



Notre Dame

R E P O R T

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Keough to Receive Laetare Medal

Donald R. Keough, president and chief operating officer of The Coca-Cola Company and chairman emeritus of Notre Dame's board of trustees, has been awarded the University's Laetare Medal for 1993. Keough will receive the medal, the oldest and most prestigious honor given to American Catholics, during Notre Dame's 148th Commencement exercises May 16.

A 1949 alumnus of Creighton University, Keough joined The Coca-Cola Company in 1950 and worked in a variety of positions before being named president of its foods division in 1971. He subsequently became president of Coca-Cola USA and of the company's Americas Group. He has been president and chief operating officer of The Coca-Cola Company since 1981 and chairman of Coca-Cola Enterprises Inc., the world's largest bottling system, since 1986. He will retire from these posts in April after having served two years beyond Coca-Cola's usual retirement age.

The father of five Notre Dame graduates, Keough joined a University advisory council soon after his first child's enrollment and subsequently served as chairman of the Sorin Society, which encourages unrestricted giving to the University. Elected a Notre Dame trustee in 1978, he was awarded an honorary doctorate by the University at the 1985 Commencement exercises — the same day his youngest son received his baccalaureate degree.

In October 1986 Keough was elected chairman of the University's board. During his six-year tenure in the post, he presided over the selection of Father Malloy as Notre Dame's president following the 35-year tenure of Rev. Theodore M. Hesburgh, C.S.C., officiated at the University's first-ever presidential inauguration, and served as national chairman of the University's "Strategic Moment" campaign.

Ironically, Keough also was admired during his chairmanship for his eloquent readings of the citations honoring the annual Laetare Medal winner.

Keough recently was named "Irish American of the Year" by Irish America magazine. He serves on the boards of a number of national charitable and civic organizations and, with Father Hesburgh and Notre Dame trustee Jane Pfeiffer, has been a member of the Knight Foundation Commission on the reform of intercollegiate athletics.

Law School's Trial Advocacy Team Wins Championship

The Law School's trial advocacy team captured first place in the National Trial Competition in San Antonio, Tex., March 12.

The annual event, which pits law school students arguing hypothetical cases in front of judges, began with 120 teams from 60 law schools. Twenty-two regional winners competed in San Antonio, with Notre Dame defeating Temple University in the final to win the national championship.

The Notre Dame team of Frank Kros, Dominique Camacho and Edward Sullivan was coached by Judges Sanford Brook and Jeanne Jourdan, adjunct associate professors of law. In addition to the team honors, Kros was selected by the judges and lawyer-evaluators as the nation's outstanding advocate.

The National Institute for Trial Advocacy is based at Notre Dame. Founded in 1970, NITA is dedicated to the improvement of the trial bar and has provided training to thousands of lawyers across the country. James Seckinger, professor of law, is the institute's director.

The Notre Dame Law School is rated among the top 20 in the United States and in its 123rd year is the nation's oldest law school under Catholic auspices.

Seven Professors Become Chairholders

Four endowed faculty chairs have been inaugurated and seven chaired professors have been installed.

Donald P. Kommers was installed as Joseph and Elizabeth Robbie chair in government and international studies. The editor of *The Review of Politics*, he holds a concurrent appointment in the Law School and teaches in the fields of American and comparative constitutional law, European law and institutions, and German politics.

The Robbie chair was established by Joseph Robbie in memory of his son, Dr. David L. Robbie, a 1966 cum laude graduate of Notre Dame who died in 1976. A native of South Dakota, Joseph Robbie practiced law early in his career and was active in urban governmental planning in Minneapolis. In 1965 he founded the Miami Dolphins National Football League team. Joseph Robbie was a member of the Advisory Council for the College of Arts and Letters. He died in 1990, and his wife Elizabeth died in 1991.

George M. Marsden, immediate past president of the American Society of Church History, was installed as Francis A. McAnaney professor of history. An authority on the history of fundamentalism in American Christianity, Marsden has done research encompassing the history of American Christianity, ranging from the 17th century to the present.

The McAnaney chair was established in 1987 by the Peter B. and Adeline W. Ruffin Foundation to honor Rev. Theodore M. Hesburgh, C.S.C., for his 35 years as president of Notre Dame and to recognize Francis A. McAnaney's many years of legal service to the Ruffin family. McAnaney, a 1929 magna cum laude graduate of Notre Dame, received his law degree from Harvard Law School and established a law practice in New York City, where one of his major clients was Peter B. Ruffin, a real estate developer who built New York's Mobil, Merrill Lynch and American Can buildings.

John Christian Olsen III, a specialist in the regulation of corporate disclosure and the use of corporate information releases by investors, was installed as Arthur Andersen & Co. Alumni professor of accountancy. Graduated from Southern Methodist University and the holder of a doctoral degree from Stanford, Olsen comes to Notre Dame from the accounting faculty of the University of Texas at Austin.

The Arthur Andersen & Co. Alumni chair was established by gifts from Notre Dame alumni and friends associated with Arthur Andersen & Co. and matched by the Arthur Andersen & Co. Foundation.

Rabbi Michael A. Signer was installed as Abrams professor of Jewish thought and culture. A specialist in the history of Jewish-Christian relations as reflected in Christian and Jewish interpretation of the Hebrew scriptures in the medieval and modern periods, he was educated at the University of California at Los Angeles, Hebrew Union College, and the University of Toronto, where he earned his doctorate in medieval studies. He was ordained a rabbi in 1970.

F. Richard Ciccone, *Chicago Tribune* managing editor for the past decade, is the visiting W. Harold and Martha Welch professor of American studies. Under his charge the *Tribune* won a Pulitzer Prize in 1988 for its coverage of the Chicago City Council, and in 1989 his newspaper's coverage of the savings and loan debacle won the Associate Press Managing Editors Public Service Award. A 1961 Notre Dame graduate, he co-authored the book *Who Runs Chicago*.

