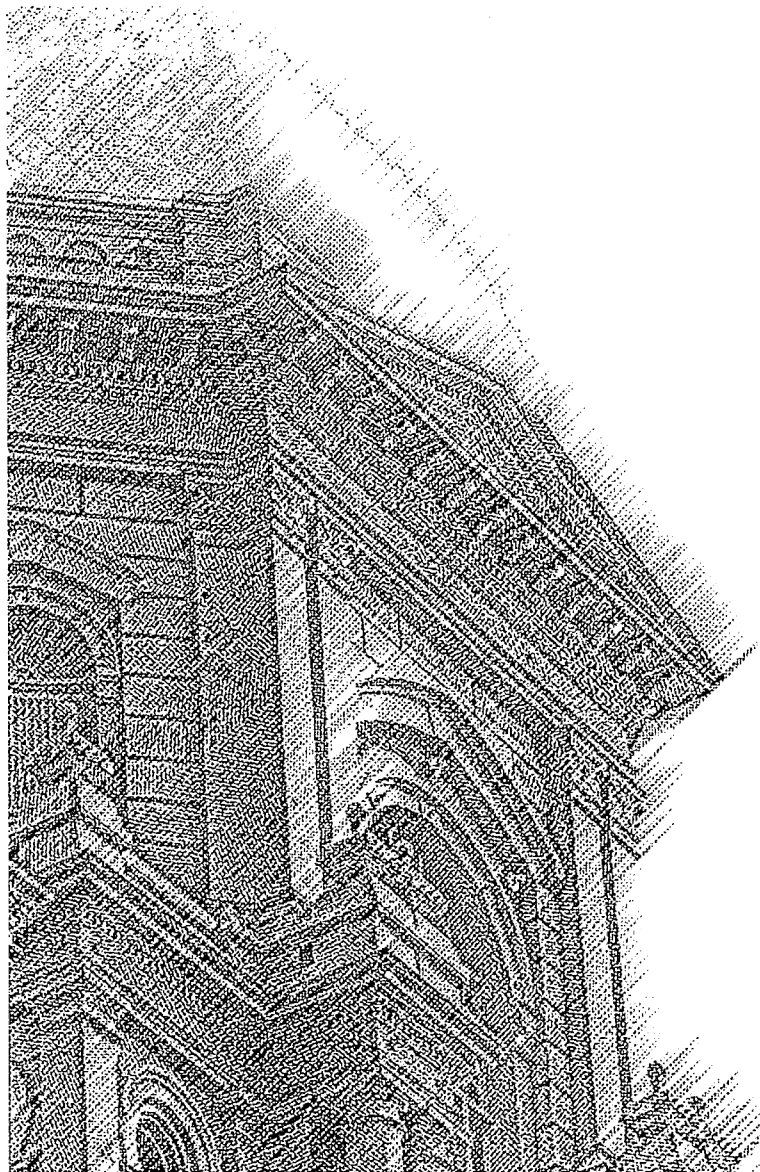


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N U M B E R 5

The University

Lilly Grant to Fund Catholic Studies

Notre Dame has received a grant of \$683,080 from Lilly Endowment, Inc., to launch a research project on changes in American Catholic life during the 20th century.

Entitled "Studies in Twentieth Century American Catholicism," the project will be administered by the Cushwa Center for the Study of American Catholicism. The study will focus on Catholic leadership, institutions, and religious identity during a period from 1920 to 1965, when Euro-American Catholics entered the economic and religious mainstream of the United States, and, later, from 1965 to 1995, as a new wave of Hispanic and Asian immigrants transformed the social composition of the U.S. church and posed new challenges to its pastoral leadership. Specifically, historians will examine the ways in which interaction with other Americans and American institutions shaped American Catholic identity, and how American Catholics contributed, in turn, to the political, cultural, and social life of the nation by working in various coalitions with one another and with non-Catholic Americans.

In describing the project, R. Scott Appleby, director of the Cushwa Center, listed four separate but interrelated programs of historical and theological research which will examine the public presence of Catholic leaders and institutions in the intellectual, social, institutional and cultural life of the United States; the changing roles of Catholic women in the education and formation of Catholics in pastoral leadership and professional life; the relationships among Catholic devotional practices, ethnic identity, pastoral leadership and institutional loyalty and the transformation of Catholic pastoral ministry and lay spiritual formation after the Second Vatican Council.

Appleby estimates that the project will result in the publication of numerous articles in scholarly and pastoral periodicals and some 15 books, including a textbook on 20th-century American

Catholicism for use in college and seminary courses. He also hopes it will engender several doctoral dissertations in history and theology and give rise to a new generation of Catholic studies.

The Lilly Endowment's grant is a component of Notre Dame's \$767 million Generations campaign.

Minority Engineering Program Develops Middle School Program

More than 80 middle school students from South Bend have enrolled in a new, high-tech program developed by the Minority Engineering Program at Notre Dame that will introduce them to engineering and related fields.

The Ameritech Pre-College Minority Engineering Program provides hands-on experience with projects and experiments, study skills, writing and other activities. It originates from a specially equipped classroom in DeBartolo Hall. A two-way videoconferencing system allows program participants and middle and high school teachers at three sites in South Bend — Washington, Adams and Riley High Schools — to engage in live interaction with Notre Dame faculty and minority graduate and undergraduate students on campus.

The pre-college engineering program is open to African-, Native-, Hispanic- or Asian-American middle school students who have scored 65 percent or higher on their ISTEP examination and have at least a B average.

Videoconferencing equipment for the program has been funded by an \$83,000 distance learning grant from the Corporation for Educational Communications, a not-for-profit organization established by Ameritech. The program is being administered by the Minority Engineering Program. Established in 1987, the program is designed to attract, support and retain minority students working toward engineering degrees.

Music Microfilms Acquired

Acquisition of a major microfilm collection of more than 10,000 music manuscripts by the Hesburgh Library places Notre Dame in the company of just 15 to 20 elite universities and schools of music that own the collection.

The voluminous, two-set collection includes manuscripts from libraries and special collections throughout Great Britain.

The first set of microfilms, "Music Manuscripts from the Great English Collections," is 906 reels of manuscripts from the collections of the Bodleian Library, Oxford; St. Michael's College, Tenbury; Christ Church, Oxford; the Music Collection of the British Library in London; the Music Collection of the Royal College of Music in London; the six music libraries at Cambridge University; the Royal Academy of Music in London; the Gerald Cooke Handel Collection; and the Music Collection of St. George's Chapel, Windsor.

Included among the manuscripts are compositions by Purcell, Locke, Gibbons, Blow and Taverner, as well as non-British materials acquired by some of the major manuscript collectors. Compositions by Corelli, Vivaldi, Haydn, Mozart, Beethoven, Schubert, Mendelssohn, Saint-Saëns and many others are included in the collection, as are 90 percent of the extant Handel manuscripts.

The second set of microfilms, "Italian Music Manuscripts c.1640-c.1820," is a specialized collection of manuscripts from the British Library in London. It includes Italian operas, monodies, songs, choral music, chamber music, symphonic works, and many other genres, both sacred and secular, from the 17th to 19th centuries.

Scholarship for Students with Disabilities Dedicated

A new scholarship for Notre Dame students with disabilities was dedicated with a Mass Sept. 20 in the Office for Students with Disabilities in Badin Hall.

The scholarship has been established with a gift from Michael Black of Fort Wayne, Ind., in memory of his late wife, Mary. The first two recipients of the Mary Black Family Foundation scholarships are Meaghan McCarthy, a freshman from North Falmouth, Mass., and Jamie Przybysz, a junior from Niles, Mich.

Committee on Gay and Lesbian Student Needs Announced

Sister Sue Bruno, O.S.F., rector of Pasquerilla West, is serving as chair of the Standing Committee on Gay and Lesbian Student Needs for the 1997-98 academic year.

The committee also includes Katharine S. Barrett, director of religious education and R.C.I.A. in campus ministry; Rev. David Burrell, C.S.C., Hesburgh professor of theology and philosophy; undergraduate students Robert Dorton, Alyssa Hellrung and Karen Uhlmeier; and Rev. Richard V. Warner, C.S.C., director of campus ministry and counselor to the president.

Beginning its second year, the committee was established by Patricia O'Hara, vice president for student affairs, in agreement with a recommendation of the Ad Hoc Committee on Gay and Lesbian Student Needs, which made the recommendation in its February 1996 final report. The committee is intended to serve as a resource to O'Hara in identifying needs of gay and lesbian students, continuing the dialogue initiated by the ad hoc committee, and assisting in the implementation of campuswide educational programming on gay and lesbian issues.

Warren Golf Course Receives Final Permit

Notre Dame has received the final permit necessary for construction of its new golf course. The U.S. Army Corps of Engineers issued the permit, joining the Indiana Department of Natural Resources and the Indiana Department of Environmental Management in approving the project.

The new golf course is being underwritten with a gift from the William K. Warren Foundation of Tulsa, Okla., whose board chairman, William K. Warren Jr., is a 1956 Notre Dame alumnus. The course will be named the William K. and Natalie O. Warren Golf Course, in honor of William Warren Jr.'s parents. William K. Warren Sr. was the recipient of an Honorary Doctorate of Laws from Notre Dame in 1956. Warren Sr. also served from 1949 to 1986 on the advisory council for the College of Commerce, which in 1961 was renamed the College of Business Administration. Continuing that tradition, Warren Jr. has been a member of the college's advisory council since 1987.

The \$7-million project includes \$500,000 for improvements to and monitoring of Juday Creek. Some 4,400 native hardwood trees and shrubs, including a number of oaks, are being planted to increase the stream's canopy cover by as much as two-thirds within 10 to 15 years; approximately 360 large boulders, along with gravel and logs, are being added to the stream's slopes and bed to enhance fish habitat; a permanent sediment trap is being installed to capture excess sedimentation; a combination of pest management, drainage, and filtration techniques are being employed to minimize the use and impact of fertilizers and pesticides; and 2,200 feet of new shaded stream course are being created to relocate the stream from the golf course proper.

Faculty Notes

Honors

Theodore Cachey, associate professor of Romance languages and literatures, was appointed to the Comitato Scientifico of the Italian national television corporation's (RAI) "Progetto Italica: A Virtual Campus of Italian Language and Culture." He was appointed to the editorial board of *Italica*, the journal of the American Association of Teachers of Italian, and to the editorial board of *Italian Studies*, the journal of the American Association for Italian Studies.

Hsueh-Chia Chang, professor of chemical engineering, was named a fellow of the American Physical Society.

Frederick Crosson, professor in the Program of Liberal Studies, was elected national president of Phi Beta Kappa during the academic society's 38th triennial council in Chicago, Ill., Sept. 24-28. Founded in 1776, Phi Beta Kappa is the nation's oldest academic honor society. Its mission is to foster and recognize excellence in liberal arts and sciences.

Seamus Deane, professor of English and Keough professor of Irish studies, is the first person to receive both the International Fiction Prize and the Irish Literature Prize for Fiction awarded by the *Irish Times* for his first novel *Reading in the Dark*. He has received the Guardian Prize for Fiction and was the second choice for last year's Booker Prize, the British equivalent of the Pulitzer.

Michael Detlefson, professor of philosophy, was selected to the program committee of the Association of Symbolic Logic for the winter 1998 meeting. He was selected to the program committee of the American Philosophical Association 1998 Central Division meetings.

Dennis P. Doordan, associate professor of architecture, was named the Niereneberg Visiting Distinguished Professor of Design in the Department of Design at Carnegie Mellon University for the spring semester 1997.

Gregory E. Dowd, associate professor of history, received the 1997 Arrell M. Gibson Award from the Western History Association for his essay "The Panic of 1751: The Significance of Rumors on the South Carolina-Cherokee Frontier" published in the *William and Mary Quarterly* in 1996.

Keith J. Egan, adjunct professor of theology, has been named the Joyce McMahon Hank Aquinas Chair of Catholic Theology at Saint Mary's College in Notre Dame, Ind.

Don Howard, professor of philosophy, has been named chair of the program committee for the 1998 biennial meeting of the Philosophy of Science Association in Kansas City, Mo., Oct. 1998.

Pamela A. Krauser, associate professional specialist in the Graduate School, was appointed to a second term as chair of the Electronic Research Administration Committee of the Society of Research Administrators.

Rev. Robert A. Krieg, C.S.C., professor of theology, was re-elected to a three-year term on the board of trustees of Stonehill College in North Easton, Mass. He was invited to serve a two-year term on the officers' nomination committee of the Catholic Theological Society of America.

Scott Mainwaring, Conley professor of government and international studies, has been appointed chair of the Gregory Luebbert Prize Committee of the Comparative Politics section of the American Political Science Association. He has been appointed to the screening committee for the International Dissertation Field Research Fellowships of the Social Science Research Council and the American Council of Learned Societies.

John Matthias, professor of English, has been appointed editor of *Twentieth-Century English Poetry Volume of the Annotated Biography for English Studies*, a database published both on CD and the World Wide Web.

John E. Renaud, assistant professor of aerospace and mechanical engineering, was elected chair of the American Institute of Aeronautics and Astronautics Multidisciplinary Design Optimization Technical Committee for the term 1998-2000.

Juan M. Rivera, associate professor of accountancy, has been elected chair of the advisory board of the International Accounting Section of the AAA at its meeting in Dallas, Tex.

Rev. Oliver F. Williams, C.S.C., associate professor of management, was elected chairman of the American board of the United States-South Africa Leadership Development Program, an association of concerned South Africans and Americans dedicated to the development of leadership in South Africa and the promotion of a just society.

Activities

Panos J. Antsaklis, professor of electrical engineering, delivered the opening remarks at the IEEE Conference on Control Applications in Hartford, Conn., Oct. 5-7. He gave three invited talks on topics in the areas of Hybrid Systems and of Supervisory Control of Discrete Event Systems at the Division of Engineering and LEMS at Brown University in Providence, R.I., Oct. 7; at the Department of Manufacturing Engineering at Boston University in Boston, Mass., Oct. 8; and at the Department of Electrical and Computer Engineering at Northeastern University in Boston, Mass., Oct. 9.

Doris Bergen, assistant professor of history, gave the talk "Old Testament, New Hatreds? The Hebrew Bible and Antisemitism in Nazi Germany" at the 10th annual Klutznick Symposium in Jewish Studies at Creighton University in Omaha, Nebr., Sept. 15. She presented "Perpetrators, Victims, Bystanders, Rescuers: The Churches and the Holocaust" sponsored by the Judaic Studies program at the University of Nebraska in Lincoln, Nebr., Sept. 16. She was a guest on the radio program "Talking History" with Bryan LeBeau at KIOS in Council Bluffs, Nebr., Oct.

Ikaros Bigi, professor of physics, acted as convener at the third BaBar Physics Workshop in Orsay, France, June 16-19. He presented the seminar "High Energy Physics" at the University of Hamburg in Hamburg, Germany, June 23. He gave the invited lecture "The Brown Muck of Beauty — The Beauty of the Brown Muck" at the symposium titled Twenty Beautiful Years of Bottom Physics at the Illinois Institute of Technology in Chicago, Ill., June 29-July 2. He acted as director and lecturer at the course "Heavy Quark Physics — Probing Nature's Grand Design" at the International School of Physics 'Enrico Fermi' in Varenna, Italy, July 8-18.

Theodore Cachey, associate professor of Romance languages and literatures, gave the invited lecture "Petrarch and Travel" to the Department of Romance Languages at the University of Pennsylvania in Philadelphia, Pa., March 5. He gave the invited series of five lectures "Dante's *Inferno*: Instructions for Use" to the Department of Italian at McGill University in Montreal, Canada, May 12-16. He gave the invited lecture "Italian Baroque and Enlightenment Travel" at the Department of Romance Languages at the University of Chicago in Chicago, Ill., May 29.

Carolyn M. Callahan, associate professor of accountancy, presented the papers "Accounting Information and Bid-Ask Spreads" co-authored with Charles M.C. Lee and Teri Lombardi Yohn, "Earnings Predictability, Information Asymmetry, and Market Liquidity" co-authored with **John Affleck-Graves**, professor of finance and business economics, and Niranjana Chipalkatti, and "Product Market Forces and the Benefit of More Accurate Product Cost Information: An Experimental Investigation" co-authored with **E. Ann Gabriel**, assistant professor of accountancy, at the Portland-Vancouver Accounting Research Colloquium in Portland, Oreg., June 23.

Hsueh-Chia Chang, professor of chemical engineering, gave the keynote lecture at the 13th international congress of Chemical and Process Engineering CHISA '98, Aug.

