economy*. Lanham, Md.: Rowman & Littlefield Publishers. 326 pp.

Williams, Oliver F., C.S.C.

- O. F. Williams, C.S.C. 1996. The apartheid struggle: Learnings from the interaction between Church groups and business. In *Is the good corporation dead? Social responsibility in a global economy*, eds. J. W. Houck and O. F. Williams, C.S.C., 203-229. Lanham, Md.: Rowman & Littlefield Publishers.
- See under Houck, John W. 1996. *Is the good corporation dead? Social responsibility in a global economy*.

## Marketing

Gaski, John F.

- J. F. Gaski. 1996. Reflections on interorganizational power, dependence and satisfaction. *Psychological Reports* 79 (1): 79-82.

Guiltinan, Joseph P.

- J. P. Guiltinan and G. T. Gundlach. 1996. Aggressive and predatory pricing: A framework for analysis. *Journal of Marketing* 60 (3): 87-102.

Gundlach, Gregory T.

- See under Guiltinan, Joseph P. 1996. *Journal of Marketing* 60 (3): 87-102.

## LAW SCHOOL

Bauer, Joseph P.

- J. P. Bauer. 1995. South Bend, Indiana: A case study of the possibilities and realities of hospital cooperation. *Loyola Consumer Law Reporter* 8 (2): 143-152.

Gurulé, Jimmy

- J. J. Paust, M. C. Bassiouni, S. A. Williams, M. Scharf, J. Gurulé and B. Zagaris. 1996. *International criminal law — Cases and materials*. Durham, N.C.: Carolina Academic Press. 1438 pp.

## RADIATION LABORATORY

Chipman, Daniel M.

- V. A. Rassolov and D. M. Chipman. 1996. Behavior of electronic wave functions near cusps. *Journal of Chemical Physics* 104 (24): 9908-9912.

Guldi, Dirk M.

- D. M. Guldi, J. Field, J. Grodkowski, P. Neta and E. Vogel. 1996. One-electron oxidation of metalloporphyrines as studied by radiolytic methods. *Journal of Physical Chemistry* 100 (32): 13609-13614.

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Awards Received and Proposals Submitted

In the period August 1, 1996, through August 31, 1996

### AWARDS RECEIVED

| Category                 | Renewal  |               | New      |               | Total    |                |
|--------------------------|----------|---------------|----------|---------------|----------|----------------|
|                          | No.      | Amount        | No.      | Amount        | No.      | Amount         |
| Research                 | 4        | 445,571       | 15       | 1,295,085     | 19       | 1,740,656      |
| Facilities and Equipment | 0        | 0             | 1        | 60,000        | 1        | 60,000         |
| Instructional Programs   | 1        | 120,650       | 1        | 112,500       | 2        | 233,150        |
| Service Programs         | 0        | 0             | 4        | 36,949        | 4        | 36,949         |
| Other Programs           | <u>2</u> | <u>61,690</u> | <u>4</u> | <u>93,880</u> | <u>6</u> | <u>155,570</u> |
| Total                    | 7        | 627,911       | 25       | 1,598,414     | 32       | 2,226,325      |

### PROPOSALS SUBMITTED

| Category                 | Renewal  |          | New      |           | Total    |           |
|--------------------------|----------|----------|----------|-----------|----------|-----------|
|                          | No.      | Amount   | No.      | Amount    | No.      | Amount    |
| Research                 | 2        | 396,136  | 14       | 3,089,295 | 16       | 3,485,431 |
| Facilities and Equipment | 0        | 0        | 1        | 121,320   | 1        | 121,320   |
| Instructional Programs   | 0        | 0        | 0        | 0         | 0        | 0         |
| Service Programs         | 0        | 0        | 0        | 0         | 0        | 0         |
| Other Programs           | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u>  | <u>0</u> | <u>0</u>  |
| Total                    | 2        | 396,136  | 15       | 3,210,615 | 17       | 3,606,751 |

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Awards Received

In the period August 1, 1996, through August 31, 1996

### AWARDS FOR RESEARCH

#### Aerospace and Mechanical Engineering

Skaar, S.  
Camera Space Manipulation Using Tripod Operators  
Department of the Navy  
\$7,000 24 months