Georges Enderle, a widely-noted business philosopher, is the visiting Arthur F. and Mary J. O'Neil professor of international business ethics. A member of the faculty of the University of St. Gallen in Switzerland, he has taught both ethics and economic theory. He was educated in philosophy at the Philosophische Hochschule in Munich, Germany, and also studied at the Faculte de Theologie in Lyon, France. He has earned two doctorates — in economics from the University of Fribourg (Switzerland) and in business ethics from the University of St. Gallen.

The O'Neil chair in international business ethics was established by a 1935 alumnus, Arthur F. O'Neil, and his wife, Mary. O'Neil began his career at the W.E. O'Neil Construction Co. in Chicago, a business founded by his father. He served as the firm's president from 1947 to 1973 and as chairman of the board from 1973 to 1981. Mary Jobst O'Neil attended Bradley University before the O'Neils were married in 1935 and has been active in a number of Chicago-area charities.

James J. Olsen, chief scientist of the 600-person Flight Dynamics Directorate at the United States Air Force's Wright Laboratory, is the visiting Melchor professor of aerospace and mechanical engineering. He oversees aerodynamics, flight control, aircraft structures and dynamics, and subsystems, such as landing gear and canopies, at the laboratory. Educated at the University of Minnesota and Ohio State University, he specializes in aeroelasticity, unsteady aerodynamics and fine element methods for structural and dynamic analysis and design.

The University has established 110 endowed chairs, 71 of which are fully funded and filled.

Faculty Notes

Honors

James T. Cushing, professor of physics, has been named to the editorial board of *Foundations of Physics Letters*.

George A. Lopez, acting director of the Kroc Institute and professor of government and international studies, has been appointed to a three-year term on the editorial board of the *Mershon International Studies Review*. The *Review*, a journal of the International Studies Association which will appear as a supplement to *International Studies quarterly*, will publish essays on trends and controversies in the field and provide comparative and timely reviews of important new books in international affairs.

Anthony N. Michel, McCloskey dean and Freimann professor of engineering, is on the editorial board of *PARITANTRA*, a journal published by the Systems Society of India.

Juan M. Rivera, associate professor of accountancy, has been elected president of the Business Association of Latin American Studies for the 1993-94 academic term.

James I. Taylor, associate dean of engineering and professor of civil engineering and geological sciences, was appointed chairman of the Roadway Environment Committee of the National Safety Council for 1993, and thereby a member of the Highway Traffic Safety Division Executive Committee. He was appointed chairman of a committee titled "Study of Quality Assurance Mechanisms for the University Transportation Centers Program" for the Transportation Research Board of the National Research Council, the principal operating agency of the National Academy of Sciences and the National Academy of Engineering.

John J. Uhran Jr., associate chairperson and professor of computer science and engineering and of electrical engineering, was re-elected chair for the IL/IN Section of the ASEE for the year 1993-94.

William L. Wilkie, Nathe professor of marketing, has been named to receive the inaugural JPP&M Award for the best paper appearing in this journal during the period 1982-86, for his article "Affirmative Disclosure at the FTC: Objectives for the Remedy and Outcomes of Past Orders" (1985).

Activities

John H. Adams, assistant professor of biological sciences, was an invited speaker for the departmental seminar "Intergenic Recombination of the Duffy Binding Protein Gene Family of *Plasmodium knowlesi*" and for a graduate course in "Experimental Parasitology" to the Department of Veterinary Pathobiology at Purdue University in West Lafayette, Ind., March 4-5.

Hafiz M. Atassi, professor of aerospace and mechanical engineering and co-director of the Center for Applied Mathematics, presented an invited lecture titled "Unsteady Aerodynamics of Vortical Flows: Early and Recent Developments" at the symposium on Aerodynamics and Aeroacoustics in Tucson, Ariz., March 1-2.

Hsueh-Chia Chang, chairperson and professor of chemical engineering, presented an invited lecture tour of Taiwan Universities by the National Science Council of the Republic of China. He lectured on "Spatio-Temporal Chaos and Control on a Catalytic Wafer" at the National Taiwan Institute of Technology in Taipei, Dec. 22. He presented "Heat Transfer Enhancement by Chaotic Mixing" at the National Taiwan University in Taipei, Dec. 22, and at the National Tsing Hua University in Hsinchu, Dec. 23. He gave the presentation "Interfacial Chaos" at the Tunghai University in Taichung, Dec. 23. Chang presented "Instabilities in Free Convection Near a Heated Plane," "Displacement of Liquid by Air Bubbles in Capillaries" and "Spatio-Temporal Chaos and Control on a Catalytic Wafer" to the Chemical Engineering Department at the National Cheng Kung University in Tainan, Dec. 26, 28, 30. He presented "Heat-Transfer Enhancement by Chaotic Mixing" to the Aeronautical Department and "Interfacial Chaos" to the Mechanical Engineering Department of the National Cheng Kung University in Tainan, Dec. 31.

Sr. Regina A. Coll, C.S.J., associate professional specialist in theology, gave the Hesburgh Lecture "What do Women Want, Anyway?" to the Notre Dame Club in Tucson, Ariz., Feb. 7.

Fred R. Dallmayr, Dee professor of government and international studies, presented a paper on "Modes of Cross-Cultural Encounter" at the second biennial conference of the Latin American Consortium held at Indiana University in Bloomington, Ind., Sept. 19. He presented a paper on "Political Theory Today" at Vanderbilt University in Nashville, Tenn., Nov. 12. He presented a paper on "Global Development: The Importance of Culture" at the international symposium on the Challenges to the Third World in the 1990s at the Chinese Center for Third World Studies of the Chinese Academy of Social Sciences in Beijing, China, Nov. 25-28. Dallmayr presented a paper on "Sunnyata East and

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West: Emptiness and Global Democracy" at the annual meeting of the American Philosophical Association, Eastern Division, in New York, N.Y., Dec. 30.