Daniel J. Costello Jr., professor and chairman of electrical engineering, gave the talk "On the Weight Distribution of Some Turbo-like Codes" at the Festschrift on Codes, Curves, and Signals: Common Threads in Communication at the University of Illinois in Urbana-Champaign, Ill., Sept. 27-28. He co-authored a paper titled "On Deterministic Linear Interleavers for Turbo-Codes" with Oscar Y. Takeshita at the Allerton Conference on Communication, Control, and Computing at the University of Illinois in Urbana-Champaign, Ill., Sept. 29-Oct. 1.

Xavier Creary, Huisking professor of chemistry and biochemistry, presented the seminar "Reactive Intermediates Derived from Diazirines" to the Department of Chemistry at the College of the Holy Cross in Worcester, Mass., Sept. 26.

Norman Crowe, professor of architecture, participated in a project for the restoration and expansion of the historic urban center of the city of Sidon, Lebanon, which was conducted under the Prince of Wales' Projects Office in London and funded by the Hariri Foundation of Lebanon, Aug. 1-23.

Fred R. Dallmayr, Dee professor of government and international studies, presented the lecture "Justice and Global Democracy" at the Institute of Philosophy at the University of Vienna, Austria, June 17. He gave the talk "Cross-Cultural Encounter and the Hermeneutics of Difference" at a conference on Rhetoric, Politics, and Hermeneutics at the University of Heidelberg, Germany, in honor of Hans-Georg Gadamer, July 4-6. He presented the invited keynote address "Self-Other Hermeneutics" at the meeting of the International Association of Asian Philosophers at Hsi Lai University in Los Angeles, Calif., Aug. 15-17. He presented the paper "Confucianism and Humanism" at the world congress of the International Political Science Association in Seoul, Korea, Aug. 20. He presented the paper "Liberation Theologies: New Voices from Buddhism and Islam" at the annual meeting of the American Political Science Association in Washington, D.C., Aug. 31. He presented the paper

"Globalization: Curse or Promise?" at the conference on Civilizational Dialogue: Present Realities, Future Possibilities at the Centre for Civilizational Dialogue at the University of Malaya in Kuala Lumpur, Malaysia, Sept. 15-17.

Roberto DaMatta, Joyce professor of anthropology, presented the paper "The Meaning of Documents in Brazilian Society: For an Ethnography of the State" to the Brazil Columbia Seminar at Columbia University in New York, N.Y., Oct. 10.

Michael Detlefsen, professor of philosophy, gave an invited lecture at the Language, Minds and Machines conference in Palermo, Sicily, Aug. 27-Sept. 2.

Dennis P. Doordan, associate professor of architecture, gave the invited lecture "Nature on Display: Contemporary Aquaria Design" at Chatham College in Pittsburgh, Pa., March 5. He delivered the paper "Political Design in Fascist Italy and National Socialist Germany" at the Designing Modernity Symposium sponsored by the Department of Design at Carnegie Mellon University in connection with the exhibition *Designing the Modern World 1885-1945: The Arts of Reform and Persuasion* at the Carnegie Museum of Art in Pittsburgh, Pa., March 14-15.

Michael S. Driscoll, assistant professor of theology, gave the invited lecture "The Church Makes the Eucharist and the Eucharist Makes the Church: Ecclesiological Dimensions of the Eucharist and Ongoing Liturgical Renewal" in an education series at historic St. Peter Church in Cleveland, Ohio, Sept. 18.

Richard Economakis, assistant professor of architecture, co-organized the School of Architecture Summer Program in Nauplion, Greece, with **Michael Lykoudis**, associate professor of architecture, June 29-Aug. 10. They delivered slides and a summary of the program to representatives of the Athens mayors' office and the Greek Ministry of Culture.

Richard W. Fessenden, associate director of the Radiation Laboratory, presented "Behavior of Hydrated Electron in Reactions with Oxidizing Radicals" co-authored with Taketoshi Ichino at the 214th ACS national meeting in Las Vegas, Nev., Sept. 7-11.

Alejandro García, assistant professor of physics, gave the invited seminar "Experimental Searches for Scalar Contributions to the Weak Interaction" at N.I.S.T. in Gaithersburg, Md., May 15. He gave the invited talk "Search for Scalar Interactions using β -delayed Particle Emission" at the workshop on the Science for an Advances ISOL Facility in Columbus, Ohio, July 30-Aug. 1. He gave the invited talk "Weak Interactions at Fragmentation Facilities" at the workshop for Future Experiments and Detectors for Nuclear Structure and Astrophysics at the upgraded NSCL in East Lansing, Mich., Aug. 8-9.

Umesh Garg, professor of physics, gave the invited talk "Description of Superdeformed Bands in Terms of Incremental Alignment: A New Empirical Tool in Superdeformation Studies" at the international conference on Nuclear Structure and Related Topics in Dubna, Russia, Sept. 9-13. He gave the seminar talk "Incremental Alignment: A New Empirical Tool in Superdeformation Studies" at the A.I. Ioffe Institute of the Russian Academy of Sciences in St. Petersburg, Russia, Sept. 17. He presented "Description of Superdeformed Bands in Terms of Incremental Alignment and Predictions of New Superdeformed Bands in the A = 150 Region" to the physics department at the University of Helsinki in Helsinki, Finland, Sept. 19. He gave the talk "The Isoscalar Giant Dipole Resonance" at the Institute für Kernphysik at Münster University in Münster, Germany, Sept. 24.

John H. Garvey, professor of law, gave the invited lecture "What Are Freedoms For?" to faculties and students from South Texas Law School, Rice University and St. Thomas University in Houston, Tex., Sept. 3.

James A. Glazier, associate professor of physics, gave the invited seminars "How Cells Know Where to Go" and "Three Dimensional Liquid Forms" to the Department of Physics at the Universidade Federal do Rio Grande do Sul in Poito Alegre, Brazil, Sept. 25-26. He presented "First Steps Towards a Comprehensive Model of Tissues" at the fifth Latin American workshop on Nonlinear Phenomena in Canela, Brazil, Oct. 2.

Philip Gleason, professor emeritus of history, lectured on "Where Are We Coming From?" at the academic year opening exercises at Dominican University in River Forest, Ill., Aug. 28.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, presented "Pulse Radiolysis on Water-Soluble Fullerene Cluster and Capped Fullerenes" co-authored with **Klaus-Dieter Asmus**, director of the Radiation Research Laboratory and professor of chemistry and biochemistry, at the 214th ACS national meeting in Las Vegas, Nev., Sept. 7-11.

Jimmy Gurulé, professor of law, was invited to the White House to a briefing on issues of importance to Hispanics given by top Clinton Administration officials to leaders of the national Hispanic legal community, Sept. 23. He served as part of a four-member team that conducted workshops on public corruption and organized crime in Armenia, Oct. 5-10.

Peaches M. Henry, assistant professor of English, gave the invited talk "Racist Masterpiece?: The Paradox of Huckleberry Finn in the Twenty-first Century" at Goshen College in Goshen, Ind., May 8.

Sr. Mary Catherine Hilkert, O.P., associate professor of theology, delivered the keynote address "The Passion of God: Preaching and the Power of the Spirit" and presented the workshop "The Passion of God and the Passion of the World: Preaching in a Suffering World" at the meeting of the Catholic Coalition on Preaching in Cincinnati, Ohio, Sept. 23.

William P. Hoye, associate vice president and counsel and concurrent associate professor of law, and **Robert M. Zerr**, director of Risk Management and Safety, were awarded a grant by United Educators Insurance Risk Retention Group to examine the general liability risks associated with the operation of international study abroad programs by American Colleges and Universities. Hoye led a discussion on assessing and managing the risks arising out of the operation of international study abroad programs at the annual convention of the National Association of College and University Attorneys in Seattle, Wash., June. He spoke on that same topic to the national conference of the University Risk Management and Insurance Association in Chicago, Ill., Sept. 23.

Roger F. Jacobs, professor of law and associate dean of the Kresge Library, presented "Faculty Standards" at a seminar of deans, associate deans and other representatives of law schools anticipating American Bar Association accreditation visitations held in Indianapolis, Ind., Sept. 11.

Maxwell Johnson, associate professor of theology, gave the response to Richar J. Beauchesne's "Yves Cardinal Congar and Christian Worship (Life, Liturgy and Eucharist): Ecumenical Perspectives" and the response to Gerard Austin's "Identity of a Eucharistic Church in an Ecumenical Age" to the Catholic Theological Society of America in Minneapolis, Minn., June 6-7.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, gave the presentation "Photosensitization of Semiconductor Nanoclusters with Dyes. A Delicate Balance Between Forward and Back Electron Transfer at the Semiconductor Interface" co-authored with Di Liu at the 214th ACS national meeting in Las Vegas, Nev., Sept. 7-11. He presented papers titled "Photophysical and Redox Properties of Larger Fullerenes, C₇₆ and C₇₈" co-authored with **Dirk M. Guldi**, associate professional specialist in the Radiation Laboratory, and Di Liu, "Synthesis and Photophysical Properties of Fullero-pyrolidines and

Fullero-squaraines" co-authored with K. George Thomas, V. Biju, Suresh Das, M.V. George and Di Liu, "Photoelectrochemical Behavior of Composite Semiconductor Thin Films and their Sensitization with Ruthenium Polypyridyl Complex" co-authored with Chouhaid Nasr and Surat Hotchandani, and "Interparticle Electron Transfer in Au/CdS Composite Metal/Semiconductor Nanoclusters" co-authored with Bhairavi Shanghavi at the 192nd meeting of the Electrochemical Society in Paris, France, Aug. 31-Sept. 5.

Gyula Klima, associate professor of philosophy, presented the invited lecture "Natural Necessity and Eucharistic Theology in the Late 13th Century" at the meeting of TransCoop-Programm (Stiftung Deutsch-Amerikanisches Akademisches Konzil), Medieval Institute (Notre Dame), Thomas-Institut (Köln), After the Condemnations of 1277: The University of Paris in the Last Quarter of the Thirteenth Century, at the University of Notre Dame in Notre Dame, Ind., Oct. 10.

Julia F. Knight, professor of mathematics, gave the contributed talk "Control Theory, Modal Logic, and Games" in the workshop on Hybrid Systems V at the University of Notre Dame in Notre Dame, Ind., Sept.

Pamela A. Krauser, associate professional specialist in the Graduate School, led the session "The Electronic ERA: From Home Pages to Pilot Projects" at the Society of Research Administrators annual meeting in Atlanta, Ga., Oct. 5.

A. Eugene Livingston, professor of physics, presented the invited contribution "Atomic Structure of Highly Charged Ions" at the Department of Energy Workshop on Atomic, Molecular, and Optical Physics in Washington, D.C., Sept. 21-24.

John M. LoSecco, professor of physics, gave the invited talk "Vertexing Tools" at the fourth BaBar Physics Workshop at the Huntington Library and Art Gallery in San Marino, Calif., Sept. 23.

Michael Lykoudis, assistant chairperson and associate professor of architecture, led an urban design studio class with **Richard Economakis**, assistant professor of architecture, in Nauplion, Greece, June 29-Aug. 10. Lykoudis was invited to teach a six-week architectural design studio at the School of Architecture of the University of Miami. He delivered the lecture "Politics, Duty and the Architect" as part of that appointment, Sept. 17.

Scott Mainwaring, Conley professor of government and international studies, presented the paper "Federalism and Democracy in Contemporary Brazil" at the International Political Science Association meeting in Seoul, South Korea, Aug. 19. He served as commentator on a panel on democratic consolidation and presented the paper "Rethinking Party Systems Theory in the Third Wave of Democratization" at the annual meeting of the American Political Science Association in Washington, D.C., Aug. 28.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor of theology, presented "The Future of the Church: Looking Toward the Next Millennium" at the Call to Action New Jersey Conference at Rutgers University in Piscataway, N.J., June 7. He appeared on the segments "Are Annulments Catholic Divorces?" and "Is Pope John Paul II a Disappointment?" on the PBS television program "Debates Debates," Aug.-Sept. He was interviewed by Scott Simon on National Public Radio regarding the possible canonization of Mother Teresa, Sept. 13. He was interviewed on the program "Talk of the Nation" by Ray Suarez on the pontificate of John Paul II on National Public Radio, Sept. 15.

James J. McKenna, professor of anthropology, gave the plenary speech "Cosleeping and SIDS" at the State of New Jersey annual SIDS meeting, April 3. He presented "Cosleeping and SIDS: An Evolutionary Perspective" at the Oregon Research Institute in Eugene, Ore., April 25. He lectured on SIDS and Cosleeping: An Experiment in Evolutionary Medicine" at a special symposium of the Human Biology

Association in St. Louis, Mo. He presented the lecture "The All American Infant is at Odds with its Evolution: Culture and Biology in Conflict" at the Los Angeles Library special anniversary series on Thinking on the Threshold of the 21st Century, May 7. McKenna presented "Mother-Infant Interactions and Physiologic Consequences" at the 13th annual Neonatal Medicine Symposium at the Department of Clinical Sciences at the Kaiser Permanente of Southern California in Pasadena, Calif., May 16. He presented "Cosleeping and SIDS: What is the Connection?" and gave a cosleeping and breast feeding clinic at the Grand Rounds Primary Children's Hospital in Salt Lake City, Utah, May 22-23. He gave the plenary address "Cosleeping and SIDS" at the annual meeting of the National Academy of Behavioral Medicine in Tucson, Ariz., June 6. He presented "Mother-Infant Interactions and Developmental Studies on Infant Mortality and Morbidity" at the Department of Child Health at the University of Bristol, United Kingdom, June 18. He presented "Review of Bedsharing and Its Role in Modifying SIDS Risk Factors" at Babes in Arms, the Developmental Physiology Conference Husbands Borough, United Kingdom, June 19-29.

Rev. John Allyn Melloh, S.M., coordinator of the Marten Program in Homiletics and Liturgics and professional specialist in theology, presented a workshop on "The Art of Preaching and Contemporary Exegetical and Homiletic Methods" for the bishop and priests of the Las Vegas Diocese at the Catholic Center in Las Vegas, Nev., Sept. 12. He presented the keynote address "The Reform Accomplished, the Renewal Awaited" at the second annual Liturgical Ministries Conference in Las Vegas, Nev., Sept. 12-13. He served as the resource person for the "Professional Day" sponsored by the Office of Worship and the Office of Religious Education for the Diocese of Memphis at the Pastoral Center in Memphis, Tenn., Sept. 19. He presented a workshop on "Lay Liturgical Ministries: Why Do We Do What We Do?" at Bishop Byrne Diocesan High School in Memphis, Tenn., Sept. 20.

He gave a workshop on "Method as Friend" at the National Catholic Coalition on Preaching in Cincinnati, Ohio, Sept. 22-23.

Ali Mohammad-Djafari, visiting associate professor of electrical engineering, gave an invited talk titled "A Bayesian Framework for Nonlinear Diffraction Tomography" co-authored with Herve Carfantan at the IEEE workshop on Nonlinear Signal and Image Processing on Mackinac Island, Mich., Sept. 8-10.

Peter Moody Jr., professor of government and international studies, presented the paper "Conservatism as a Theme in Contemporary Chinese Political Thought" at the 17th world congress of the International Political Science Association in Seoul, Korea, Aug. 17-21. He gave the invited lecture "Chinese-American Relations and Korean Unification" at the Institute of World Diplomacy in Seoul, Korea, Aug. 18. He presented the papers "Ambiguity and the Making of U.S. Policy on Taiwan" and "Scholastic Philosophy as a Theme in Contemporary Chinese Thought" at the annual meeting of the American Political Science Association in Washington, D.C., Aug. 28-31.

Teresa Godwin Phelps, professor of law, presented a workshop for staff attorneys at the United States Court of Appeals for the Seventh Circuit in Chicago, Ill., Sept. 12.

Simon M. Pimblott, associate professional specialist in the Radiation Laboratory, gave the presentation "Chemical Consequences of Track Structure in Low-LET Radiolysis" and presided in the session Radiation Chemistry Applications at the 214th ACS meeting in Las Vegas, Nev., Sept. 7-11. He lectured on "Simulation of the Effects of Track Structure in the Radiolysis of Water, Aqueous Systems and DNA" at PULS '97 in Poland, Sept. 13-19.

Alvin Plantinga, O'Brien professor of philosophy, gave the lecture "An Evolutionary Argument Against Naturalism" at Virginia Commonwealth University in Richmond, Va., Sept. 22.

Wolfgang Porod, professor of electrical engineering, gave the talk "Modeling Quantum-Dot Cellular Automata Devices and Architectures" at the second NASA Device Modeling workshop at the NASA Ames Research Center, Aug. 7-8.

John E. Renaud, assistant professor of aerospace and mechanical engineering, and his graduate students Jose Rodriguez and Ravindra Tappeta presented the papers "Trust Region Augmented Lagrangian Methods for Sequential Response Surface Approximation and Optimization" and "Multiobjective Collaborative Optimization" at the 1997 ASME Design Engineering Technical Conferences in Sacramento, Calif., Sept. 14-17.