#### Biological Sciences

Carlton, R.  
Methane Cycling and Release From Littoral Sediments  
National Aeronautics and Space Administration  
\$22,000 36 months

Esch, H.  
Navigation in Bees  
Whitehall Foundation, Inc.  
\$84,000 36 months

#### Civil Engineering and Geological Sciences

Silliman, S., Kulpa, C.  
Analysis of Subsurface Heterogeneity  
Department of Energy  
\$122,728 12 months

Gray, W.  
NSF-Graduate Research Traineeship  
National Science Foundation  
\$112,500 48 months

#### Chemical Engineering

Miller, A., Bandyopadhyay, S.  
Superconducting Quantum Structures  
Purdue University  
\$68,000 48 months

Varma, A.  
Ethylene Epoxidation in a Membrane Reactor  
Union Carbide  
\$25,000

#### Chemistry and Biochemistry

Hammes-Schiffer, S., Lappin, A.  
Simulation of Proton Transport  
ACS Petroleum Research Fund  
\$20,000 24 months

#### Government and International Studies

Kommers, D.  
Faculty Research Fellowship  
National Endowment for the Humanities  
\$30,000 12 months  
Faculty Research Fellowship  
Ger. Marshall Fund, U.S.  
\$30,000 12 months

#### History

Turner, J.  
Faculty Seminar on Religion and Higher Education  
Lilly Endowment, Inc.  
\$784,450 36 months  
Walicki, A.  
Visiting Fellow  
Wissenschaften vom Mensch  
\$16,000 4 months

#### Mathematics

Alber, M., Luther, G.  
Perturbed Evolution Equations and Applications  
National Science Foundation  
\$60,000 36 months

#### Physics

Tanner, C., Berry, H., et al.  
Lasers and Modern Optics for Undergraduates  
National Science Foundation  
\$30,000 24 months  
Schiller, P.  
Magnetic X-Ray Scattering Studies of GGG  
Brookhaven National Laboratory  
\$1,100 3 months

#### Psychology

Radvansky, G.  
The Role of Memory and Language in Spatial Processes  
National Institutes of Health  
\$35,831 12 months  
Borkowski, J., Whitman, T., et al.  
Precursors of Retardation in Children with Teen Mothers  
National Institutes of Health  
\$225,843 12 months  
Radvansky, L.  
Remembering Relational Information Across Eye Movement  
National Institutes of Health  
\$37,204 12 months

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Radiation Laboratory

Asmus, K.  
Effects of Radiation on Matter  
Department of Energy  
\$29,000 12 months

### AWARDS FOR FACILITIES AND EQUIPMENT

## Psychology

Radvansky, L., Radvansky, G., et al.  
Acquisition of a Dual Purkinje Image Eye Tracker  
National Science Foundation  
\$60,000 12 months

### AWARDS FOR INSTRUCTIONAL PROGRAMS

## Biological Sciences

Lamberti, G., Gray, K.  
Environmental Stress in Ecosystems  
National Science Foundation  
\$112,500 36 months

## Civil Engineering and Geological Sciences

Silliman, S.  
Graduate Assistance in Areas of National Need  
Department of Education  
\$120,650 12 months

### AWARDS FOR SERVICE PROGRAMS

## Center for Continuing Formation in Ministry

Lauer, E.  
Center for Continuing Formation in Ministry  
Various Others  
\$34,531 1 month

## ND Center for Pastoral Liturgy

Bernstein, E.  
Center for Pastoral Liturgy  
Various Others  
\$2,271 1 month  
Center for Pastoral Liturgy  
Various Others  
\$30 1 month

## Institute for Church Life

Cannon, K.  
Institute for Church Life  
Various Others  
\$117 1 month

### AWARDS FOR OTHER PROGRAMS

## Graduate School

Diffley, P.  
Fellowship for Elizabeth Groppe-Sniegocki  
Dolores Zohrab Liebmann Fund  
\$36,690 12 months  
Fellowship for Brendan Gaffney  
Institute for the Study of World Politics  
\$7,500 6 months  
Fellowship for Michael Waddell  
Dolores Zohrab Liebmann Fund  
\$36,690 12 months  
Fellowships for Amy Frohlich and Melissa Wilkerson  
National Physical Science Consortium  
\$25,000 12 months  
Fellowship for Rachel Koopmans  
Dolores Zohrab Liebmann Fund  
\$36,690 12 months