Stephen M. Fallon, chairperson and associate professor in the Program of Liberal Studies and concurrent associate professor of English, organized and chaired a session on "Milton and Seventeenth-Century Philosophy, Theology, or Science" at the annual convention of the Modern Language Association in New York, N.Y., Dec. 27-30.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, delivered an invited talk titled "Interactive Control of Turbulent Flows: A Futuristic View" at the Department of Aerospace and Mechanical Engineering at the University of Arizona in Tucson, Ariz., March 9, and at the Department of Mechanical and Aeronautical Engineering at Western Michigan University in Kalamazoo, Mich., March 16. He participated as a panelist in the "Coherent Structures Framework" session of the "Nonequilibrium Turbulence: A State-of-the-Art Workshop" which was held at Arizona State University in Tempe, Ariz., March 10-12.

David R. Hyde, assistant professor of biological sciences, gave a seminar titled "Molecular Genetic Analysis of *Drosophila* Phototransduction" at IUPUI Medical School in Indianapolis, Ind., March 4.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, gave the invited seminar "Photoinduced Charge Processes in Colloidal Semiconductor Systems" at the Center for Photochemical Sciences at Bowling Green State University in Bowling Green, Ohio, March 10.

Eileen Kolman, dean of the Freshman Year of Studies and concurrent assistant professor of mathematics, gave a talk on "The Freshman Year of Studies at the University of Notre Dame" at the 12th annual conference on the Freshman Year Experience in Columbia, S.C., Feb. 19-23.

David C. Leege, professor of government and international studies and director of the Program for Research on Religion, Church and Society, delivered a paper titled "Adaptation to Shifting Cultural Paradigms: Does the Past Offer Guidance for the Future of Catholicism in the United States" to the annual convention of the National Organization for the Continuing Education of Roman Catholic Clergy in Tampa, Fla., Feb. 16. He delivered a lecture titled "The Political Behavior of American Catholics," a colloquium on "The Political Mobilization of Cultural Differences" and led a discussion with the staff of the campus Catholic parish at the University of Florida in Gainesville, Fla., Feb. 16-20.

Nicos Makris, assistant professor of civil engineering and geological sciences, presented a paper titled "A Boundary Element Formulation for Dynamic Analysis of Viscoelastic Fluid-Dampers" at the international conference titled Damping '93 in San Francisco, Calif., Feb. 24-26.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor of theology, delivered one of the two main papers "The Future of the Church and its Ministries: Imperatives for the 21st Century" at the 25th anniversary convocation of the Catholic Theological Union in Chicago, Ill., Feb. 13. He presented "Spirituality for the 21st Century" at the 10th anniversary celebration of the Archdiocesan Spiritual Life Center at St. Mary's Church in Newington, Conn., March 1. He presented the adult religious education program "Catholicism in America" at St. Rita's Church in Hamden, Conn., March 2.

Ralph M. McInerny, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, presented "The Mystery of Fiction" which was sponsored by the Newman Club at Utah State University in Logan, Utah, Feb. 23. He lectured on "Art and Morality" at the Cathedral of the Madeleine in Salt Lake City, Utah, Feb. 24. He gave the Tanner-McMurrin lecture "The God of the Philosophers" at Westminster College in Salt Lake City, Utah, Feb. 25. He gave the presidential address "The Science We Are Seeking" to the Metaphysical Society of America at the annual meeting at the University of Notre Dame, Notre Dame, Ind., March 14.

Walter Nugent, Tackes professor of history, gave the 19th annual Walter C. Schnackenburg, lecture on "The New Western History and American Traditions" at Pacific Lutheran University in Tacoma, Wash., March 3.

Charles M. Rosenberg, associate professor of art, art history and design, delivered a paper titled "To Make the Dead Seem to Live: Some Late Quattrocento Portraits by Domenico Ghirlandaio" at the University of Iowa in Iowa City, Iowa, March 8.

Jonathan R. Sapiirstein, professor of physics, gave the talk "Theory of Many-electron Atoms" at the Institute for nuclear theory at the University of Washington in Seattle, Wash., March 2.

Michael A. Signer, Abrams professor of Jewish thought and culture, theology, presented "Jews and the Western Intellectual Tradition" at the University of Tennessee Martin Honors Seminar and Academic Speakers' Program in Martin, Tenn., March 4-5. He gave the Lenten series "The Jewish Experience of Passover" at Little Flower Catholic Church in South Bend, Ind., March 22.

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Billie F. Spencer Jr., associate professor of civil engineering and geological sciences, presented a paper titled "Reliability-Based Design of Active Control Strategies" co-authored with **Michael K. Sain**, Freimann professor of electrical engineering, **Jeffrey C. Kantor**, professor of chemical engineering, and **D.C. Kaspari** at the ATC-17-1 Seminar on Isolation, Passive Energy Dissipation and Active Control in San Francisco, Calif., March 11-12.

Michael M. Stanisic, assistant professor of aerospace and mechanical engineering, presented an invited lecture titled "A Second-Order Geometric Control of Planar Path Tracking Manipulators" and served on the International Scientific Committee at the third international workshop on Advances in Robot Kinematics in Ferrara, Italy, Sept. 7-9. He presented two papers titled "Kinematic Control Equations of a Singularity-Free Manipulator" and "Curvature Theory Applied to the Path Tracking Control Problem of Manipulators" at the 1992 Design Technical Conferences in Scottsdale, Ariz., Sept. 12-16. He chaired the two sessions titled "General Robotics I" and "Mechanism Synthesis V" at the 1992 ASME 22nd Biennial Mechanisms Conference in Scottsdale, Ariz., Sept. 12-16. Stanisic presented a lecture titled "Design of a Singularity-Free Manipulator Arm" at NASA Langley in Hampton, Va., Oct. 19. He presented an invited lecture titled "Design and Control of Singularity-Free Manipulation System" at NSF in Washington, D.C., Oct. 20.

James I. Taylor, associate dean of engineering and professor of civil engineering and geological sciences, was a co-presenter of one-day seminar titled "Safety Features for Local Roads and Streets" which was sponsored by the Michigan Office of Highway Safety Planning and the Michigan Municipal League in Lansing, Mich., March 2.

Eugene C. Ulrich, professor of theology, presented a paper titled "4QJosh^a and Joshua's First Altar in the Promised Land" at the Annenberg Research Institute in Philadelphia, Pa., March 10.