Terrence W. Rettig, associate professor of physics, presented the paper "Tidal Disruption of Strengthless Rubble Piles — A Timescale Analysis" co-authored with J.M. Hahn at the 1997 American Astronomical Society meeting at the Massachusetts Institute of Technology in Cambridge, Mass., July 28-Aug. 1. He was a guest observer at the WIYN 3.5-meter telescope on Kitt Peak Observatory in Tucson, Ariz., Aug. 31-Sept. 3. The observing time was granted to obtain the first optical spectra of the early solar system Kuiper Belt object 1996 TP66.

Juan M. Rivera, associate professor of accountancy, was the keynote speaker at the first graduation class of the Master's in International Accounting and Finance of the University of Zaragoza in Zaragoza, Spain, July 10. He was the keynote speaker at the closing banquet of the fourth conference of African-American, Hispanic-American and Native American Doctoral Student Association in Dallas, Tex., Aug. 17. He presented a paper on "Accounting for State and City Governments in the U.S." at the first seminar on Accounting for the Public Sector at the School of Public Administration of the University of Catalunya in Barcelona, Spain, July 15.

Mark W. Roche, O'Shaughnessy dean and Joyce professor of German language and literature, presented the paper "Subjectivity and Negativity in Hegel's Theory of Comedy" at the annual meeting of the German Studies Association in Washington, D.C., Sept. 28. He presented the paper "Religion in an Uncanny World" at the conference on Locations of Culture at Michigan State University in East Lansing, Mich., Oct. 9.

Ellen D. Rogers, associate professional specialist in the Graduate School, served as a member of the planning committee for the 1997 annual meeting of the Society of Research Administrators in Atlanta, Ga., Oct. 3-7.

Jonathan Sapirstein, professor of physics, gave the seminar "Fourth-Order Self-Energy Corrections to the Lamb Shift" at the National Institute of Standards and Technology in Gaithersburg, Md., Sept. 2. He gave the seminar "Calculation of Parity Nonconserving Transitions in Atomic Cesium" at Brookhaven National Laboratory in Upton, N.Y., Oct. 8.

Ken Sauer, associate professor of electrical engineering, presented the invited paper "Statistical Methods in Discrete Tomography for Radiographic Nondestructive Evaluation" at the Discrete Tomography Workshop sponsored by the National Science Foundation and the Hungarian Academy of Sciences in Szeged, Hungary, Aug. 24-27. He presented the paper "Nonlinear Backprojection for Tomographic Image Reconstruction" and co-organized a special session titled "Nonlinear Methods for Inverse Problems" at the IEEE workshop on Nonlinear Signal and Image Processing on Mackinac Island, Mich., Sept. 8-10.

Mark R. Schurr, assistant professor of anthropology, presented the talk "Goodall Archaeology: The Startling 1997 Season" at the Friends of the Middle Woodland Period conference at Grand Valley State University in Allendale, Mich., Sept. 6. He gave the lecture "Twenty-First Century Technology at a Nineteenth Century Site:

Geophysical Investigations at Ben-Ak Village" at the Focal Day in celebration of the State of Indiana's Archaeology Week in Indianapolis, Ind., Sept. 21.

James H. Seckinger, professor of law, served as a faculty member and gave a lecture on effective teaching techniques at the NITA Teacher Training Program at the Harvard Law School in Cambridge, Mass., March 21-23. He served as program director and faculty member and gave a series of lectures on deposition techniques at the Altheimer and Gray Deposition Skills Program in Chicago, Ill., April 3-5; and at the Pennie and Edmonds Deposition Skills Program in New York, N.Y., April 18-20. He served as a faculty member and lectured on effective teaching techniques for the Ontario Center for Advocacy Teaching Teacher Training Program at the University of Toronto, Canada, April 25-26; and gave a lecture on expert testimony at that center, June 4-7. Seckinger was the program director and faculty member and gave a series of lectures on trial advocacy techniques at the Skadden Arps Slate Meagher and Flom Trial Advocacy Skills Program in New York, N.Y., April 30-May 2. He served as program director and faculty member and gave a series of lectures on deposition techniques for the Fish and Neave Deposition Skills Program in New York, N.Y., June 12-14. He was a faculty member for the NITA Teacher Training Program at the Notre Dame Law School, Notre Dame, Ind., June 19-21. He presented the paper "Impeachment and Rehabilitation of Witnesses" at the Canadian Intensive Trial Advocacy Workshop at York University, July 7. He served as program director and faculty member and gave a series of lectures on trial advocacy techniques at the Fish and Neave Trial Advocacy Skills Program in New York, N.Y., July 30-Aug. 2. He was the program director and faculty member and gave a series of lectures on trial and deposition techniques at the Litigation Skills Program for summer law students at Skadden Arps Slate Meagher and Flom in Chicago, Ill., Aug. 4-5.

Thomas L. Shaffer, Short professor emeritus of law, gave the sermon at the 47th annual Red Mass for lawyers at the University of St. Thomas in St. Paul, Minn., Sept. 28.

Dinah Shelton, professor of law, gave the lecture "The Right to Environment and Public Participation" at the Danube Environmental Law Program, sponsored by the Conference of Rectors of European Universities and the Commission of the European Communities, July 21.

Donald E. Sporleder, professor of architecture, chaired a meeting of the Hoosier Rails Trails Council Executive Committee held in Indianapolis, Ind., Sept. 4.

John W. Stamper, director of the School of Architecture Rome Studies Program and associate professor of architecture, gave the lecture "Schinkel and the New Classicists" at the Prince of Wales Institute Urban Task Force in Berlin, Germany, Sept. 6.

J. Kerry Thomas, Nieuwland professor of chemistry and biochemistry, gave the invited talk "Ion Capture by Pools Confined in Zeolites" at the Radiation Chemistry Symposium of the American Chemical Society in Las Vegas, Nev., Sept. 6-11.

G.N.R. Tripathi, professional specialist in the Radiation Laboratory, **Ian C. Carmichael**, associate professional specialist in the Radiation Laboratory, and **Klaus-Dieter Asmus**, director of the Radiation Research Laboratory and professor of chemistry and biochemistry, co-authored the paper "Structural Investigations on Sulfur-Centered Radical Intermediates" which was presented by graduate student Thomas Tobien at the 214th ACS national meeting in Las Vegas, Nev., Sept. 7-11.

Eugene Ulrich, professor of theology, gave the lecture "The Qumran Scrolls and the Biblical Text" at the international congress on the Dead Sea Scrolls at the Israel Museum in Jerusalem, July 21. He gave the talk "The Dead Sea Scrolls and Their Implications for an Edition of the Septuagint Psalter" at

the Symposium über den Septuaginta-Psalter und seine Tochterübersetzungen at the University of Göttingen, July 23-26. He gave the principal lecture "The Scriptures at the Time of Christ and the Qumran Bible" at the annual meeting of the Catholic Biblical Association in Seattle, Wash., Aug. 11. He presented the lecture "La Biblia copiada e interpretada en Qumran" and participated in a roundtable discussion during the course "The Dead Sea Scrolls: Pagans, Jews, and Christians" at the Universidad Internacional Menéndez Pelayo in Santander, Spain, Aug. 18-22.

Robert Wegs, professor of history, presented the paper "Youth Crime in Austria, 1880-1914: The Image and the Reality" at the 21st annual German Studies Association meeting in Washington, D.C., Sept. 26-28.

Rev. Reginald Whitt, O.P., associate professor of law, presented "The Catholic Lawyer: It's Not an Oxymoron" to the Guild of Catholic Members of the Diocese of Norwich, Conn., Oct. 5. He gave the paper "Changes in Canon Law regarding Territorial and Personal Parishes: A Tale of Two Codes, and Then Some" at the symposium on the Parish as Social Institution: Past and Future sponsored by the South Bend parishes of Saint Hedwig and Saint Patrick and by the Institute of Church Life in America, Oct. 12.

Rev. Oliver F. Williams, C.S.C., associate professor of management, gave the talk "Global Codes of Business Conduct: Impact on Business Behavior, Teaching and Research" at the Academy of Management in Boston, Mass., Aug. 12. He moderated the Aspen Institute Executive Seminar in Aspen, Colo., Sept. 6-13.

Publications

Ani Aprahamian, associate professor of physics, co-authored "Study of Excited States in ^{208}Pb by Particle- γ Coincidences with the $^{207}\text{Pb}(d,p)^{208}\text{Pb}$ and $^{209}\text{Bi}(t,\alpha)^{208}\text{Pb}$ Reactions" with M. Schramm, et al., published in *Physical Review C*, vol. 56, no. 3, Sept. 1997, pages 1320-1337.

Matthew J. Barrett, associate professor of law, co-authored *Materials on Accounting for Lawyers (second ed.)* with David R. Herwitz, Westbury, N.Y.: The Foundation Press, Inc., 1997, xxxi + 785 pages. He co-authored *Teacher's Manual for Materials on Accounting for Lawyers (second ed.)* with David R. Herwitz, Westbury, N.Y.: The Foundation Press, Inc., 1997, xvi + 347 pages.

David P. Bennett, assistant professor of physics, co-authored "The MACHO Project Large Magellanic Cloud Microlensing Results from the First Two Years and the Nature of the Galactic Dark Halo" with C. Alcock, et al., published in *The Astrophysical Journal*, vol. 486, Sept. 10, 1997, pages 697-726. Bennett and **Sun Hong Rhie**, research assistant professor of physics, wrote "Detecting Earth-Mass Planets with Gravitational Microlensing" published in *The Astrophysical Journal*, vol. 472, Dec. 1, 1996, pages 660-664. He co-authored "The MACHO Project LMC Variable Star Inventory. V. Classification and Orbits of 611 Eclipsing Binary Stars" with Alcock, et al., in *The Astronomical Journal*, vol. 114, July 1997, page 326. He co-authored "The MACHO Project Large Magellanic Cloud Variable Star Inventory. III. Multimode RR Lyrae Stars, Distance to the Large Magellanic Cloud, and the Age of the Oldest Stars" with Alcock, et al., published in *The Astronomical Journal*, vol. 482, June 1997, page 89. He co-authored "Optical Photometry of the Eclipsing Large Magellanic Cloud Supersoft Source CAL 87" with Alcock, et al., published in *Monthly Notices of the Royal Astronomical Society*, vol. 287, 1997, pages 699-704. Bennett co-authored "The X-ray Off-state of the Supersoft Source CAL 83 and its Interpretation" with Alcock, et al., published in *Monthly Notices of the Royal*

Astronomical Society, vol. 286, no. 2, April 1997, pages 483-486. He co-authored "MACHO Project Photometry of RR Lyrae Stars in the Sagittarius Dwarf Galaxy" with Alcock, et al., published in *The Astrophysical Journal*, vol. 474, Jan. 1, 1997, pages 217-222. He co-authored "The MACHO Project: 45 Candidate Microlensing Events from the First-Year Galactic Bulge Data" with Alcock, et al., published in *The Astrophysical Journal*, vol. 479, April 10, 1997, pages 119-146. He co-authored "The MACHO Project: Limits on Planetary Mass Dark Matter in the Galactic Halo from Gravitational Microlensing" with Alcock, et al., published in *The Astrophysical Journal*, vol. 471, Nov. 10, 1996, pages 774-782. He co-authored "The MACHO Project Large Magellanic Cloud Variable Star Inventory. IV. New R Coronae Borealis Stars" with Alcock, et al., published in *The Astrophysical Journal*, vol. 470, Oct. 10, 1996, pages 583-590.

Jacqueline Vaught Brogan, professor of English, wrote "It's Only Interesting the First Time: Or, Hemingway as Kierkegaard" published in *North Dakota Quarterly*, Special Issue on Hemingway, vol. 64, no. 3, 1997, pages 5-26. She wrote "From Warrior to Womanist: The Development of June Jordan's Poetry" published in *Speaking the Other Self: American Women Writers*, edited by Jeanne Campbell Reesman, Athens: University of Georgia Press, 1997, pages 198-209.

Neal M. Cason, professor of physics, **James M. Bishop**, research professor of physics, **John M. LoSecco**, professor of physics, and **William D. Shephard**, professor of physics, co-authored "Evidence for Exotic Meson Production in the Reaction $\pi\pi \rightarrow \eta\pi\pi$ " with D.R. Thompson, et al., published in *Physical Review Letters*, vol. 79, pages 1630-1633.

Danny Z. Chen, assistant professor of computer science and engineering, and **John J. Uhran Jr.**, professor of computer science and engineering and professor of electrical engineering, co-authored "A Framed-Quadtree Approach for Determining Euclidean Shortest Paths in a 2-D Environment" with R.J. Szczerba published in *IEEE*

Transactions on Robotics and Automation, vol. 13, no. 5, 1997, pages 668-681. Chen, Uhan and Szczerba wrote "Determining Optimal Paths, Based on Time and Distance Metric Combinations, in a Dynamic 2-D Environment" published in *Proceedings of the 1997 International Federation of Automatic Control (IFAC) on Control of Industrial Systems*, vol. 3, Belfort, France, 1997, pages 685-691.

Peter Cholak, McAndrews assistant professor of mathematics, and **Julia F. Knight**, professor of mathematics, co-authored "Permitting, Forcing, and Copies of a Given Recursive Relation" with C.J. Ash, published in *Annals of Pure and Applied Logic*, vol. 86, 1997, pages 219-236.

Charles Craypo, professor of economics, wrote "The Impact of Changing Corporate Strategies on Communities, Unions, and Workers in the United States of America" published in *Journal of Law and Society*, vol. 24, March 1997, pages 10-25.

Lawrence Cunningham, chairperson and professor of theology, wrote "Praying the Psalms" published in *America*, vol. 177, no. 3, Aug. 9, 1997, pages 7-11.

Fred R. Dallmayr, Dee professor of government and international studies, wrote "Inoperative Global Community? Reflections on Nancy" published in *On Jean-Luc Nancy: The Sense of Philosophy*, edited by D. Sheppard, S. Sparks and Colin Thomas, Routledge, 1997, pages 174-196. Dallmayr and **Peter R. Moody**, professor of government and international studies, edited a special issue of *The Review of Politics* titled "Non-Western Political Thought," Summer 1997. Dallmayr wrote "Introduction: Toward a Comparative Political Theory" for the special issue of *The Review of Politics*, pages 421-427. He wrote "The Politics of Nonidentity: Adorno, Postmodernism, and Edward Said" in *Political Theory*, vol. 25, 1997, pages 33-56. He wrote "International Vedanta Congress in Madras: A Report" published in *Philosophy East & West*, vol. 47, April 1997, pages 255-258.

JoAnn DellaNeva, associate professor of Romance languages and literatures, wrote "A Propos de 'Folle Amour': Marot, Petrarque et la Pleiade" in *Princes des Poetes Francois* by Clement Marot, edited by Gerard Defaux and Michel Simonin, Paris: Champion, 1997, pages 381-389.

Bernard Doering, professor emeritus of Romance languages and literatures, edited *Untrammelled Approaches* which he translated from the French *Approaches sans Entraves* by Jacques Maritain, as Volume XX of the Complete Works of Jacques Maritain in English, Notre Dame, Ind.: University of Notre Dame Press, 1997, xxix + 494 pages.

Dennis P. Doordan, associate professor of architecture, wrote "In the Shadow of the Fasces: Political Design in Fascist Italy" published in *Design Issues*, vol. 13, Spring 1997, pages 39-52.

Julia Douthwaite, associate professor of Romance languages and literatures, wrote "Homo ferus: Between Monster and Model" published in *Faces of Monstrosity in Eighteenth-Century Thought*, edited by Andrew Curran, Robert Maccubbin and David Morrill, special edition of *Eighteenth-Century Life*, vol. 21, no. 2, May 1997, pages 176-202.

Amitava K. Dutt, chairperson and professor of economics, wrote "Profit Rate Equalization in the 'Kalecki-Steindl' Model and the 'Overdetermination' Problem" published in *The Manchester School of Social and Economic Studies*, vol. 65, no. 4, 1997, pages 443-451. He co-authored "Heterogeneous Labor in a Simple Ricardian Model" with John Davis, published in *The State of the History of Economics*, edited by J.P. Henderson, London: Routledge, 1997, pages 56-67. He wrote "Uncertain Success: The Political Economy of Indian Economic Reforms" published in *Journal of International Affairs*, vol. 51, no. 1, 1997, pages 57-83. He wrote a review of *Westernizing the Third World: The Eurocentricity of Development Theories*, published in *Economic Journal*, vol. 107, no. 433, 1997, pages 1299-1300.

Richard M. Economakis, assistant professor of architecture, wrote "A Professional Profile" published in *Classical Modern Architecture*, edited by Andreas Papadakis, Paris: Editions Terrail, 1997, pages 48-49, 204. He wrote "Our Cities Besieged: A Critical Look at Late Twentieth Century Architecture and Urban Design" published in *The Anglo-Hellenic Review*, vol. 15, spring 1997, pages 3-5. He co-authored "Project for a Bridge Between Greece and Turkey" with Baki Sükan published in *Archi & Colonne International*, vol. 5, Sept.-Dec. 1996, p. 10.