## Psychology

Crowell, C.  
Educational Technology Education and Research  
Financial Training Resources Inc.  
\$13,000 12 months

## Proposals Submitted

In the period August 1, 1996, through August 31, 1996

### PROPOSALS FOR RESEARCH

## Aerospace and Mechanical Engineering

Batill, S., Renaud, J.  
Distributed Fabrication of Plastic Products  
National Science Foundation  
\$450,142 36 months

## Center for Applied Mathematics

Atassi, H.  
Hydrodynamics and Acoustics of Rotor Blades in  
Nonuniform  
Department of the Navy  
\$92,336 12 months

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Civil Engineering and Geological Sciences

Gray, W.  
Parallel Algorithms for Surface Water and Transport  
University of Texas  
\$67,246 24 months

## Chemical Engineering

Hill, D.  
Study of Particles Dispersions in Liquid Crystal  
Polymers  
National Science Foundation  
\$311,027 36 months

Leighton, D.  
Binary Oscillatory Crossflow Electrophoresis  
National Aeronautics and Space Administration  
\$458,549 48 months

## Chemistry and Biochemistry

Hartland, G.  
Ultrafast IR Spectroscopy of Semiconductor Clusters  
Research Corporation  
\$50,000 12 months  
Alfred P. Sloan Foundation Fellowship  
Sloan Foundation  
\$35,000 24 months

Basu, M.  
Mammalian Ceramide Glycanase and its Hormonal  
Regulation  
Mizutani Foundation — Glycoscience  
\$125,153 24 months

## Electrical Engineering

Huang, Y.  
Concatenative Speech Synthesis Using Multiple Pitch  
Recordings  
National Science Foundation  
\$155,565 36 months

## Government and International Studies

Saiz, M., Radcliff, B.  
Is Democracy Color Blind?  
National Science Foundation  
\$291,086 36 months

## History

Turner, J.  
Faculty Seminar on Religion and Higher Education  
Lilly Endowment, Inc.  
\$784,450 36 months

## Institute for International Peace Studies

Väyrynen, R., Moe, T., et al.  
Military Partnership/Conflict Resolution: Same/  
Different Aims?  
National Council on Soviet/Eastern Europe  
\$79,576 10 months

## Physics

Schiffer, P.  
Geometrically Frustrated Magnets as Model Systems  
Department of the Army  
\$150,000 36 months  
Aprahamian, A.  
Lifetime Measurements using the GRID Technique  
North Atlantic Treaty Organization  
\$26,880 36 months

## Sociology

Sullivan, P.  
Labor Ministers/Priests  
National Science Foundation  
\$104,621 12 months

## Theology

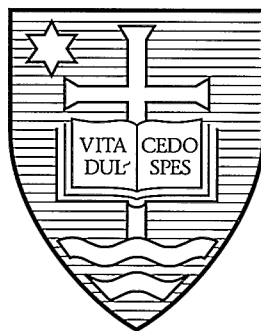
Ulrich, E., VanderKam, J.  
The Publication of Four Volumes of Dead Sea Scrolls  
National Endowment for the Humanities  
\$303,800 24 months

## PROPOSALS FOR FACILITIES AND EQUIPMENT

## Computer Science and Engineering

Kogge, P., Cohn, D.  
Parallel Processing Software Research Facility  
National Science Foundation  
\$121,320 36 months





# NOTRE DAME REPORT

---

Volume 26, Number 3

September 27, 1996

**Notre Dame Report (USPS 707-080)** is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Office of the Provost. Periodical 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  
Erin Gallavan, Publication Assistant  
Gerard Jacobitz, Indexer  
Publications and Graphic Services  
415 Main Building  
Notre Dame, IN 46556  
(219) 631-5337  
e-mail: Diltz.1@nd.edu

© 1996 by the University of Notre Dame, Notre Dame, IN 46556. All rights reserved.