Arvind Varma, Schmitt professor of chemical engineering, presented an invited graduate seminar titled "Combustion Synthesis of Advanced Materials" in the Department of Chemical Engineering at McGill University in Montreal, Canada, March 1.

Deaths

Marie K. Lawrence, part-time librarian emerita, March 9. Lawrence retired in 1974 from the Hesburgh Library and was a librarian at the Law School from 1945-66. She was the recipient of a special presidential award in 1974 from Rev. Theodore Hesburgh. She was a graduate of Indiana University, Bloomington, University of Michigan, Ann Arbor, and Columbia University, New York City. She was a member of Phi Beta Kappa, Circle of Mercy, Ladies of Notre Dame, Daughters of Union Veterans of the Civil War, Northern Indiana Historical Society, South Bend Audubon Society, Southhold Restorations, Altrusa International, American Association of Law Libraries, American Association of University Women, American Library Association and Chicago Association of Law Libraries.

Paul E. McLane, professor emeritus of English, March 8. McLane joined the Notre Dame faculty in 1946. He was graduated from Gonzaga University in Spokane, Wash., and held a doctorate from the University of Washington in Seattle. He taught at Seattle University for 13 years before coming to Notre Dame. A specialist in Spenser and Shakespeare, he was the author of the book *Spenser's 'Sheperdes Calendar': A Study in Elizabethan Allegory* and of many articles and reviews in scholarly journals, including the Huntington Library Quarterly. He was a member of the American Association of University Professors and the Modern Language Association. He was a past Grand Knight of the Seattle Council of the Knights of Columbus and a member of the Knights' Santa Maria Council 553 in South Bend.

Frank E. Sullivan, life trustee, March 21. A 1949 alumnus of Notre Dame, Sullivan was president of Frank Sullivan Associates, a South Bend insurance agency, from 1953-73. From 1973 until his retirement in 1988 he served as executive vice president, president and vice chair of Mutual Benefit Life Insurance Co. in Newark. He was appointed to the Board of Trustees in 1973. Among his many services to Notre Dame, he was national vice chair of the Strategic Moment campaign. He received an honorary doctor of laws degree from Notre Dame in 1984 and was a recipient of the Sorin Award given by the Alumni Association for distinguished service. Sullivan was a volunteer leader in a variety of civic, charitable, religious and political causes. He founded and was the first president of the United Way in South Bend and also assisted that organization in Newark. In 1987 the United Way honored him with the Alexis de Tocqueville Society Award for outstanding community service.

Administrators' Notes

Appointments

Victor DeCola has been promoted from supervisor of payroll to assistant to the comptroller for systems management. His primary responsibility will be the design and management of a new information system.

Freida D. Donnan, has been appointed director of licensing. Donnan has been managing Notre Dame's program for Champion Licensing in Rochester, N.Y., since its inception in 1983. She will now manage it internally and report to James J. Lyphout, associate vice president for business affairs.

D'Juan D. Francisco, alumni representative for the Alumni Association, has been appointed assistant director of alumni clubs.

Edward F. Hums, assistant comptroller, has been appointed director of special projects, charged with handling financial analysis and special reports for the University's officers. He will now report to James J. Lyphout, associate vice president for business affairs.

James Kieft, formerly the chief financial officer for the South Bend architectural firm Cole Associates, has been appointed assistant comptroller for accounts payable, payroll and financial reporting.

William F. McKinney, director of accounting, has been promoted to assistant comptroller. He will oversee general accounting and cashier services.

Frances L. Shavers, alumni representative for the Alumni Association, has been appointed assistant director of alumni clubs.

Activities

Timothy Truesdell, director of development research, presented "Researching Corporate and Foundation Prospects" at the regional workshop of the Council for Advancement and Support of Education at Saint Mary's College in Notre Dame, Ind., March 19.

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Faculty Senate Journal December 9, 1992

The chair, Professor Richard Sheehan, called the meeting to order at 7:02 p.m. in room 202 of the Center for Continuing Education and asked Professor Stephen Fallon to offer a prayer. He then called upon Professor John Borkowski to speak in tribute to our late colleague Professor Charles Snyder of the Psychology Department; his thoughts are printed as appendix A of the journal and will be sent to Professor Snyder's family, the provost and the Archives.

The chair asked for suggestions for our next meeting which will be the annual question-and-answer session with the provost. He informed the senate that all Colloquy subcommittee reports will be printed, probably in *Notre Dame Report*. The provost has not responded positively to our request for salary information to be broken down by rank and college for our annual compensation report; however, he will ask the expanded Provost Advisory Committee (PAC) to look into this and determine a future response. Sheehan expects a positive response next year from PAC to this request. The chair also reported that the vice president for student affairs, Professor Patricia O'Hara, has agreed to meet our student affairs committee, but one issue (Gays and Lesbians at Notre Dame/Saint Mary's College, GLNDSMC) does not appear to be open to compromise; her refusal to recognize the group appears to be definite. The chair of the student affairs committee, Professor George Lopez, added that he did not believe the University was ready to recognize this or any similar group and that the University sees no reason to budge and will in fact go to court on the issue to uphold its interpretation of the University charter. Professor Edward Vasta asked if the student group in question would go to court over the lack of recognition. Neither Lopez nor Sheehan had any knowledge that it was prepared to do so. Professor Frank Connolly thought their financial resources would preclude such a challenge, with only 40 members at \$10 per year in dues.

Sheehan also reported on this day's meeting of the Academic Council. There is an attempt to change the climate there, with more and more open discussion noticeable. Also the council has a more focussed agenda, with only one topic for consideration (the honor code). If senators have any suggestions to be brought to the council, please pass them on to the chair. The chair then asked the senate to approve the journal for November 10. Professor Paul Conway (second-Professor Phil Quinn) so moved, and the senate agreed with a number of modifications noted. Professor David Burrell, C.S.C., (second-Quinn) moved approval of the October 28 journal, and the senate agreed with some modifications.