Keith J. Egan, adjunct professor of theology, and Craig Morrison edited *Master of the Sacred Page: Essays in Honor of Roland E. Murphy, O. Carm., On the Occasion of His Eighteenth Birthday*, Washington, D.C.: Carmelite Institute, 1997.

Barbara J. Fick, associate professor of law, wrote "The Case for Maintaining and Encouraging the Use of Voluntary Affirmative Action in Private Sector Employment" published in *Notre Dame Journal of Law, Ethics and Public Policy*, vol. 11, 1997, pages 159-170.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, and **Prashant V. Kamat**, professional specialist in the Radiation Laboratory, co-authored "Excited State and Reduced and Oxidized Forms of C₇₆(D₂) and C₇₈(C_{2v})" with Di Liu published in *The Journal of Physical Chemistry A*, vol. 101, no. 35, 1997, pages 6195-6201.

Sr. Mary Catherine Hilker, O.P., associate professor of theology, wrote "Preaching the Word: A Liturgical Act" published in *Assembly*, vol. 23, no. 4, July 1997, pages 30-31.

Don Howard, professor of philosophy, wrote "A Peek behind the Veil of Maya: Einstein, Schopenhauer, and the Historical Background of the Conception of Space as a Ground for the Individuation of Physical Systems" published in *The Cosmos of Science: Essays of Exploration*, edited by John Earman and John D. Norton, Pittsburgh-Konstanz Series in the Philosophy and History of Science, vol. 6., Pittsburgh: University of Pittsburgh

Press, Konstanz: Universitätsverlag, 1997, pages 87-150.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, co-authored "Mechanism of One-electron Oxidation of β -, γ -, and δ -hydroxyalkyl Sulfides. Catalysis through Intramolecular Proton Transfer and Sulfur-oxygen Bond Formation" with Krzysztof Bobrowski, Bronislaw Marciniak, Brian Miller and Christian Schoeneich, published in *The Journal of Physical Chemistry*, vol. 119, no. 34, 1997, pages 8000-8011.

Maxwell Johnson, associate professor of theology, wrote "Enrico Mazza's *The Origins of the Eucharistic Prayer* and the Anaphora of Sarapion of Thmuis: A Critical Review" published in *Proceedings of the North American Academy of Liturgy*, 1997, pages 79-86. He wrote "The Shape of Christian Initiation in the Lutheran Churches: Liturgical Texts and Future Directions" published in *Studia Liturgica*, vol. 27, no. 1, 1997, pages 33-60. He wrote "Images for Preaching" published in *Sundays and Seasons: Worship Planning Guide, Cycle C, 1997-1998*, Minneapolis: Augsburg-Fortress, 1997, pages 241, 243, 245-246, 248, 250-251, 253-254, 259-260, 262, 264, 272, 276-277, 278-280. He wrote "Satis est? A Liturgist Looks at the Ecumenical Implications of Augustana VII" published in *Lutheran Forum*, vol. 31, no. 1, 1997, pages 12-18.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, co-authored "Interparticle Electron Transfer in Metal/Semiconductor Composites. Picosecond Dynamics of CdS-capped Gold Nanoclusters" with Bhairavi Shanghavi published in *The Journal of Physical Chemistry B*, vol. 101, no. 39, 1997, pages 7675-7679. He co-authored "Photoelectrochemistry of Composite Semiconductor Thin Films. Photosensitization of SnO₂/CdS Coupled Nanocrystallites with a Ruthenium Polypyridyl Complex" with Chouhaid Nasr, Surat Hotchandani, Won Y. Kim and Russell H. Schmehl, published in *The Journal of Physical Chemistry B*, vol. 101, no. 38, 1997, pages 7480-7487.

Julia F. Knight, professor of mathematics, co-authored "Quasi-simple Relations in Copies of a Given Recursive Structure" with C.J. Ash and J.B. Remmel, published in *Annals of Pure and Applied Logic*, vol. 86, 1997, pages 203-218. She co-authored "Control Theory, Model Logic, and Games" with B. Luense, published in *Hybrid Systems IV*, edited by Panos J. Antsaklis, professor of electrical engineering, et al., pages 160-173.

James J. Kolata, assistant chairperson and professor of physics, co-authored "Low-Energy Radioactive Beam Experiments Using the UM-UND Solenoid RNB Apparatus at the UND Tandem: Past, Present, and Future" with F.D. Becchetti, published in *Proceedings of the 14th International Conference on the Application of Accelerators in Research and Industry*, edited by J.L. Duggan and I.L. Morgan, New York: AIP Press, 1997, pages 369-375. Kolata, **Larry O. Lamm**, research associate professor of physics, **Johannes von Schwarzenberg**, assistant faculty fellow in physics, and **Michael C. Wiescher**, professor of physics, co-authored "Twinsol: A Dual Superconducting Solenoid System for Low-Energy Radioactive Nuclear Beam Research" with M.Y. Lee, et al., published in *Proceedings of the 14th International Conference on the Application of Accelerators in Research and Industry*, edited by J.L. Duggan and I.L. Morgan, New York: AIP Press, 1997, pages 397-400.

Charles F. Kulpa Jr., director of the Center for Bioengineering and Pollution Control and professor of biological sciences, co-authored "Elucidation of the Metabolic Pathway for Dibenzo-thiophene Desulfurization by *Rhodococcus* sp. Strain IGTS8 (ATCC 53968)" with Christopher Oldfield, Olga Pogrebinsky, Julie Simmonds and Edwin S. Olson, published in *Microbiology*, vol. 143, 1997, pages 2961-2973.

Michael Lykoudis, assistant chairperson and associate professor of architecture, wrote about the urban design projects "Blacksburg Public Library and Civic Center" and "Master Plan for Laurion Greece" published in *Modern Classical Architecture*, by Andreas Papadakis and James Steele, Paris:

Editions Pierre Terrail, 1997, pages 82-83. He co-designed "Proposal for a Piazza near the Ara Pacis, Rome" with Marianne Cusato, Mark Gage, Cristiana Gallo, Erin Moran, Stella Papadopoulos and Andrea Peschel, published in *Archi & Colonne*, Sept.-Dec. 1996, pages 38-39.

John Matthias, professor of English, wrote "Robert Hass" (reprinted from *Reading Old Friends*), published in *Contemporary Literary Criticism*, edited by Deborah A. Stanley, Detroit: Gale Research, 1997, pages 132-138. He wrote "Pages from a Book of Years" part three, sections I-V, published in *Another Chicago Magazine*, no. 32/33, spring/summer 1997, pages 155-163. He wrote three poems "The Key of C Does Not Know My Biography," "That Music is the Spur of All Licentiousness" and "Received by Angels Singing Like the Birds" published in *Boston Review*, vol. 22, no. 5, Oct./Nov. 1997, pages 31-34.

A. James McAdams, chairperson and professor of government and international studies, edited *Transitional Justice and the Rule of Law in New Democracies*, Notre Dame: University of Notre Dame Press, 1997, ix-xvii + 306 pages.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor of theology, wrote a review of *The Church and the Churches: Toward an Ecumenical Ecclesiology*, by Gilliam R. Evans, published in *The Journal of Religion*, vol. 77, no. 3, July 1997, pages 478-480. He wrote a review of *The Papacy*, by Paul Johnson, published in *The Tablet*, vol. 251, no. 8198, Sept. 20, 1997, pages 1193-1194. He wrote an untitled reflection on the title of the book published in *How Can I Find God?* by James Martin, Liguori, Mo.: Triumph Books, 1997, page 37.

Ralph M. McInerney, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, under the pseudonym of Monica Quill, wrote "The Visitor" published in *Ellery Queen Mystery Magazine*, Sept./Oct. 1997, pages 198-208. He wrote "Family Plot" published in *Ellery Queen Mystery Magazine*, Dec.

1997, pages 96-109. He wrote, under the pseudonym Monica Quill, "Intent to Kill" published in *The Year's Finest Crime and Mystery Stories*, edited by Joan Hess, Ed Gorman and Martin Greenberg, New York: Carroll and Grae Publishers, Inc., 1997, pages 201-208. He wrote *On This Rockne*, New York, N.Y.: St. Martin's Press, 1997, 212 pages.

James J. McKenna, professor of anthropology, co-authored "Bedsharing Promotes Breast Feeding" with S. Mosko and C. Richard, published in *Pediatrics*, vol. 100, no. 2, 1997, pages 214-219. He co-authored "Maternal Proximity and Infant CO₂ Environment During Bedsharing and Possible Implications for SIDS Research" with Mosko, Richard, S. Drummond and D. Mukai, published in *American Journal of Physical Anthropology*, vol. 103, 1997, pages 315-328. He co-authored "Maternal Sleep and Arousals During Bedsharing with Infants" with Mosko and Richard, published in *Sleep*, vol. 201, no. 2, 1997, pages 142-150. McKenna wrote "Sudden Infant Death Syndrome (SIDS) in Cross-Cultural Perspective: Infant-Parent Cosleeping Protective" published in *Annual Reviews in Anthropology*, vol. 25, 1996, pages 201-216. He co-authored "Sleeping Position, Orientation, and Proximity in Bedsharing Infants and Mothers" with Richard, Mosko and Drummond, published in *Sleep*, vol. 19, 1996, pages 685-690. He co-authored "Infant Sleep Architecture During Bedsharing and Possible Implications for SIDS" with Mosko, Richard and Drummond, published in *Sleep*, vol. 19, 1996, pages 677-684. McKenna wrote "Sudden Infant Death Syndrome: Making Sense of Current Research" published in *Mothering Magazine*, anniversary issue, October 1996, pages 73-80. He wrote "Anthropology in a Sleep Laboratory: Maketh a Career? What Physical Anthropology, SIDS, Watching Monkeys, and Having a Baby Have in Common" published in *Introduction to Physical Anthropology*, by R. Jurmain, et al., Wesley Publishing, 1996. He wrote a review of *Sudden Death in Infancy, Childhood and Adolescence*, by Roger W. Byard and Stephen D. Cohle, published in *Quarterly Review of Biology*, 1996, page 153. He wrote "Infants Need to

Sleep Next to Their Mothers" published in *Culture and Health*, World Health Organization Magazine, Geneva, Switzerland, March-April 1996. He wrote "SIDS Research" published in *Growth and Development 1996-1997*, edited by E. Junn and C. Boyatzis, annual editions, Guilford, Conn.: Dushkin Publishers, 1996, pages 31-35.

Thomas V. Merluzzi, associate professor of psychology, co-authored "Perceptions of Coping Behaviors by Persons with Cancer and Health Care Providers" with M. A. Martinez Sanchez, published in *Psycho-Oncology*, vol. 6, 1997, pages 197-203.

Eileen B. Mikals-Adachi, associate professor of East Asian languages and literatures, wrote "Enchi Fumiko" published in the *Dictionary of Literary Biography, Volume 182: Japanese Fiction Writers Since World War II*, edited by Van C. Gessel, Columbia, S.C.: Brucoli Clark Layman, Inc., 1997, pages 27-36.

Carolyn Nordstrom, associate professor of anthropology and fellow in the Kroc Institute, wrote *A Different Kind of War Story*, Philadelphia: University of Pennsylvania Press, Oct. 1997, 254 pages.

Rev. Thomas O'Meara, O.P., Warren professor of theology, wrote *Thomas Aquinas Theologian*, Notre Dame, Ind.: University of Notre Dame Press, 1997. He wrote "Seeing Theological Forms" published in *Archives of Modern Christian Art*, monograph #6, Aug. 1997. He wrote *The Basilica of the Sacred Heart at Notre Dame: A Theological Guide to the Painting and Windows*, third rev. ed., April 1997.

Larry K. Patterson, research professor emeritus of chemistry and assistant director of the Radiation Laboratory, co-authored "Diphenylhexatriene (DPH)-labeled Lipids as a Potential Tool for Studies on Lipid Peroxidation in Monolayer Films" with J.C. Maziere, J.D. Routier, C. Maziere and R. Santus, published in *Free Radical Biology and Medicine*, vol. 22, no. 5, 1997, pages 795-802. He co-authored "Stability of Chlorophyll *a* at the Gas-water Interface in Pure and Mixed Monolayers.

An Evaluation of Interfacial pH" with C. Mingotaud and J.-P. Chauvet, published in *The Journal of Physical Chemistry*, vol. 100, no. 47, 1996, pages 18554-18561.

Rev. John H. Pearson, C.S.C., associate professor of law, wrote "The Law of Easements: Rights in the Property of Another" published in *1997 Update, Thompson on Real Property, Vol. 7*, edited by David A. Thomas, Charlottesville, Va.: Michie Co., 1997, pages 59-81. He wrote "Real Covenants: Promises Concerning the Use of Land" published in *1997 Update, Thompson on Real Property, Vol. 7*, edited by David A. Thomas, Charlottesville, Va.: Michie Co., 1997, pages 83-141.

Mark C. Pilkinton, professor of communication and theatre, edited *Records of Early English Drama*, by Bristol, Toronto: University of Toronto Press, 1997, lxxxv + 382 pages.

Simon M. Pimblott, associate professional specialist in the Radiation Laboratory, and **Jay A. LaVerne**, professional specialist in the Radiation Laboratory, wrote "Stochastic Simulation of the Electron Radiolysis of Water and Aqueous Solutions" published in *The Journal of Physical Chemistry A*, vol. 101, no. 33, 1997, pages 5828-5838. Pimblott and LaVerne wrote "The Effect of Electron Energy on Radiation Damage" published in *Microdosimetry. An Interdisciplinary Approach*, edited by Dudley T. Goodhead, Peter O'Neill and Hans G. Menzel, Cambridge, U.K.: The Royal Society of Chemistry, 1997, pages 69-72.

Alvin Plantinga, O'Brien professor of philosophy, wrote "Ad Hick" published in *Faith and Philosophy*, vol. 14, no. 3, July 1997, pages 295-298.

John E. Renaud, Clark assistant professor of aerospace and mechanical engineering, co-authored "A Comparison of Equality Constraint Formulations for Concurrent Design Optimization" with R.V. Tappeta published in *Concurrent Engineering: Research and Applications (CERA)*, Technomic Publishing Company, Inc., vol. 5, no. 3, Sept. 1997, pages 253-261. He co-authored "Trust Region Augmented Lagrangian

Methods for Sequential Response Surface Approximation and Optimization" with J.F. Rodriguez, and L.T. Watson, published in *Proceedings of the 1997 ASME Design Engineering Technical Conferences*, ASME Paper 97-DETC/DAC-3773, CD-ROM Proceedings, Sacramento, Calif., Sept. 14-17. He co-authored "Multiobjective Collaborative Optimization" with R. Tappeta published in *Proceedings of the 1997 ASME Design Engineering Technical Conferences*, ASME Paper 97-DETC/DAC-3772, CD-ROM Proceedings, Sacramento, Calif., Sept. 14-17.

Terrence W. Rettig, associate professor of physics, co-authored the paper "Tidal Disruption of Strengthless Rubble Piles — A Timescale Analysis" with J.M. Hahn, published in *Bulletin of AAS*, vol. 29, no. 3, 1997, page 1088. Rettig co-authored "CO Emission in Comets C/1995 O1 (Hale-Bopp) and C/1996 B2 (Hyakutake): Evidence for a Distributed Source" with M.A. DiSanti, N. Dello Russo, M.J. Mumma, et al., published in *Bulletin of AAS*, vol. 29, no. 3, 1997, page 1041. He co-authored "Identification and Quantification of Water in Comet Hale-Bopp and Comet Hyakutake Using Infrared Hot-Band Fluorescence" with N. Dello Russo, M.J. Mumma, M.A. DiSanti, K. Magee-Sauer and R. Novak, published in *Bulletin of AAS*, vol. 29, no. 3, 1997, page 1050. He co-authored "Infrared Spectroscopy of the 3.0 Micron Region: Observations of Hale-Bopp with the NASA Infrared Telescope at Mauna Kea" with K. Magee-Sauer, M.J. Mumma, M.A. DiSanti, N. Dello Russa and R. Novak, published in *Bulletin of AAS*, vol. 29, no. 3, 1997, page 1040.

James H. Seckinger, professor of law, wrote *Impeachment and Rehabilitation, Materials for Intensive Trial Advocacy Workshop*, Toronto, Canada: Osgoode Hall, York University, 1997.

Slavi C. Sevov, assistant professor of chemistry and biochemistry, co-authored "Synthesis, Characterization, and Bonding of Heteroatomic Clusters: $\text{Na}_{13}\text{Cd}_{20}\text{E}_7$ (E = Pb, Sn), a Further Example of a Structure Containing Empty Icosahedra without an Element of Group 13" with Evgeny Todorov published in *Inorganic Chemistry*, vol. 36,

1997, pages 4298-4302. He co-authored "Ge₃: A Deltahedral Zintl Ion Now Made in the Solid State" with Virginie Queneau published in *Angewandte Chemie International Edition English*, vol. 36, 1997, pages 1754-1756.

Dinah Shelton, professor of law, co-authored *Manual of European Environmental Law* with Alexandre Kiss, second ed., Cambridge, Mass.: Cambridge University Press, 1997. She wrote "Litigating Foreign Environmental Damage in United States Courts" published in *European Business Law Review*, May/June 1997.

Albin Szewczyk, professor of aerospace and mechanical engineering, co-authored "Effects of a Splitter Plate on the Near Wake of a Circular Cylinder in 2- and 3-dimensional Flow Configurations" with Elgin A. Anderson published in *Experiments in Fluids*, vol. 23, 1997, pages 161-174.

J. Kerry Thomas, Nieuwland professor of chemistry and biochemistry, co-authored "Surface Chemistry Induced by High Energy Radiation in Silica of Small Particle Structures" with Guohong Zhang and Yun Mao published in *Journal of Physical Chemistry B*, vol. 101, 1997, pages 7101-7113.

Eugene Ulrich, professor of theology, wrote *Qumran Cave 4, X: The Prophets. Discoveries in the Judean Desert 15*, Oxford, England: Clarendon Press, xv + 325 pages + LVI plates.

Arvind Varma, Schmitt professor of chemical engineering, co-authored "Effect of Catalyst Distribution in a Membrane Reactor: Experiments and Model" with J. Szegner and K.L. Yeung published in *AIChE Journal*, vol. 43, 1997, pages 2059-2072. He co-authored "Optimal Catalyst Activity Profiles in Pellets - XI. The Case of Multiple-Step Distributions" with R. Baratti, V. Feckova and M. Morbidelli, published in *Industrial and Engineering Chemistry Research*, vol. 36, 1997, pages 3416-3420.

Kathleen Maas Weigert, professional specialist and associate director for academic affairs and research in the Center for Social Concerns, concurrent associate professor in American studies and fellow in the Joan B. Kroc Institute for International Peace Studies, and **Richard A. Lamanna**, associate professor of sociology co-authored *The Search for Common Ground: What Unites and Divides Catholic Americans*, with James D. Davidson, Andrea S. Williams, Jan Stenftenagel, William J. Whalen and Patricia Wittberg, S.C., Our Sunday Visitor Publishing Division, Our Sunday Visitor, Inc., 1997.

Rev. Oliver F. Williams, C.S.C., associate professor of management, wrote "Catholic Social Teaching" published in *Encyclopedic Dictionary of Business Ethics*, edited by Patricia H. Werhane and R. Edward Freeman, Oxford, U.K.: Blackwell Publishers Inc., 1997, pages 100-102. He wrote "Business Ethics in South Africa" published in *Encyclopedic Dictionary of Business Ethics*, edited by Patricia H. Werhane and R. Edward Freeman, Oxford, U.K.: Blackwell Publishers Inc., 1997, pages 89-92.

John Howard Yoder, professor of theology, wrote "La Radicalité du message de Jésus published in *Cahiers de la Réconciliation* (Paris), vol. 64, no. 1-2, 1997, pages 3-9. He wrote *For the Nations: Essays Public and Evangelical*, Grand Rapids, Mich.: Eerdmans, 1997, 251 pages.

Deaths

Ettore A. Peretti, professor emeritus of materials science and engineering, July 28. Peretti was appointed associate professor of metallurgical engineering in 1946. He was promoted to full professor in 1949 and became chair of the metallurgy department in 1951. He served as assistant dean of the College of Engineering from 1969 to his retirement in 1978. He served as the associate director of the National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc., (GEM) from 1978 to 1991. Peretti received his bachelor's and master's degrees from the Montana School of Mines and his doctorate magna cum laude from the Wuerttemberg Institute of Technology in Stuttgart, Germany. He taught at the Montana School of Mines and Columbia University from 1940 to 1946. He was a fellow and past international president of the American Society for Metals and a member of the American Institute of Mining Engineers, the American Society of Testing Materials, the American Association of University Professors, the American Foundrymen's Society, the Iron and Steel Institute, the American Society of Engineering Educators, the Institute of Metals, Sigma Xi Tau Beta Pi, Theta Tau, and Alpha Sigma Mu. He wrote more than 100 technical publications and was listed in *Who's Who in America*, *Who's Who in Engineering*, *American Men in Science* and *Who's Who in the Midwest*. He received an honorary degree from the Montana School of Mines in 1963.

Administrators' Notes

Appointments

Michael D. Donovan has been appointed senior investment director in the investment office. He will be responsible primarily for investment activities in private equity and certain types of "hedge" funds for the \$1.5 billion endowment. He also will manage the office's legal activities. Donovan received his bachelor's degree in finance from Notre Dame in 1984, his law degree from the University of California at Los Angeles School of Law in 1987, and his master's of business administration degree from the Harvard Business School in May. He most recently was president and co-founder of the Pin-6 Co., a manufacturer and distributor of school and office products. He previously served as a corporate attorney with the Philadelphia law firm of Morgan, Lewis and Bockius.

Maureen A. Fitzgibbon has been appointed director of international student affairs. She served for 10 years as director of international student services at Grinnell College in Iowa, where she also was an assistant director of admissions, coordinator of international admissions, and assistant director of off-campus studies. She began her career at the University of Iowa, serving as a foreign student and scholar advisor from 1984 to 1987. She was graduated from Iowa with a bachelor's degree in English in 1980 and received a master's degree in student development in postsecondary education in 1986.

Honors

Anne C. Hamilton, director of admissions for the Law School, has been appointed a member of the Misconduct and Irregularities in the Admission Process Subcommittee of the Law School Admission Council.

James A. Roemer, director of community relations, has received the second annual Ed Dargis Community Leader Award from the Michiana Coalition on Alcohol and Other Drugs. The award is named for the late community activist who devoted many

years to the development of treatment programs for alcohol and other drug dependencies. Roemer spearheaded the formation of the coalition at the request of Father Malloy. More recently, Roemer initiated the drive for a drug court, now operated by Judge Roland Chamblee.

Activities

Denis F. Ellis, executive chef, led a team of eight chefs who prepared new recipes using dehydrated vegetables developed by Breedlove Dehydrated Foods, a not-for-profit company based in Lubbock, Tex., at the Childhood Hunger Forum sponsored by the American Culinary Federation's Chef and the Child Foundation held in Washington, D.C., Sept. 20-22. Ellis and the Recipe Development Committee worked with Breedlove on recipes using gleaned vegetables that are donated by farmers nationwide and dehydrated at the company's plant.

Iris Outlaw, director of the Office of Multicultural Student Affairs, presented "Prescription for Change: The Challenge of Racial Identity" at the 10th annual Race and Ethnicity conference in Orlando, Fla., May 31.

Publications

Alan S. Bigger, director of building services, wrote "I Am Full of Hot Air! . . . Believe It or Not" published in *Executive Housekeeping Today*, Sept. 1997, pages 16, 18. Alan Bigger and **Linda B. Bigger**, assistant director of purchasing, wrote "Sweep Customers Off Their Feet" published in *Maintenance Solutions*, September 1997, pages 40, 42-43. They wrote "The Toughest Room" published in *Contracting Profits*, Sept. 1997, pages 48, 50-51. They wrote "The Job is Never Complete Until the Paperwork Is Done! or, the Successful Art of Specifying Paper Products for Restrooms" published in *Executive Housekeeping Today*, Oct. 1997, pages 22, 24-26. They wrote "The Royal Flush" published in *Executive Housekeeping Today*, Oct. 1997, pages 16-17, 20, 22.

Documentation

Academic Affirmative Action Committee

Report on Faculty Diversity: 1996-97

I. History

Notre Dame has been grappling with the problem of a non-diverse faculty for more than 30 years. In 1970, Professor Thomas Broden, director of the Urban Studies Institute, wrote that the University could reasonably expect a faculty that was 20 to 25 percent non-white by July 1976. In 1975, President Theodore Hesburgh introduced the University's Affirmative Action Program, which asks all departments to "expend special energies to locate qualified women and minority candidates." Father Hesburgh reminded the University that we would be "judged by the results . . . in this quest for justice."

The results are dismal. Despite the exhortations of President Hesburgh and, more recently, President Malloy, we still have not come close to our goals. Minorities make up just 10 percent of the faculty, and women represent only 25 percent of the total. (The following charts give a more detailed picture of the situation). The most recent North Central Accreditation Report observes that "there appears to be no systematic plan in place or being developed for increasing the numbers of women and minority faculty."

Clearly, the University must take strong new steps to respond to this lack of progress. The Academic Affirmative Action Committee reaffirms in the strongest terms the need for institutional changes that will increase our diversity, the need for both short- and long-term planning by the administration, and the need for individual faculty commitment to making the faculty diverse.

II. Recent steps

In the 1996-97 academic year, the Academic Affirmative Action Committee rearticulated its special mission: to increase the number of minorities and women on the faculty. (It is the consensus of the committee that the hiring of Catholics and members of the Holy Cross community is a separate issue deserving of separate attention.) The committee divided its work into three areas: one subcommittee to work with the college diversity plans; one subcommittee to concentrate on retention of women and minority faculty; and one subcommittee to evaluate and prepare the University's report on faculty diversity.

The committee recommended that diversity officers be appointed in each college of the University, a recommendation accepted by Provost Hatch last fall. The deans appointed the officers (in the case of the College of Arts and Letters, a diversity committee) at the beginning of the calendar year. Their responsibility is to help the colleges develop and implement proactive plans of action tailored to college needs and opportunities. The plans of action are aimed, at least initially, at increasing the diversity of the applicant pool. The Academic Affirmative Action Committee (AAAC) is reviewing the plans; the provost will assess progress and in conjunction with the AAAC will determine what additional measures are needed to realize diversity.

In his inaugural address to the faculty last fall, Provost Hatch also announced a major new initiative: target of opportunity hires, which allow departments to make offers to outstanding women and minority prospects (among others) when a faculty line is not otherwise available.

III. Recommendations

The committee reminds the faculty and administration that the University's affirmative action plan specifies expending *special energies* to locate and hire women and minorities and offers the following recommendations.

To the President

- Continue using the presidency as a bully pulpit for faculty diversity and insist on results.
- Target on adequate funding for target-of-opportunity hires and special lecture series.

To the Provost

- Monitor closely the work of the colleges' diversity officers. Intervene quickly when progress is not being made.
- Meet with the Academic Affirmative Action Committee at the beginning of every academic year to define goals and at the end of every academic year to assess progress.
- Reward departments that have met availability statistics for women or minority hires.
- Continue target-of-opportunity hires.
- Implement a lecture series for distinguished senior minorities.

To College Deans

- Meet regularly with college diversity officers to assess progress.
- Communicate progress regularly to all college faculty.
- Make progress in hiring a diverse faculty part of the evaluation of department chairs.

To Department Chairs

- Define departmental goals.
- Appoint or have elected a diversity officer who will oversee the department's progress and meet with search committees and the department's Committee on Appointment and Promotions.
- Announce the availability statistics for women and minorities in the field at the beginning of every academic search.

- Examine curricular offerings. Many departments have successfully made efforts to match curriculum offerings to research interests of minority and female professors. Pay special attention that workshops, conferences and speaker series make every possible effort to include women and minorities.
- Examine the graduate student population in your department. It is clear that efforts to increase the number of female and minority faculty members must be matched by efforts to increase the number of female and minority graduate students.

To Department Search Committees and CAPs

- Be proactive. Go beyond advertising jobs.
- Contact major graduate programs well in advance of actual openings to identify potential candidates.
- Contact colleagues, including but not limited to women and minorities, well established in the field to ask for candidate suggestions.

- Invite potential candidates to present papers at department colloquia.
- Send a representative to conferences to identify candidates.

To Individual Faculty

- Become actively involved in your department's efforts. Insist that the department take extra efforts to ensure a diverse pool of applicants.
- If you are a tenured faculty member, team up with a junior faculty member to share ideas on curriculum offerings and ideas to increase the applicant pool.

In conclusion, the University clearly has not made the sort of rapid progress in diversifying the faculty that we envisioned two and a half decades ago. New initiatives have been introduced to reinvigorate our efforts and the Academic Affirmative Action Committee will continue to monitor not only the statistical data but also the efforts that are being expended to improve the situation. Success requires commitment, work and cooperation by both faculty and administration.

Women	1996-97	95-96	94-95	93-94	90-91
Regular T&R	17.4%	16.7%	17.1%	16.5%	12.9%
Total Faculty	25.3%	24.5%	24.2%	23.9%	
Minorities	1996-97	95-96	94-95	93-94	90-91
Regular T&R	12.5%	11.7%	12.2%	8.8%	8.3%
Total Faculty	10.7%	10.7%	11.3%	8.8%	

Table 1Total Male/Female Composition for 1996-97 by Faculty Categories, Number of Faculty and Percentages¹

Faculty Category	Total	Men	Women
<i>Total Faculty</i>	1252	935 (74.7%)	317 (25.3%)
REGULAR			
<i>Total Regular</i>	973	740 (76.1%)	233 (23.9%)
Teaching and Research	690	570 (82.6%)	120 (17.4%)
Special Professional	165	97 (58.8%)	68 (41.2%)
Research	14	10 (71.4%)	4 (28.6%)
Library	45	22 (48.9%)	23 (51.1%)
Other	59	41 (69.5%)	18 (30.5%)
NON-REGULAR			
<i>Total Non-Regular</i>	279	195 (69.9%)	84 (30.1%)
Teaching and Research	250	177 (70.8%)	73 (29.2%)
Special Professional	12	6 (50.0%)	6 (50.0%)
Research	2	2 (100%)	0 (0%)
Library	1	0 (0%)	1 (100%)
Other	14	10 (71.4%)	4 (28.6%)

¹Includes U.S. Citizens, Permanent Residents and Resident Aliens.**Table 2**Male/Female Composition for 1996-97 by Faculty Categories and Rank
U.S. Citizens and Permanent Residents Only¹

	REGULAR FACULTY			NON-REGULAR FACULTY		
	Total	Men	Women	Total	Men	Women
<i>Total</i>	887	681	206	235	161	74
Teaching and Research						
<i>Subtotal</i>	670	557	113	221	153	68
Full	289	267	22	38	35	3
Associate	208	175	33	37	34	3
Assistant	166	111	55	89	56	33
Instructor	7	4	3	57	28	29
Special Professional						
<i>Subtotal</i>	161	95	66	11	6	5
Full	26	22	4	0	0	0
Associate	55	37	18	4	2	2
Assistant	72	30	42	6	3	3
Instructor	8	6	2	1	1	0
Research						
<i>Subtotal</i>	11	7	4	2	2	0
Full	2	1	1	0	0	0
Associate	4	3	1	0	0	0
Assistant	5	3	2	2	2	0

	REGULAR FACULTY			NON-REGULAR FACULTY		
	Total	Men	Women	Total	Men	Women
Library						
<i>Subtotal</i>	45	22	23	1	0	1
Full	17	7	10	0	0	0
Associate	18	10	8	0	0	0
Assistant	9	4	5	0	0	0
Instructor	1	1	0	1	0	1

¹Note this differs from Table 1 which includes resident aliens.

Table 3

Female Availability and Composition Regular Teaching and Research and Library Faculty, 1996-97

School	Female Availability ²	Women Actual ²	Full	Associate	Assistant	Instructor
<i>Arts and Letters</i>						
American Studies	NA	20.0% (1)	0	0	1	0
Anthropology	45.6%	20.0% (2)	0	0	2	0
Art, Art History and Design	49.0%	27.8% (5)	0	2	3	0
Classical and Oriental Languages	35.8%	38.5% (5)	0	2	3	0
Communication and Theatre	38.3%	28.6% (2)	1	1	0	0
Economics	17.3%	4.8% (1)	0	1	0	0
English	48.0%	36.8% (14)	5	3	4	2
German and Russian Languages	49.5%	14.3% (1)	1	0	0	0
Government and International Studies	22.7%	19.2% (5)	0	1	4	0
History	26.8%	22.7% (5)	0	2	3	0
Music	30.3%	37.5% (6)	1	4	1	0
Philosophy	20.5%	6.3% (2)	0	0	2	0
Program of Liberal Studies	NA	15.4% (2)	0	1	1	0
Psychology	46.3%	42.3% (11)	2	1	8	0
Romance Languages	56.1%	40.0% (6)	1	3	2	0
Sociology	40.0%	26.3% (5)	2	0	3	0
Theology	NA	21.9% (7)	3	2	2	0
<i>Business</i>						
Accountancy	18.4%	19.0% (4)	0	1	2	1
Finance	18.4%	13.0% (3)	0	0	3	0
Management	18.4%	12.5% (3)	0	0	3	0
Marketing	18.4%	0%	0	0	0	0
<i>Engineering</i>						
Aerospace and Mechanical	3.3%	0%	0	0	0	0
Chemical	9.1%	7.1% (1)	0	1	0	0
Civil and Geological Sciences	11.0%	5.9% (1)	0	0	1	0
Computer Science	13.9%	9.1% (1)	0	0	1	0
Electrical	4.2%	0%	0	0	0	0
<i>Science</i>						
Biological Sciences	30.7%	14.8% (4)	0	2	2	0
Chemistry and Biochemistry	24.0%	11.1% (3)	0	0	3	0
Mathematics	15.7%	7.5% (3)	3	0	0	0
Physics	7.5%	8.6% (3)	0	3	0	0
Architecture	25.2%	7.1% (1)	0	0	1	0
Law School	31.9%	20.7% (6)	3	3	0	0
Library	NA	51.3% (19)	7	8	4	0
Law Library	NA	44.4% (4)	3	0	1	0

¹ Availability based on National Degree Data through 1995.