The chair moved on to a report of the summer administrative — faculty working committee. The provost on Decem-

ber 1 distributed a memo to all faculty detailing the efforts of this committee (printed as appendix B). Sheehan discussed with the provost the jurisdictional question; the committee was technically not a creation of the senate, but the senate does want to evaluate the results of its work, to put our concerns and agreements on record. The executive committee presented a resolution (no second necessary) to prompt the discussion (printed as appendix C).

Burrell spoke as a member of the committee and chair of the elected faculty committee which recommended a year ago the restructuring of the Academic Council, saying he was pleased with the historic step taken to enhance faculty participation in governance; it is an achievement for the senate to celebrate. If there are disagreements, these should also be expressed. Quinn, also on the committee, said it was not all he had hoped for but more than he thought possible. He had wanted to exclude from PAC those who were not the peers of these faculty they would evaluate for promotion and tenure, and he wanted deliberations on academic priorities more open and public. But adding the five new faculty will more than counterbalance the administrators on PAC, and these additional members will have access to confidential information. There is clearly a demonstration of willingness on the part of the administration to share information and even as an advisory body it will have power, if only to ask why its advice hasn't been accepted. The faculty can hold the administration more accountable, and its credibility is even more at stake. It is a genuine step forward.

Professor Paula Higgins, while applauding these efforts, still had strong concerns: The "full professor" restriction virtually excludes women faculty and those new people who may have new ideas; the joint working committee as well as PAC has no women or people of color. Several senators mentioned that women are represented on PAC. Conway too had argued that associate professors should be eligible so that women and minorities might be better represented, but there was no give on this by the administration; nor was there any give on eliminating excess administrators from PAC (even though by eliminating some, this might reduce the number of women left on the PAC). For professor Michael Detlefsen the crucial point was to weaken the constraints on confidentiality; if we are to assess this committee and our representatives on it, we must have voting records. The faculty can always be outvoted with no recourse. Without such a provision on access to the votes, we would be entering into a dangerous situation: It looks like we are getting something, but we are not.

Professor David O'Connor asked if it would make sense for the Faculty Senate to amend the details of the agreement now and start the process again; his view was that it would be a bad mistake, although he does not agree with everything in it. The structures are experimental and subject to review in five years; that would be the time to debate these

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issues. Also we ought to embrace the opportunity we have to make substantial changes. He had some concerns on confidentiality, but it would be the job of the faculty members to avoid the pitfalls Detlefsen pointed out. The reports should be able to make clear what differences exist. Burrell said nobody in the University takes roll call votes, and Detlefsen thought this was the time to start. Burrell did not agree.

For Professor William Eagan, last spring's issues remained unresolved and no progress has been made. As long as these bodies are advisory, and we have no input to budgetary matters, we have no impact and our voice will remain unheard. Vasta applauded the work of the committee, and this achievement should be celebrated. We should let it work, but it is also true that what was done was consistent with University tradition: Establish a committee, and put faculty members on it. However, the administration is still autocratic, still secret and the faculty is still overwhelmed by its authority. Our job is to move to the future and try to redesign governance with community-oriented and publicly accountable policies. We should have rules, laws, policies, and procedures, not committees. Connolly asked Detlefsen about his point on confidentiality, with which he had some agreement, but where is the line? To Detlefsen, confidentiality was necessary for promotion and tenure questions. Connolly thought its extent was greater, and the expanded number of faculty on PAC was good. Detlefsen called it a stacked deck.

Lopez saw this agreement as an achievement but also as smoke and mirrors — which sometimes can trap those who set them up. He called for a constant monitoring of the new PAC, not just at the end of the five-year period; we should invite the elected faculty on it to meet with us periodically to ask how it is working and make sure we elect the best faculty we can to this PAC. The administration probably has little idea how this will work; we can shape it. Finally what happens when the University has to look for a new provost? We must make sure the PAC is on the search. What he called "the dimensions of change" can work for us.

Borkowski, a member of the working group, saw advantages in the agreement. Since the University does not do strategic planning in any organized way, this expanded PAC is one way to get at that lack, and the faculty will have both input and impact. Second, the question of continuity is important; this PAC will set and maintain standards, in the face of changing provosts, deans and so on. Speaking on confidentiality, he recalled an experience in 1977 when faculty members sat in on tenure decisions at the highest levels, and in no case was the split between faculty and administration; in every case some of each were on both sides; "we/they" will not take place. In addition, the College Councils, which will be doing some strategic planning, and their people will be in on these kinds of decisions. Finally, he did not foresee PAC taking "votes," but instead building consensus.

A guest of the senate and former senator, Professor Frank Bonello was a member of the summer committee and was recognized to speak. He thought it unwise to have associate professors sitting in on promotions to full professors. There was an idea to have two committees (expanded PAC plus a strategic planning group) but this was discarded in favor of the continuity that one committee would have. He saw us as potentially hurt by our history, but it is changing and we will in a few years have wider choices. This is an experiment, which we can help make work. Detlefsen, replying to Lopez and Borkowski, did not see the grounds for their optimism, but he hoped they were right. But for him, assuming we elect our best "people of honor," they are bound by the terms of confidentiality and in conscience cannot give us the information we need. On votes, he did not fully expect to see such results; he would be satisfied with a journal similar to the senate's to provide information. Vasta asked what information the various committees of Colloquy 2000 received. Sheehan said his committee on finances got anything it asked for. Connolly, returning to the motion, thought a critical statement would not work, but one of approval which listed our concerns on confidentiality and the number of administrators on PAC would be appropriate, to which Detlefsen agreed.

Burrell thought perhaps confidentiality was something of a "red herring." The goal of restructuring the Academic Council was to provide a forum where faculty and administrators would discuss issues *candidly*. This is the same goal we should seek for PAC, and having a name attached to an opinion in a report or journal would not enhance that prospect. Conway asked about the timing of the provost's letter; it was his impression that the summer committee would send its report to the senate for discussion and transmittal. The way it was handled by the provost was not in keeping with his understanding.

The chair asked the senate if it wished to break for committee meetings. The senate decided to continue this discussion. Connolly moved to send the resolution to the administrative affairs committee and ask them to report a generally favorable resolution at our next meeting. Quinn pointed out a motion was already on the floor. Higgins (second by Conway) moved to table the executive committee's motion, and the senate did not agree to this. The discussion continued.

Lopez thought we were close to agreement; to send this resolution to committee for action in several months would be a mistake. That is too long a delay. We have to do something tonight. Vasta asked if our first move should not be to consult with the College Councils, then endorse or not. We should hear some faculty discussion. Professor Clark Powers agreed we are close to agreement; perhaps in the resolution "endorse" is not the right word. Last spring we did not give up our idea of governance, only the specific "no-confidence" resolution. We can tonight make amend-

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ments. Sheehan asked if "accept" would be a better word. Power wanted something even softer. Connolly proposed "positive step." Higgins thought there were too many absentees tonight. The agreement is a positive step, but she asked for more information, especially the names of the elected members, which was available. Vasta thought that "acknowledge" should replace "endorse."

O'Connor believed there were lots of ways we can change governance. The one before us is one way, and a way that puts the faculty in a position to do the work and make a difference. We should endorse it and go to work, instead of trying to fine tune it. Connolly moved to ask the administrative affairs committee to re-work the resolution to take into account these factors: endorse or another word, confidentiality, and the number of administrators. The senate agreed to take a 15-minute break to allow the committee to revise the resolution.

After the break, Power reported on the committee's friendly amendment to point A, which the executive committee accepted (the revised resolution is printed as appendix D). O'Connor thought the second clause would be unwise if it meant that the full professor restriction was improper. Eagan repeated that the provost's 12/1/92 letter indicates no change at all in the administration's attitude. Quinn replied that the summer committee asked O'Meara and Quinn to draft the letter which they did. Borkowski spoke against the third clause as excluding the wrong people; are we excluding the very people, for instance, who most value teaching? Vasta asked if we are calling into question the procedures we used to elect our own members to the expanded PAC? Conway believed the word "reservations" was too weak. Sheehan asked the committee members present if "first step" was an appropriate phrasing. Burrell, replying to O'Connor, said clause two was a concern, but that the PAC will be able to adjust as time goes by. Fallon suggested a clarification of that clause. Borelli saw the concerns expressed as valid, and should be made known. O'Connor proposed ending part A at the word "structures." Vasta seconded, Conway spoke in favor of O'Connor's amendment, but what will happen to whatever we pass? Professor Regina Coll urged the senate to keep the reservations in the resolution, especially at this time on this campus.

Professor James Collins said if we have spent two hours stating our reservations; if we agree to O'Connor's amendment, has that time been spent uselessly? Our task, according to Professor David Leighton, should be to monitor the PAC. We don't need to do anything about the letter, but we must keep an eye on what PAC does as well as the College Councils, whom we should urge to do their jobs more forthrightly. Eagan spoke against the amendment and waiting for the journals. Professor Donald Sporleder believed our concerns ought to be spelled out. Borkowski repeated that we have an opportunity to shape the future of the University, and we should be more positive and constructive. We

are wrestling with complex issues here, and we have the chance to have an impact on resolving them in the future with this mechanism. Conway moved to table the whole resolution, and Higgins seconded. The senate agreed 16 to 11 to table.

The senate then stood in recess to hear presentations by its guests: Joseph Russo, director of financial aid, and Kevin Rooney, director of admissions. Russo said the University has listed financial aid as its top fund-raising priority, a very visible topic; the trustees have looked at it and found, compared to our peer institutions, that we are short in how much of a student's financial aid we can meet with our limited resources. Through endowment and annual giving we are able to help twice as many students now as we were able to do five years ago. But it remains a pressing need. Who gets the limited scholarship dollars? There are rationing factors: academics and personal qualities for admissions and for priority in financial aid. Need is the next factor, and this is not a science. It involves reviewing files, asking questions, and paying personal attention to every student. After this, his office develops a figure of how much the family can afford to contribute to the student's education. Comparing this to what it will cost yields the "financial need." Notre Dame is committed to meeting the need of each top student. To spread resources around to as many as possible, the financial aid office develops a package of aid, combining grants, loans, job and self-help to meet needs.

How do we determine need? The College Scholarship Service, College Testing Program, federal government — all help us and other schools to determine need. Admissions designates students as Notre Dame Scholars (our top recruits) and Holy Cross Scholars (top minority recruits) before any financial need is assessed, so we have "need-blind" admissions. We cannot publicly commit to meeting the need of every student who is admitted; our resources are just too limited, but this is slowly improving. Notre Dame commits about one-third of its annual unrestricted gifts to financial aid (about \$2 million per year after next year). Who are our competitors? Virginia, UCLA, Michigan, UC-Berkeley, North Carolina. Our tuition is roughly \$18,750 with room and board included. That is about 7.5 percent higher than last year, while other flagship public competitors face 5 to 11 percent increases. Their increases over the last 10 years have been higher than ours. Costs are a concern everywhere, including Congress.

For Rooney, every assumption in the admissions world has changed in the past four years, especially projections. His first priority is to admit top-notch students to the University. Our system is very similar to Princeton's. The senate and the Admissions Office combined on a survey some years ago to see how much correlation there was between the students admissions rated as tops and the ones the faculty saw as tops in their classes. The results showed a very close correlation. Every student who applies is rated twice

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on a 1 - 6 scale, for academics and non-academics. The first ranking takes rank in high school class (the single best predictor of success) plus standardized test scores, type of high school, quality of curriculum (weighted or unweighted), essays and recommendations. We admit all applicants who are first or second in their class. Our need in recruiting is our lack of financial aid resources. A student admitted here who goes elsewhere is asked why, and usually says, lack of aid. We admit 1880 in a single year, but we accept about twice as many. It is a very competitive situation, and lack of financial aid hurts us. We are good recently in attracting Hispanic students (6 percent of class), especially Mexican-Americans in the Southwest. We have had mixed success with African-Americans, who frankly do not feel comfortable here. We have seen slow but steady growth in the numbers of Asian-American students. Our most difficult group: Native Americans. Other special groups: alumni children (22 to 27 percent of class), and this is good for institutional loyalty; faculty/staff kids are given consideration and are admitted if there is any reasonable chance for them to succeed; University Relations also presents certain special cases; on athletes, we are committed to being competitive nationally in almost everything, and there is academic quality in many of those who are admitted.