² U.S. citizens and permanent residents.

Table 4**Minority Composition for 1996-97 by Faculty Categories, Number of Faculty and Percentages¹**

Faculty Category	Total	Total Minority	African/African Am.	Asian/Pacific Is.	Hispanic	Native American
TOTAL Faculty	1252	134 (10.7%)	20 (1.6%)	5 (6.0%)	39 (3.1%)	0 (0%)
REGULAR						
Total Regular	973	116 (11.9%)	19 (2.0%)	65 (6.7%)	32 (3.3%)	0 (0%)
Teaching and Research	690	86 (12.5%)	11 (1.6%)	50 (7.2%)	25 (3.6%)	0 (0%)
Special Professional	165	16 (9.7%)	3 (1.8%)	7 (4.2%)	6 (3.6%)	0 (0%)
Research	14	6 (42.9%)	0 (0%)	6 (42.9%)	0 (0%)	0 (0%)
Library	45	3 (6.7%)	2 (4.4%)	1 (2.2%)	0 (0%)	0 (0%)
Other	59	5 (8.5%)	3 (5.1%)	1 (1.7%)	1 (1.7%)	0 (0%)
NON-REGULAR						
Total Non-Regular	276	18 (6.5%)	1 (0.4%)	10 (3.6%)	7 (2.5%)	0 (0%)
Teaching and Research	250	15 (6.0%)	1 (0.4%)	10 (4.0%)	4 (1.6%)	0 (0%)
Special Professional	12	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Research	2	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Library	1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Other	14	3 (21.4%)	0 (0%)	0 (0%)	3 (21.4%)	0 (0%)

¹Includes U.S. Citizens, Permanent Residents and Resident Aliens.

Table 5**Minority Composition for 1996-97 by Faculty Categories and Rank
U.S. Citizens and Permanent Residents Only¹****REGULAR FACULTY**

	Total	Total Minority	African American	Asian Pacific Is.	Hispanic	Native American
TOTAL	887	102	16	56	30	0
Teaching and Research						
Subtotal	670	82	11	47	24	0
Full	289	36	2	22	12	0
Associate	208	15	3	7	5	0
Assistant	166	27	3	17	7	0
Instructor	7	4	3	1	0	0
Special Professional						
Subtotal	161	13	3	4	6	0
Full	26	2	0	2	0	0
Associate	55	1	0	0	1	0
Assistant	72	10	3	2	5	0
Instructor	8	0	0	0	0	0

REGULAR FACULTY

	Total	Total Minority	African American	Asian Pacific Is.	Hispanic	Native American
Research						
<i>Subtotal</i>	11	4	0	4	0	0
Full	2	0	0	0	0	0
Associate	4	1	0	0	0	0
Assistant	5	3	0	3	0	0
Library						
<i>Subtotal</i>	45	3	2	1	0	0
Full	17	2	1	1	0	0
Associate	18	1	1	1	0	0
Assistant	9	0	0	0	0	0
Instructor	1	0	0	0	0	0

¹Note this differs from Table 4 which includes resident aliens.

Table 5.1
**Minority composition for 1996-97 by Faculty Categories and Rank
U.S. Citizens and Permanent Residents Only¹**

NON-REGULAR FACULTY

	Total	Total Minority	African American	Asian Pacific Is.	Hispanic	Native American
<i>TOTAL</i>	236	12	1	7	4	0
Teaching and Research						
<i>Subtotal</i>	221	12	1	7	4	0
Full	38	2	0	2	0	0
Associate	37	4	1	2	1	0
Assistant	89	5	0	3	2	0
Instructor	57	1	0	0	1	0
Special Professional						
<i>Subtotal</i>	11	0	0	0	0	0
Associate	4	0	0	0	0	0
Assistant	6	0	0	0	0	0
Instructor	1	0	0	0	0	0
Research						
<i>Subtotal</i>	2	0	0	0	0	0
Assistant	2	0	0	0	0	0
Library						
<i>Subtotal</i>	1	0	0	0	0	0
Full	1	0	0	0	0	0

¹Note this differs from Table 4 which includes resident aliens.

Table 6**Minority Availability and Composition
Regular Teaching and Research Faculty 1996-97**

School	Total		Black Availability	Black Actual	Asian Availability	Asian Actual	Hispanic Availability	Hispanic Actual
	Minority Availability ²	Minority Actual ²						
<i>Arts and Letters</i>								
American Studies	NA	0%	NA	0%	NA	0%	NA	0%
Anthropology	8.2%	10.0% (1)	2.2%	0%	2.4%	0%	3.0%	10.0% (1)
Art, Art History and Design	5.9%	22.2% (4)	1.9%	5.6% (1)	2.2%	5.6% (1)	1.4%	11.0% (2)
Classical and Oriental Lang.	17.2%	15.4% (2)	1.0%	0%	14.3%	15.4% (2)	1.7%	0%
Communication and Theatre	8.3%	0%	4.5%	0%	1.9%	0%	1.6%	0%
Economics	12.9%	33.3% (7)	3.0%	4.8% (1)	7.8%	23.8% (5)	2.0%	4.8% (1)
English	5.8%	7.9% (3)	2.6%	7.9% (3)	1.6%	0%	1.3%	0%
German and Russian Lang.	1.6%	0%	0.7%	0%	0.5%	0%	0.2%	0%
Govt. and Intl. Studies	12.4%	11.5% (3)	1.2%	0%	8.6%	3.8% (1)	1.8%	7.7% (2)
History	8.2%	4.5% (1)	3.5%	4.5% (1)	2.0%	0%	2.3%	0%
Music	7.1%	0%	2.4%	0%	2.8%	0%	1.4%	0%
Philosophy	5.9%	3.1% (1)	1.7%	0%	1.9%	3.1% (1)	1.9%	0%
Program of Liberal Studies	NA	0%	NA	0%	NA	0%	NA	0%
Psychology	8.5%	0%	3.7%	0%	1.7%	0%	3.4%	0%
Romance Languages	17.6%	26.7% (4)	2.1%	0%	0.5%	0%	14.9%	26.7% (4)
Sociology	14.0%	21.1% (4)	5.9%	0%	4.0%	5.3% (1)	3.6%	15.8% (3)
Theology	NA	3.1% (1)	NA	3.1% (1)	NA	0%	NA	0%
<i>Business</i>								
Accountancy	10.9%	33.3% (7)	2.7%	9.5% (2)	6.6%	14.3% (3)	1.2%	9.5% (2)
Finance	10.9%	4.3% (1)	2.7%	0%	6.6%	0%	1.2%	4.3% (1)
Management	10.9%	16.7% (4)	2.7%	0%	6.6%	16.7% (4)	1.2%	0%
Marketing	10.9%	8.3% (1)	2.7%	0%	6.6%	8.3% (1)	1.2%	0%
<i>Engineering</i>								
Aerospace and Mechanical	20.0%	21.4% (6)	1.4%	0%	16.9%	17.9% (5)	1.6%	3.6% (1)
Chemical	22.1%	28.6% (4)	1.2%	0%	18.6%	14.3% (2)	2.1%	14.3% (2)
Civil and Geological Sciences	14.7%	5.9% (1)	1.1%	0%	11.0%	5.9% (1)	2.2%	0%
Computer Science	13.3%	18.2% (2)	0.8%	0%	10.9%	18.2% (2)	1.1%	0%
Electrical	23.1%	15.0% (3)	1.7%	0%	19.7%	15.0% (3)	1.6%	0%
<i>Science</i>								
Biological Sciences	10.5%	3.7% (1)	1.6%	0%	6.7%	3.7% (1)	1.8%	0%
Chemistry and Biochemistry	12.8%	11.1% (3)	1.5%	3.7% (1)	9.1%	7.4% (2)	1.9%	0%
Mathematics	12.7%	25.0% (10)	1.4%	0%	9.3%	20.0% (8)	1.8%	5.0% (2)
Physics	11.4%	11.4% (4)	0.9%	0%	8.6%	8.6% (3)	1.7%	2.8% (1)
<i>Architecture</i>	19.5%	7.1% (1)	9.1%	0%	7.0%	7.1% (1)	1.7%	0%
<i>Law School</i>	10.6%	6.9% (2)	4.7%	3.4% (1)	2.2%	0%	3.2%	3.4% (1)

¹ Availability based on National Degree Data through 1995.² U.S. citizens and permanent residents.

Faculty Senate Journal

April 29, 1997

The vice chair, Professor Jean Porter, called the meeting to order at 7 p.m. in room 210 of the Center for Continuing Education and asked Professor Mario Borelli to offer a prayer. Porter was chairing the meeting because of the absence due to illness of the chair Professor Richard McBrien. The journal for the meeting of April 2, 1997, was presented and approved without change.

The vice chair introduced a resolution from the executive committee (no second needed) in honor of Theodore M. Hesburgh, C.S.C., president emeritus of the University, on the occasion of his upcoming 80th birthday. McBrien was able to attend this portion of the meeting and asked permission to read the resolution. It is printed as appendix B of this journal. The senate thereupon passed the resolution unanimously and loudly applauded Fr. Hesburgh who was in attendance. The senate requested to hear his remarks. In response to the resolution Fr. Hesburgh said he was grateful for the senate's expression of its appreciation for his work and reflected on his years at Notre Dame. He also complimented members for their efforts, saying, "If we are to create the great Catholic university here, it is up to you, the faculty." He also noted that he could not think of a single faculty member in all of his years at Notre Dame whom he did not like, "or stranger, whom I don't love." The senate responded with another round of applause and a standing salute as he left the room.

There was no chair's report at the meeting. However, Porter asked to include an exchange of letters between the chair and the Director of Human Resources Roger Mullins with regard to the issue of health care benefits for birth control. The letters are printed as appendix C of this journal. The treasurer Laura Bayard presented a treasurer's report, which is printed as appendix D of this journal. Professor Richard Sheehan asked to follow up on an issue from a previous meeting and

wondered what had happened to the senate's resolution in support of a student bill of rights. Professor Philip Quinn replied that the matter was discussed in the most recent meeting of the executive committee of the Academic Council, which decided to refer it to the Campus Life Council (CLC) as a body better suited to act on such an issue at least initially; the Academic Council may involve itself later on or may not. Professor John Derwent reported that the CLC had apparently decided to put off any consideration or action until the fall semester. Sheehan pointed out that *du Lac*, the student handbook, is to be revised over the summer months and anyone wishing to comment on this issue should do so quickly. Porter said any comments from faculty can be sent to the senate office for transmittal to the Office of Student Affairs (OSA). Patrick Sullivan, C.S.C., reminded the senate that OSA had some time ago refused to consider a student bill of rights.

Since this was the last senate meeting for the current academic year, each committee chair was asked to report briefly on potential agenda items for next year's senate to consider.

Administration — Professor Clive Neal said the committee next year should concentrate its efforts on a faculty alcohol/drug policy, short-term handicapped parking, and graduate student health benefits.

Academic Affairs — Professor Sonia Jordan pointed to several issues: Data is still needed on the issue of administrative processing for foreign students and faculty; electronic services in the libraries, especially in light of a new director to be appointed; health benefits for graduate students (in cooperation with other senate committees); data on retention of senior faculty; and Notre Dame's "good faith efforts" to replace funding lost due to cutbacks in the National Endowments for the Arts, and the Humanities. Borelli told the senate that Provost Nathan Hatch made a strong case in testimony on the Higher Education Act's renewal to keep funding at current levels at least and gradually increase it.

Benefits — Borelli listed several items: the birth control issue, retiree health benefits and the way increases might impact current faculty, and the possibility of adding a benefit for adoption.

Student Affairs — Sullivan said the progress on a student bill of rights should be carefully monitored and not lost sight of; also the senate should offer its help to the Academic Council in its investigation of student alcohol/drug use.

Finally the North Central Accreditation report's comments on OSA should be fully examined to see if OSA has implemented the suggestions made in the report.

NEW BUSINESS

The first item was a memorial resolution introduced and read by Professor William Eagan in honor of the late Professor John Houck. Sullivan requested as a friendly amendment that Eagan note Houck's strong support for the ordination of women, and he agreed. The senate unanimously passed the amended resolution, and observed a moment of silence in honor of our deceased colleague and friend John Houck. The amended resolution is printed as appendix E of this journal.

Quinn moved that each senate committee prepare a written report (similar to what the Academic Council is now doing) for the final meeting of the year (beginning in 1997-98), detailing its accomplishment and the issues left hanging. Borelli seconded, and the senate unanimously passed the motion.

Sullivan urged the senate to be aware of and concerned about the salaries of non-faculty members of the Notre Dame community. Eagan complimented Sullivan on this and also on his recent report on faculty governance; he asked the appropriate committee to study his recommendations as part of their work next year, and that the senate be represented at the next national assembly of faculty senates.

Porter then thanked by name the outgoing members of the senate for their outstanding service, and welcomed by

name those members new to the senate for 1997-98. The 1996-97 Faculty Senate then adjourned.

The 1997-98 senate met to organize and elect officers. Porter held the temporary chair, until the election of a new chair. She read the nominating committee report and thanked the members for their efforts. The senate then proceeded to elections.

Chair: Professor Michael DETLEFSEN was elected by acclamation.

Vice Chair: The nominating committee recommended Sheehan and Captain Russell Pickett. SHEEHAN was elected.

Committee Chairs

Academic Affairs: Professor Gregory STERLING was elected by acclamation.

Benefits: Professor Kathleen DELANGHE was elected by acclamation.

Administration: There were two candidates: Neal and Professor Ikaros Bigi. NEAL was re-elected.

Student Affairs: PREACHER was elected by acclamation.

Co-Secretaries: PICKETT and Professor Ava PREACHER were elected by acclamation.

Treasurer: BAYARD was re-elected by acclamation.

Detlefsen, having taken the chair after his election, called for adjournment and the senate agreed at 8:30 p.m.

Present: Bayard, Bergstrand, Berry, Blakey, Borelli, Chami, Coll, Collins, Davis, DeLanghe, Derwent, Detlefsen, Eagan, Godmilow, Hemler, Hill, Jordan, Kirkner, Lamanna, Lombardo, McBrien, Munzel, Neal, Porter, Preacher, Quinn, Sayers, Sheehan, Sheerin, Sullivan, Williams

Excused: Gundlach, Kelly, Sterling, Rai

Absent: Biddick, Bigi, Blenkinsopp, Borkowski, Buttigieg, Carroll, Cholak, Delaney, Garg, Huang, Hyde, Mason, Ramsey, Runge, Schmid, Urbany, Zachman

Respectfully submitted,

Peter Lombardo, co-secretary

Appendix A

Chair's Report

April 29, 1997

[Because of the chair's illness, this report was not prepared in time for the April 29 meeting of the Faculty Senate. Correspondence between the chair and Mr. Roger Mullins, associate vice president for human resources, regarding health care benefits for birth control was read into the record at the meeting of April 29 by the vice chair, Professor Jean Porter. Those letters are included in the appendices to this journal.]

1. Since January of this year I have been reporting regularly to the Faculty Senate on the progress, or lack thereof, of the administration's ad hoc committee named by the president of the University to address the issue of nondiscrimination in University policies. The issue still has not come to any resolution within the ad hoc committee or by the officers of the University. Evidently, this will remain a matter to be monitored closely by the senate and its incoming chair in the new academic year.