Is the student body homogeneous? We do not consciously prevent intellectuals from coming here. We admit the best ones who apply. Alumni believe we are overrun with "egg-heads." Who chooses to apply and why? Students look at various distinctive points of Notre Dame, some attractive and some not: Catholic nature of Notre Dame, residential system, freshman year experience, athletics, location, weather, college town. He sees lots of distinctive applicants and interesting individuals, but half of those we accept will go elsewhere. Perhaps the campus culture here contributes to the faculty perspective: Why do bright students not push themselves in the classroom? For some of those who come, the place works very well.

Have we gone further down into the admissions pool this year as compared to other years? Yes, and our yield was about 49 percent. Despite going deeply into the waiting list, the class that came in was statistically among our top five classes ever. The economy was a big problem, and our lack of scholarship aid hurt us. Also a factor: The size of the applicant pool was very small. The major point he would leave with the senate: How much does Notre Dame want to invest in financial aid to bring in a quality and diversified student body? Economic aid is a powerful institutional tool.

In the question period, Fallon brought up the Robin Hood principle: Universities raise tuition to subsidize tuition for students who can't afford to pay. Why, with the NBC contract, endowments and so much else, can't we meet these students needs? Rooney said every school does it except Notre Dame and probably Princeton. It is not fiscally smart,

as many schools are finding. But, at the start it is an instant infusion of scholarship money, and it will always keep pace with tuition increases. Lopez asked about the terror of 3.8 percent yield on endowment, and why no tuition forgiveness? Could the faculty help you get more than 3.8 percent? Rooney replied that tuition forgiveness is like Robin Hood, and has the same drawbacks; with the sound enrollment we have, it certainly doesn't make sense here. The national service option of the Clinton administration looks very promising for the kind of student we attract. Russo said there are three ways to fund a scholarship: interest on endowment, annual giving, Robin Hood. To the student, it doesn't matter, but to the institution, it does. Robin Hood is an expense that is eating up some institutions. On endowment, our return averages 14.1 percent (including earnings, dividends, appreciation). We can change the amount we spend, and this is being looked at especially by our Investment Office. In our endowment, \$140 million of the \$760 million is dedicated to undergraduate scholarships. On the NBC contract, \$38 million over five years, the scholarship income over the previous contract is \$20 million and \$16 million is for undergraduate and \$4 million is for graduate aid. We also have \$2 million of bowl revenue. So football helps academics.

Connolly asked if Rooney were disturbed by the declining yield in admissions. He replied that he was concerned because we had to go further into the waiting list than we anticipated; the real concern was the reason we had to do this: affordability and lack of financial aid. Other schools face the same problem, and the typical private school is down to about 33 percent, while we're at 49 percent. Professor Thomas Cashore asked what the difference was between Notre Dame scholars and Holy Cross scholars. Rooney said, the former were the best students we accepted; the latter were the traditionally underrepresented groups, like minorities and disadvantaged. Lombardo wanted to know what kinds of restrictions a donor can place on a financial aid gift and how closely these are adhered to. Russo gets involved in these kinds of negotiations, and he tries to urge donors to give unrestricted gifts to help as many students as possible; in every agreement, we have a closure statement, so that we can continue to meet needs as times change. But if the donor insists, we will do the best we can. Conway asked if we get the top students from the best schools. Rooney said we get them from the full range of schools, but we do not have much penetration in the elite schools of the East. Conway asked further what schools we were losing out to. Are the Daytons beating us to the good students? Rooney said we lost students to Dayton but few. Some of the schools who took students from us: Stanford, Georgetown, Virginia, Drake, Northwestern, Cornell, Howard, Michigan, Yale, Dartmouth, Princeton, Boston College, Navy, Pennsylvania, UCLA.

Eagan wondered how we recruit students. Rooney replied that our councilors hit about 40 states for information

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nights, and school visits, direct mail (especially for minorities), 2,500 students visit campus to see it before applying. Vasta commented that the two offices Rooney and Russo represent are terribly important to the University because they are responsible for actually designing the culture of this place. He asked what kinds of "exceptions" might be made to accept a student who might not rank highly in the usual categories but who might have some talent that would make this a better place. Rooney said often he will ask the Music or Art Department about someone or ask them to evaluate a piece of creative work. But it is rare for someone to be good in one area without being readily admissible. Word of mouth helps.

O'Connor remarked that he thought it was time to send our guests home with our thanks and a big round of applause, to which the senate agreed. O'Connor moved to adjourn, Lombardo seconded, and senate agreed at 10:20 p.m.

Present: Bender, A. Borelli, M. Borelli, Borkowski, Bruns, Burrell, Cashore, Collins, Connolly, Conway, Detlefsen, Eagan, Fallon, Garg, Goetz, Higgins, Litzinger, Lombardo, Lopez, McDonald, Miller, O'Brien, O'Connor, Parnell, Power, Quinn, Serianni, Sheehan, Sporleder, Tidmarsh, Vasta, Vecchio, Yoder, Schorn

Absent: Affleck-Graves, Chang, Coll, Hayes, Jenkins, M. Jordan, Kantor, Leighton, Martin, Plantinga, Porter, Powers, Sauer, Shephard, Tageson, Fazio

Excused: Bartlett, Garg, S. Jordan, Lamberti

Respectfully submitted,

Peter J. Lombardo Jr.
Co-secretary

Appendix A

Memorial Minute in honor of Professor Charles Snyder

Charles came to Notre Dame 27 years ago to help found the Department of Psychology. John Santos, who was the first chair of the department, brought Charles with him from the Menninger Clinic to provide expertise in instrumentation, necessary to build a first-rate psychology program. Charles established himself as a sensitive and reliable expert in research design and methodology, helping students and faculty with their research needs. His unique contribution was essential for establishing a research-oriented psychology department, and for much of the early scholarly success of faculty and graduate students alike.