2. I wish to acknowledge the service of those members of the Faculty Senate whose terms have ended with the meeting of April 29 and who either did not choose to stand for re-election or were not re-elected. From the College of Arts and Letters: Kathleen Biddick (history), James Collins (communication and theatre), Valerie Sayers (English), and Jean Porter (theology), who will be on sabbatical leave next year and has relinquished the third and final year of her current term, and also Neil Delaney, who served as *ex officio* member this year. From the College of Business Administration: Gregory Gundlach (marketing) and Jeffrey Bergstrand (finance), who served as *ex officio* member this year. From the College of Science: Peter Cholak (mathematics), Umesh Garg (physics), David Hyde (biological sciences), Karamjit Rai (biological sciences), and John Derwent (mathematics), who served as *ex officio* member this year. From the College of Engineering:

Nai-Chien Huang (aerospace and mechanical engineering), James Mason (aerospace and mechanical engineering), and David Kirkner (civil engineering and geological sciences), who served as *ex officio* member this year. From the School of Architecture: Dennis Doordan, who actually resigned at midyear. From the special professional faculty: Peter Lombardo (director of continuing education). From the ROTC faculty: Thomas Runge (aerospace studies). Finally, we continue to mourn the death of our colleague John Broderick (Law School), who represented the emeriti faculty these past three years.

At the same time, we welcome new and returning members of the Faculty Senate. From the College of Arts and Letters: Randall Zachman (theology), Felicitas Munzel (Program of Liberal Studies), Theodore Cachey (Romance languages and literatures), and the outgoing chair himself (theology) have been elected to three-year terms, while Paul Down (art) and Ted Warfield (philosophy) have been elected to one-year terms. Katherine O'Brien O'Keeffe (English) was also elected to a three-year term, but she will forgo the first year of her term because she will be on leave next year, thanks to a prestigious Guggenheim fellowship. The College Council will also have to elect an *ex officio* member for next year. From the College of Business Administration: Thomas Cosimano (finance). The College Council will also have to elect an *ex officio* member for next year. From the College of Science: Mario Borelli (mathematics), Malcolm Fraser (biological sciences), Michael Mossing (biological sciences), and Mitchell Wayne (physics). Two more members of the science faculty are still to be elected, in addition to an *ex officio* member, to be elected by the College Council. From the College of Engineering: Jeremy Fein (civil engineering and geological sciences). Another faculty member is still to be elected for a second vacancy, in addition to the *ex officio* member to be elected by the College Council. From the School of Architecture: Donald Sporleder, for a two-year term. From the library: Laura Bayard. From the professional faculty: Ava Preacher

(assistant dean in the College of Arts and Letters), and Eugene Lauer (director of the Center for Continuing Formation in Ministry). From the ROTC faculty: Russell Pickett (naval science). And from the emeriti faculty: Granville Cleveland (Law School).

3. When I announced at the meeting of March 4 that I would not be a candidate for reelection as chair of the Faculty Senate, I gave two reasons for that decision: (1) I have served in this office for three consecutive terms and it is time for another member to have the opportunity to lead this body. (2) Moreover, it is not healthy for the Faculty Senate to become too closely identified with a single member of the faculty. I still believe these reasons to be valid, and especially the second one. I look forward to working with my successor, Professor Michael Detlefsen of the Department of Philosophy, as a member of the Executive Committee in my capacity as immediate past chair.

I look back on those three years of service with some measure of satisfaction. I believe that our meetings have been conducted efficiently and fairly, in accordance with Robert's Rules of Order, and that our discussions and debates have generally been at a qualitatively high level and without undue length. I am pleased that the senate's recent activities have attracted increased attention from the wider Notre Dame community. Many members of the faculty have assured me, over these past three years, that they look forward to reading the executive summaries that are circulated soon after each senate meeting, as well as the journals that are published some weeks later in *Notre Dame Report*. Given the senate's right of agenda, there have been a number of important issues that we have required the Academic Council to address and act upon during this three-year period. I think, for example, of the changes in the process of faculty appeals and grievances, in the appointment of vice presidents and associate provosts, in the composition of the Faculty Board on Athletics (whose membership, thanks to the senate, now has a majority of elected faculty), in the incorporation of a new state-

ment of principles on intercollegiate athletics in the University Policies section of the *Faculty Handbook*, and in the restructuring of the Faculty and Students Committee on Women Faculty and Students (a process begun under my predecessor, Richard Sheehan). The Faculty Senate was also responsible for bringing other important matters to the attention of the administration and the Notre Dame community, such as the status of staff employees, health care benefits for faculty and staff, the problem of discrimination based on sexual orientation, including the rights of gay and lesbian students to University recognition and support, the need for representation of the adjunct faculty in University governance, and the need for wider faculty input in the process of the evaluation of deans and directors. A singular contribution and accomplishment of the Faculty Senate during these past three years was the establishment of the Notre Dame Forum on Academic Life.

It has been an honor to serve the faculty as chair of the Faculty Senate for three consecutive terms. I look forward now to the opportunity for continued service as a newly re-elected member of that body and as a continuing member of its Executive Committee.

Appendix B

Resolution in Honor of Theodore M. Hesburgh, C.S.C.

Whereas Father Theodore M. Hesburgh, C.S.C., was president of the University of Notre Dame from 1952 until 1987, and has been president emeritus since 1987; and

Whereas, under Father Hesburgh's leadership, governance of the University of Notre Dame was transferred from the founding religious community, the Congregation of Holy Cross, to a predominantly lay Board of Trustees in 1967, and women were admitted for the first time to the undergraduate program in 1972; and

Whereas Father Hesburgh was instrumental in founding the Kellogg Institute for International Studies and the

Kroc Institute for International Peace Studies in 1979 and 1985 respectively, both of which are housed in the Hesburgh Center for International Studies at the University of Notre Dame; and

Whereas Father Hesburgh has held fifteen U.S. presidential appointments in such areas as the peaceful use of atomic energy, Third World development, immigration, having chaired the Select Commission on Immigration and Refugee Policy from 1979 to 1981, and civil rights, having chaired the U.S. Commission on Civil Rights from 1969 to 1972; and

Whereas Father Hesburgh served as chairman of the International Federation of Catholic Universities from 1963 to 1970, and led a movement among chief executives of Catholic colleges and universities, highlighted in the Land O' Lakes statement of 1967, to secure the institutional autonomy of Catholic institutions of higher learning and the academic freedom of their faculties; and

Whereas Father Hesburgh's stature as a national and international leader in higher education has been reflected in his 134 honorary degrees, the most ever awarded to one person, the Elizabeth Ann Seton Award from the National Catholic Education Association, his co-chairing of the nationally influential Knight Commission on Intercollegiate Athletics, and his service as chair of the Board of Overseers at Harvard University from 1994 to 1996; and

Whereas Father Hesburgh has served four popes of the Catholic Church in a variety of capacities, including permanent Vatican representative to the International Atomic Energy Agency in Vienna from 1956 to 1970, and as a member of the Holy See's United Nations delegation; and

Whereas Father Hesburgh received the Medal of Freedom, the nation's highest civilian honor, in 1964; and

Whereas these achievements and honors are only a portion of Father Hesburgh's extraordinary lifetime

record of service to higher education, the Church, the nation, and the international community; and

Whereas Theodore M. Hesburgh, C.S.C., will be 80 years of age on May 25, 1997;

Be it therefore resolved that the Faculty Senate of the University of Notre Dame honor Father Theodore M. Hesburgh, C.S.C., on the occasion of his forthcoming 80th birthday, for all that he has contributed to higher education, the Church, the nation, and the global community; and

Be it further resolved that the Faculty Senate express the profound and abiding appreciation of the entire Notre Dame faculty for all that Father Hesburgh has done to make the University of Notre Dame the kind of institution it is today, having placed it in the forefront of Catholic universities, not only in the nation but around the world.

Passed unanimously
April 29, 1997

Appendix C

April 10, 1997

Mr. Roger V. Mullins
Associate Vice President for Human Resources
200A Security Building
University of Notre Dame

Dear Roger:

Thank you for your letter of April 1 in reply to my previous inquiry, on behalf of the Faculty Senate, regarding health care benefits for birth control. I shared your response with the full Senate at its meeting of April 2 and invited members, particularly those on the Benefits Committee, to make recommendations for my response.

Four questions immediately surfaced from the floor that evening: What do the insurance policies actually say? Is the benefit known to all of the insured? Is the insurance provider

aware of our practice in this matter? Can the University impose Catholic moral standards on non-Catholics?

The acting chair of the Benefits Committee, Prof. Michael Hemler of the Department of Finance and Business Economics, has just sent me three sets of questions derived and distilled from a discussion within that committee. He assures me that he tried to frame the questions in such a way that you would feel them to be constructive, not confrontational. I hope you will agree, Roger, that the questions are, indeed, constructive rather than confrontational.

The first set of questions elaborates upon a question raised from the floor, that is, what exactly is said *in writing* regarding coverage for birth control in the policies issued by various carriers? Are there differences across carriers and, if so, what are they? Moreover do the carriers have any explicit written listings of situations or circumstances in which birth control coverage was granted? If such written listings are not currently available, can they be made available to interested policyholders in the near future? If not, why not?

The second set of questions from the Benefits Committee concerns the process of consultation you follow in doubtful cases. Is there a formal, detailed description of this process available to policyholders? If no such description exists at present, can one be made available to interested policyholders in the near future? If not, why not?

The third set of questions concerns the priests whom you consult. The Benefits Committee (and, indeed, the Senate generally) believes this to be an issue of concern to many policyholders. The committee notes that the involvement of unnamed priests in this process of consultation leaves the impression with many policyholders that priests (who generally are not medical experts) are having significant impact on medical decisions that affect policyholders personally. Even if such an impression is incorrect, the committee

believes that such a situation is undesirable and should be addressed. Is there some way that such consultation can be eliminated or changed? For example, could your office of Human Resources establish and then follow specific, detailed guidelines in order to make consultation with priests on a case-by-case basis unnecessary in most, if not all, instances? Such public guidelines would reflect input regarding Catholic moral teaching, yet help prevent any priest or group of priests from having direct and/or undue influence in any individual birth control decisions.

As Professor Hemler points out in his letter to me, the matter of health care benefits involving birth control is "an important, emotional, and potentially volatile issue for many policyholders. It clearly demands thorough investigation." Roger, the Faculty Senate would be grateful for a response from you before its next and final meeting of the academic year, on Tuesday, April 29. I hope that you can comply with this request.

As always, thank you for your cooperation and assistance.

Sincerely,

Richard P. McBrien

djs

cc: Prof. Mario Borelli
Prof. Michael L. Hemler

April 29, 1997

Richard P. McBrien, Chair
The Faculty Senate
234 Decio
Notre Dame, IN 46556

Dear Dick,

This is a follow up to your letter of April 10th regarding health care benefits for birth control. I have enclosed the Medical Plan Comparison for 1997 plan year. The medical plan comparison highlights the major provisions of

all plans available to active faculty and staff. The comparison is distributed to all participants each year during ND Flex open enrollment, which usually occurs during the month of November. You will note that birth control is covered at the bottom of page 8 and fertility testing is at the top of page 9. As you can see the language is more restrictive than the University's practice of providing coverage for birth control when medical necessity can be demonstrated. None of the current carriers (CIGNA, Family Health Plan and Partners) have explicit language concerning circumstances when birth control procedures will be covered. I will discuss the possibility of including explicit language with the carriers.

The University is not interested in imposing Catholic moral standards on non-Catholics. The medical plans are designed to provide consistent, uniform coverage to all participants. Providing different medical coverage for all participants. Providing different medical coverage for Catholics and non-Catholics would not only be inconsistent, but in all probability illegal.

Regarding the consultation process, the University is willing to formalize the procedure to be followed in reviewing cases where clarification of Catholic moral teaching is necessary. Fr. Malloy has agreed to appoint a committee to review such cases. Individuals appointed to the committee will have particular expertise in the Church's moral teachings and membership will not be limited to priests.

If I can be of further assistance please feel free to contact me.

Sincerely,

Roger V. Mullins
Associate Vice President for Human Resources

RVM/wm

Appendix D

Faculty Senate: Preliminary Treasurer's Report: 1996-97

Report by Laura Bayard, Treasurer
Through 31 March 1997:

Acct./Transaction Description	Credit	Debit	Balance
1996-97 Allocation			\$6,273.00
Miscellaneous	\$68.00		
Telephone - Toll		\$ 2.50	
Duplicating and Copying		\$1,528.34	
Food		\$ 316.70	
Postage		\$ 65.92	
Travel	\$70.00	\$ 277.78	
Supplies		\$ 218.36	
Advertising		\$ 283.26	
Gifts		\$ 250.00	
Social Security		\$ 19.12	
Entertainment		\$1,348.19	
Office Equipment		\$ 109.49	
TOTAL EXPENDITURES as of 3/31/97		\$4,419.66	
TOTAL CREDITS as of 3/31/97	\$138.00		
BALANCE as of 3/31/97			\$1,991.34

April/May/June 1997 projected adjustments to budget:

Acct./Transactions Description	Credit	Debit	Balance
BALANCE as of 3/31/97			\$1,991.34
Miscellaneous (erroneous credit)		\$ 68.00	
Travel (erroneous credit)		\$ 70.00	
Entertainment		\$1,350.00	
Food		\$ 40.00	
Duplicating and Copying		\$ 100.00	
Supplies		\$ 50.00	
PROJECTED TOTALS	\$0	\$1,678.00	
PROJECTED BALANCE: 30 JUNE 1997			313.34

Appendix E

Memorial Resolution in Honor of Professor John Houck

Whereas Professor John W. Houck served on the faculty of the College of Business Administration of the University of Notre Dame for 39 years from 1957 to 1996; and

Whereas Professor John Houck received his bachelors degree from the University of Notre Dame in 1953 and earned the J.D. degree from the Notre Dame Law School in 1955 and held an M.B.A. degree from the University of North Carolina at Chapel Hill and a Master of Laws degree from Harvard University; and

Whereas Professor John Houck was co-director of the Center for Ethics and Religious Values in Business in the College of Business Administration and attempted to strengthen the Judeo-Christian ethical foundations in business and public policy decisions by fostering dialogue between academic and corporate leaders and by research and publications; and

Whereas Professor John Houck was a Ford and Danforth Fellow; and

Whereas Professor John Houck was awarded the prestigious Reinhold Niebuhr Award by the University of Notre Dame; and

Whereas Professor John Houck's inquiring mind and broad interests made him truly a Renaissance man in a period of over specialization; and

Whereas Professor John Houck was an active member of the South Bend community when he worked closely with the Catholic Interracial Council, the Urban League and the Mental Health Association as well as serving as President of the Board of Education of St. Joseph's High School and being a strong force for the cause of the ordination of women in the Catholic Church;

Be it therefore resolved that the Faculty Senate of the University of Notre Dame express its affection and esteem for its late colleague, John Houck; and

Be it further resolved that the Faculty Senate express its deep appreciation for the many contributions made by Professor Houck to the University of Notre Dame and particularly to the College of Business Administration during his time of service on its faculty and to the lasting influence he has left to those who continue to work to raise the standard of ethical behavior in the business world and life in general; and

Be it further resolved that the Faculty Senate observe a moment of silence in grateful memory of Professor John Houck; and

Be it further resolved that a copy of this resolution be sent to Professor Houck's widow, Mary, his children, Christopher, Monica and Gregory, and to the faculty of the College of Business Administration of the University of Notre Dame.

Passed unanimously
April 29, 1997

Correction

For the period June 1, 1997, through June 30, 1997

Mathematics

Joachim Rosenthal

Algebraic Methods in Systems Theory

National Science Foundation

\$35,000

12 months

Awards Received and Proposals Submitted

For the period August 1, 1997, through August 31, 1997.

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	1,071,795	12	1,153,341	16	2,225,136
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	30,000	1	155,513	2	185,513
Service Programs	0	0	2	1,709	2	1,709
Other Programs	0	0	1	20,000	1	20,000
Total	5	1,101,795	16	1,330,563	21	2,432,358

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	334,358	22	2,721,209	25	3,055,567
Facilities and Equipment	0	0	1	436,462	1	436,462
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	0	0	1	0	1	0
Total	3	334,358	24	3,157,671	27	3,492,029

Awards Received

In the period August 1, 1997, through August 31, 1997

AWARDS FOR RESEARCH

Anthropology

Michelle A. Murphy

Race, Ethnicity, Social Class and Power in the Hispanic Caribbean

Department of Education

\$48,022 18 months

Biological Sciences

David W. Severson

Fogarty International Research Collaboration Award

National Institutes of Health

\$22,100 12 months

Civil Engineering and Geological Sciences

Ahsan Kareem and Jeffrey C. Kantor

Semi-Active Liquid Dampers

National Science Foundation

\$64,440 36 months

Chemistry and Biochemistry

Francis J. Castellino

Structure-Function Studies on Plasminogen and Plasmin

National Institutes of Health

\$402,816 12 months

Richard E. Taylor

Oligocyclopropanes from Homo-Allylic Cations

American Chemical Society

\$20,000 25 months

Cushwa Center for the Study of American Catholicism

R. Scott Appleby

The Changing Shape of American Catholicism in the 20th Century

Lilly Endowment, Inc.

\$683,080 36 months

Computer Science and Engineering

Peter M. Kogge and Jay B. Brockman, et al.

Scalable Spaceborne Computing Using PIM Technology

Jet Propulsion Laboratory

\$150,000 11 months

Peter M. Kogge

PIM Prototype System Demonstrator

Lockheed Martin Corporation

\$25,908 5 months

Electrical Engineering

Panos J. Antsaklis

Travel Funds for Hybrid Systems V (HS97)

National Science Foundation

\$10,000 12 months

Graduate School

Peter Diffley

NDSEG Fellowship for Tracy Kijewski

SCEEE Services Corporation

\$36,725 12 months

Physics

David P. Bennett and Gerald L. Jones

Detection of Extra-Solar Planets

National Aeronautics and Space Administration

\$40,000 12 months

Malgorzata Dobrowolska-Furdyna and Jacek K. Furdyna

Optical Studies of Semiconductor Heterostructures

National Science Foundation

\$300,000 36 months

Jacek K. Furdyna and Albert-Laszlo Barabási

Self-Organized Superlattice Formation in Semiconductors

Department of Energy

\$117,864 12 months

Grant J. Mathews and James R. Wilson

Gravity Waves and Binary Neutron Star Hydrodynamics

National Science Foundation

\$50,000 12 months

Psychology

Andrea G. Backscheider

Children's Reasoning About Biological Properties

National Institutes of Health

\$35,202 12 months

John G. Borkowski and Thomas L. Whitman, et al.

Precursors of Retardation in Children with Teen Mothers

National Institutes of Health

\$218,979 12 months

AWARDS FOR INSTRUCTIONAL PROGRAMS

GEM Program

Doris Roman

Building Bridges: Enhancing Teaching and Research

National Science Foundation

\$155,513 36 months

Physics

Randal C. Ruchti

Education and Outreach for the CMS Experiment
National Science Foundation
\$30,000 36 months

AWARDS FOR SERVICE PROGRAMS

Center for Pastoral Liturgy

Sr. Eleanor Bernstein, C.S.J.

Center for Pastoral Liturgy
Various Others
\$780 1 month
Center for Pastoral Liturgy
Various Others
\$929 1 month

AWARDS FOR OTHER PROGRAMS

Graduate School

Peter Diffley

Fellowship for Tracey A. Gibson
Packard Foundation
\$20,000 12 months

Proposals Submitted

In the period August 1, 1997, through August 31, 1997

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

John E. Renaud and Stephen M. Batill

Multidisciplinary Design Subject to Uncertainty
General Motors Corporation
\$7,000 12 months

Chemical Engineering

Edward J. Maginn

Fundamental Studies of Lubricant Additives
American Chemical Society
\$20,000 24 months

William C. Strieder

Active Site Diffusion Kinetics in Finite Systems
American Chemical Society
\$90,000 39 months

Chemistry and Biochemistry

Sharon Hammes-Schiffer

Simulation of Reaction Dynamics
Department of the Air Force
\$334,292 36 months
Condensed Phase Reaction Dynamics
Sloan Foundation
\$35,000 24 months
Proton, Hydride, and Proton-Coupled Electron Transfer
Research Corporation
\$50,000 60 months

Gregory V. Hartland

Sloan Foundation Award
Sloan Foundation
\$35,000 24 months

Thomas L. Nowak

NMR Studies of Metals in Kinases and Related Enzymes
National Institutes of Health
\$283,271 12 months

Slavi Sevov

Solid State Chemistry of the Negative Oxidation States
Research Corporation
\$50,000 12 months

Richard E. Taylor

Synthetic Methods for Diversity Generation
Research Corporation
\$50,000 12 months

Computer Science and Engineering

Danny Z. Chen

Advanced Algorithms for Team Route Planning
Lockheed Martin Corporation
\$25,017 12 months

Peter M. Kogge and Vincent W. Freeh

System Concepts for PIMs
Lockheed Martin Corporation
\$29,018 12 months

Andrew Lumsdaine and Nikos P. Chrisochoides, et al.

Scalable Meta-Computing
National Science Foundation
\$328,547 12 months

Electrical Engineering

Douglas C. Hall and Gregory L. Snider, et al.

Compound Semiconductor Oxide MOSFETs: Interface Studies
Department of the Air Force
\$701,045 36 months

Government and International Studies

Michael Coppedge

Compilation of a Handbook of Political Science Indicators
National Science Foundation
\$86,252 31 months

Martin R. Saiz and Benjamin F. Radcliff

Is Democracy Color-Blind?
National Science Foundation
\$220,542 36 months

German and Russian Languages and Literatures

Thomas G. Marullo

Twilight of Emigre Russia (1934-1953). A Bunin "Diary."
National Endowment for the Humanities
\$80,725 15 months

Mathematics

Bei Hu

Nonlinear PDE and Free Boundary Problems
National Science Foundation
\$59,890 36 months

Hong-Ming Yin

Nonlinear Partial Differential Equations and Applications
National Science Foundation
\$94,662 36 months

Physics

James A. Glazier

National Young Investigator Award
National Science Foundation
\$23,758 12 months

A. Eugene Livingston

Highly-Charged Ions in an Electron Beam Ion Trap
National Institute of Standards and Technology
\$27,329 6 months

John M. LoSecco and William D. Shephard

Research in CP Violation in the B Meson Sector
Department of Energy
\$312,873 12 months

Uri Sarid

Phenomenology of Supersymmetric Gauge-Mediation Models
Research Corporation
\$50,000 24 months

Sociology

Richard A. Williams

The Effect of GSEs and . . . on Home Mortgage
U.S. Housing and Urban Development
\$39,986 12 months

South Bend Center for Medical Education

Edward E. McKee

Effect of Antibiotics on Mitochondrial Protein Synthesis
Upjohn Company
\$21,360 4 months

PROPOSALS FOR FACILITIES AND EQUIPMENT

Computer Science and Engineering

Andrew Lumsdaine and Robert L. Stevenson, et al.

Scalable Meta-Computing
Department of the Air Force
\$436,462 12 months

PROPOSALS FOR OTHER PROGRAMS

Biological Sciences

Nora J. Besansky

Minority Predoctoral Fellowship Program — NIGMS
National Institutes of Health
\$0 12 months

Awards Received and Proposals Submitted

In the period September 1, 1997, through September 30, 1997

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	403,585	21	1,565,649	26	1,969,234
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	197,600	0	0	1	197,600
Service Programs	0	0	4	123,591	4	123,591
Other Programs	<u>1</u>	<u>12,500</u>	<u>2</u>	<u>36,000</u>	<u>3</u>	<u>48,500</u>
Total	7	613,685	27	1,725,240	34	2,338,925

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	55,371	25	10,735,088	27	10,790,459
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	10,000	1	26,332	2	36,332
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	3	65,371	26	10,761,420	29	10,826,791

Awards Received

In the period September 1, 1997, through September 30, 1997

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

Thomas J. Mueller and Robert J. Minniti Jr.

Piezoelectric Sensors on a Four Bladed Propeller
Cambridge Acoustical Associates, Inc.
\$12,009 12 months

John E. Renaud and Steven M. Batill

Multidisciplinary Design Subject to Uncertainty
General Motors Corporation
\$7,000 48 months

Architecture

I-Kwang Chang

An Intelligent 3-D Base Isolation System
National Science Foundation
\$60,000 12 months

Biological Sciences

Frederick W. Goetz Jr.

Ovulation Specific Proteins in Brook Trout Ovary
Department of Agriculture
\$190,000 49 months

Gary A. Lamberti

Aquatic Production in Kissimmee River Floodplain System
Florida Atlantic University
\$7,500 48 months
Effect of Stormwater Filters on Stream Temperature
St. Joseph County Drainage Board
\$1,024 9 months

Center for Civil and Human Rights

Garth Meintjes

International Criminal Tribunal for former Yugoslavia
Program
J.D. and C.T. MacArthur Foundation
\$150,000 24 months

Civil Engineering and Geological Sciences

Peter C. Burns

Immobilization of Radionuclides in Alteration Phases
Department of Energy
\$632,487 36 months

Stephen E. Silliman

Particle Transport Through Heterogeneous Porous Media
Department of Energy
\$47,516 12 months

Billie F. Spencer Jr. and Michael K. Sain

Magnetorheological Dampers
National Science Foundation
\$80,064 36 months

Chemical Engineering

Albert E. Miller and Hsueh-Chia Chang

Electrochemical Self-Organization
National Science Foundation
\$73,334 12 months

Electrical Engineering

Daniel J. Costello and Oliver Collins

Turbo Coding for Mobile Channels
Motorola
\$19,703 12 months

Gregory L. Snider and James L. Merz, et al.

Characterization of Single and Coupled Quantum Dots
National Science Foundation
\$158,640 12 months

Robert L. Stevenson and Daniel J. Costello, et al.

Transmission of Image Data Over Low-Bit-Rate Noisy
Channels
Motorola
\$21,976 12 months

Graduate School

Peter Diffley

Graduate Research Fellowship for Margaret J. Roe
National Science Foundation
\$24,500 12 months
Graduate Research Fellowship for Chever H. Kellogg
National Science Foundation
\$24,500 12 months
Graduate Research Fellowship for A. Dey
National Science Foundation
\$1,069 12 months
Graduate Research Fellowship for Nazarin
National Science Foundation
\$24,500 12 months
Graduate Research Fellowship for Joshua S. Tullis
National Science Foundation
\$24,500 12 months

Jacques Maritain Center

Ralph M. McInerney

Bradley Fellows Program '97-98
Lynde and Harry Bradley Foundation
\$30,000 12 months

Mathematics

William G. Dwyer and Lawrence R. Taylor, et al.

Algebraic and Geometric Topology
National Science Foundation
\$109,000 36 months

William G. Dwyer

Polish-American Cooperative Research Proposal
National Science Foundation
\$20,100 16 months

Physics

Carol E. Tanner

Precision Measurements of Atomic Lifetimes
Department of Energy
\$135,000 12 months

David P. Bennett and Terrence W. Rettig, et al.

Search for Extra-Solar Planets via Gravitational
Microlensing
National Science Foundation
\$57,779 12 months

Sociology

Richard A. Williams

The Effect of GSEs and . . . on Home Mortgage
U.S. Housing and Urban Development
\$39,986 12 months

South Bend Center for Medical Education

Edward E. McKee

Potential Mechanism of Toxicity
I.U. School of Medicine
\$17,047 4 months

AWARDS FOR INSTRUCTIONAL PROGRAMS

O.S.I.P.A.

Mario Borelli

CANDAX MCNAIR
Department of Education
\$197,600 12 months

AWARDS FOR SERVICE PROGRAMS

Center for Continuing Formation in Ministry

Rev. Eugene F. Lauer

Center for Continuing Formation in Ministry
Various Others
\$78,935 1 month
Center for Continuing Formation in Ministry
Various Others
\$38,574 1 month

Center for Pastoral Liturgy

Sr. Eleanor Bernstein, C.S.J.

Center for Pastoral Liturgy
Various Others
\$4,687 1 months
Center for Pastoral Liturgy
Various Others
\$1,395 1 months

AWARDS FOR OTHER PROGRAMS

Computer Science and Engineering

Nikos Chrischoides

P.O.R.T.S. Conference
National Science Foundation
\$19,500 12 months

College of Engineering

Anthony N. Michel

Student Travel Program
National Science Foundation
\$16,500 6 months

Graduate School

Peter Diffley

1997-98 Fellowship for Melissa Wilkerson
National Physical Science Consortium
\$12,500 12 months

Proposals Submitted

In the period September 1, 1997, through September 30, 1997

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

Thomas J. Mueller

Flow Physics for Wings at Very Low Reynolds Numbers
Department of the Navy
\$254,263 24 months

John E. Renaud and Stephen M. Batill, et al.

IGERT — Multidisciplinary Optimization
University of Florida
\$546,400 60 months

Simulation Uncertainty in Multidisciplinary Design
National Science Foundation
\$693,193 36 months

Michael M. Stanisic

Animation of a Dextrous Manipulator
National Science Foundation
\$5,000 8 months

Flint O. Thomas and Robert C. Nelson

Wake Development and Structure in Adverse Pressure
Gradient
National Aeronautics and Space Administration
\$50,371 12 months

Biological Sciences

John G. Duman and Michelle A. Murphy

REU Site Program for Undergraduate Research
National Science Foundation
\$180,412 36 months

Paul R. Grimstad

Cache Valley Disease: Vector-Virus-Host Relationships
National Institutes of Health
\$402,478 12 months

David M. Lodge

Fulbright Research in Kenya
Council International Exchange of Scholars
\$30,000 6 months

Thomas S. Vihtelic

Zebrafish *Belladonna* (bel) Retina Characterization
National Institutes of Health
\$102,410 12 months

Civil Engineering and Geological Sciences

William G. Gray and Andrew Lumsdaine

Interfaces in Environmental Micro-Processes
Purdue University
\$613,920 60 months

Chemistry and Biochemistry

Sharon Hammes-Schiffer

Simulation of Proton, Hydride, and Electron Transfer
Arnold and Mabel Beckman Foundation
\$200,000 24 months

Gregory V. Hartland

Ultrafast IR Spectroscopy of Semiconductor Clusters
American Chemical Society
\$5,000 2 months

Marya Lieberman

Can Molecules do the Work in a Photovoltaic Device?
American Chemical Society
\$20,000 24 months

Slavi C. Sevov

Synthesis of Metal Boronate-Phosphonates
American Chemical Society
\$20,000 24 months

Richard E. Taylor

Synthetic Methods for Diversity Generation
Arnold and Mabel Beckman Foundation
\$200,000 24 months

J. Kerry Thomas

Photochemistry at Surfaces
National Science Foundation
\$83,529 36 months

Electrical Engineering

Patrick J. Fay and Gary H. Bernstein, et al.

IGERT: A Foundation for Careers in High-Speed
Communications
National Science Foundation
\$1,955,332 60 months

Gregory L. Snider and Gary H. Bernstein

IGERT: Nanoscale Manufacturing of Electronic Materials/
Devices
Michigan Technical University
\$624,700 60 months

Romance Languages and Literatures

Theodore J. Cachey Jr.

Italian Language and Culture Video Courseware Archive
National Endowment for the Humanities
\$106,542 16 months

Mathematics

Andrew J. Sommese

Adjunction Theory of Projective Varieties
National Security Agency
\$25,631 24 months

Physics

Albert-Laszlo Barabási

Spatial Ordering of Self-Assembled Quantum Dots

Department of the Navy

\$302,100 36 months

David P. Bennett

The MACHO Project Dark Matter Search

National Science Foundation

\$89,417 36 months

H. Gordon Berry

X-ray Studies

National Science Foundation

\$414,650 36 months

Atomic Structure and Lifetime Studies

National Science Foundation

\$417,200 36 months

Jacek K. Furdyna and Albert-Laszlo Barabási, et al.

Wide-Gap II-VI Nanostructures

Boston University

\$2,994,684 60 months

Grant J. Mathews and Sun Hong Rhie

Neutron Star Binaries and Accretion Disks

National Aeronautics and Space Administration

\$312,407 36 months

Psychology

Gabriel A. Radvansky

Situation Models and Cognitive Aging

National Institutes of Health

\$140,820 12 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Chemical Engineering

Joan F. Brennecke

REU Supplement to EEC 97-00537-CRCD

National Science Foundation

\$10,000 12 months

Chemistry and Biochemistry

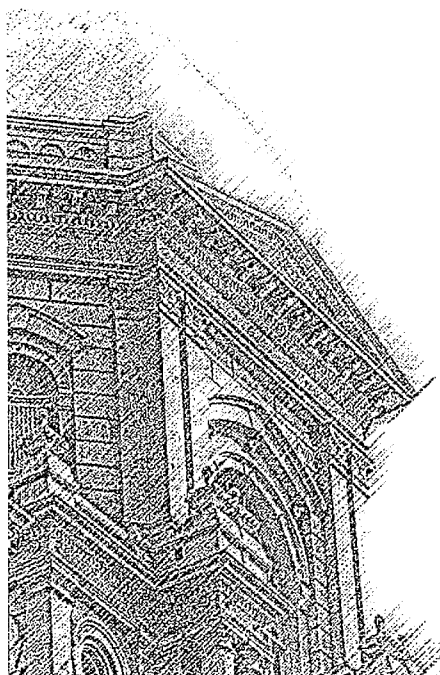
Marya Lieberman

How Science Policy is Made

C. & H. Dreyfus Foundation, Inc.

\$26,332 24 months

Notre Dame Report



Volume 27, Number 5
October 31, 1997

Notre Dame Report is an official publication published fortnightly during the school year, monthly in the summer, by the Office of the Provost at the University of Notre Dame.

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