Upon hearing of Charles' sudden death, a former graduate student, Frank Schieber, wrote to the department, "I learned more electronics, computers and real-world problem-solving during my years with Charles than I ever could begin to describe. His computer, technical and intellectual talents and gentle humility made me proud to be counted among his friends and students." This sentiment is shared by many undergraduate and graduate students, as well as faculty.

On the Friday afternoon before our October break, Charles died suddenly in Haggard Hall, in the midst of his research activities. It was a shock to the department; we still mourn the loss of a very dedicated colleague and a friend who was deeply devoted to Notre Dame and his students. We are saddened by this loss.

presented by: John Borkowski

Appendix B

December 1, 1992

TO ALL MEMBERS OF THE FACULTY

Dear Colleagues,

On April 15, 1992, following an intense period of meetings to resolve issues of the Faculty's concern over their role in University governance, the President, the Provost, and the Faculty Senate executive committee agreed to a series of points outlining activities and changes which would contribute to a fuller partnership in the governance of the University. A joint administrative-faculty working committee met twice during the summer to resolve some specific remaining issues, made an interim report in September, and had a final meeting on November 18, 1992. So every item on the April agenda has now been resolved, and the work of the joint committee is done. Therefore, on behalf of the working committee, I am writing this letter to summarize the net effect of the changes in university governance which have occurred as a result of all these meetings.

1. The Academic Council has restructured itself, establishing these three standing committees: Faculty Affairs, Graduate Studies, Undergraduate Studies. (A committee on budget affairs is not a part of this restructuring.) Furthermore, the Council has increased the number of its meetings to three each semester and distributes its agenda well in advance of each meeting
2. Effective September 1992, the Provost's Advisory Committee has been increased by five elected faculty members. As a result of the work of the administrative-faculty committee this fall, five more faculty will be added and the purview of PAC will be expanded.

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Thus, starting with the Academic Year 1993-94, PAC will include a total of ten elected faculty members at the full-professor level, two from each of the four colleges and the Law School. These are chosen by college-wide vote for three-year staggered terms.

This new PAC will be advisory to the Provost, concerned with promotion and tenure decisions as in the past, and now with discussions of academic priorities as well. They will not, however, serve as a budget committee. The deliberations of this group will continue to be strictly confidential on personnel matters. Their deliberations on other matters will also be considered confidential. However, from time to time, and at least once a year, reports will be published which summarize the recommendations of PAC on academic priorities. PAC will meet at least ten times yearly.

Each year the Executive Vice President and the Vice President for Business Affairs will participate in two PAC meetings related to the University's current financial picture.

This newly configured PAC of 1993-94 will be experimental and will make recommendations on its own effectiveness to the President after five years.

A fundamental commitment to openness on the issue of University finances and the budget has been established. All consultative bodies will have necessary access to University financial affairs in a manner similar to the way members of Colloquy 2000 have had. Such bodies include the Academic Council, College Councils, Graduate Council and departments, centers and institutes. In addition, the Provost has written and will continue to write an annual letter to the faculty spelling out the state of the University's financial situation and describing current and anticipated problems. Faculty response and participation in resolving these problems will be welcome.

4. The President, Provost and the Deans are committed to strengthening the College Councils and the Graduate Council. So revitalized, these bodies will play a role in setting priorities, reviewing programs, looking at the allocation of resources, and seeking solutions to general policy questions in their domain.

5. The Senate is in the process of conducting two studies:

- a. a self-study of its responsibilities, responsiveness and membership, including looking at the possibility of having as an ex-officio member the Provost of the University;
- b. a study of the role of the faculty in establishing and maintaining the Catholic identity/mission of the University. This study is looking at all aspects of the question, is involving the founding religious community, and is seeking to become a permanent standing committee of the Senate.

As such, it is the start of an ongoing dialogue among all members of the Notre Dame community on this vital issue.

The first of these studies has been assigned by the Senate to its Committee on Administrative Affairs, the second to its Committee on Academic Affairs.

The members of the administrative-faculty committee believe the steps outlined above constitute a firm basis for shared governance at the University of Notre Dame. With these changes in place, we look forward to working together to build an ever greater Catholic university.

Yours sincerely,

Timothy O'Meara
Provost

Members of the Joint Working Committee:

Rev. Edward A. Malloy, C.S.C., president and professor of theology; Timothy O'Meara, provost and Kenna professor of mathematics; Rev. E. William Beauchamp, C.S.C., executive vice president; Roger A. Schmitz, vice president and associate provost and Keating-Crawford professor of chemical engineering; Nathan O. Hatch, vice president for graduate studies and research and professor of history; Harold W. Attridge, Shuster dean of arts and letters and professor of theology; Francis J. Castellino, dean of science and Kleiderer-Pezold professor of biochemistry; Frank J. Bonello, associate professor of economics; Mario Borelli, associate professor of mathematics; John G. Borkowski, McKenna professor of psychology; Rev. David B. Burrell, C.S.C., Hesburgh professor of arts and letters; Paul F. Conway, associate professor of finance and business economics; Kenneth W. Milani, professor of accountancy; Philip L. Quinn, O'Brien professor of philosophy.

Appendix C

Resolution of the Executive Committee

Be it resolved that

- A. the Faculty Senate recognizes the December 1, 1992, letter of the joint working committee to all members of the Faculty as a positive first step in regard to governance structures;
- B. the Faculty Senate recommend to each College Council a full discussion of this letter; and

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C. the Administrative Affairs Committee of the Senate monitor the on-going discussion of the document in the College Councils and receive reports of such discussions by March 1, 1993.

presented: December 8, 1992
second: not necessary
action

Appendix D

Resolution of the Executive Committee

Be it resolved that

A. The Faculty Senate recognizes the December 1, 1992, letter of the joint working committee to all members of the Faculty as a positive first step in regard to governance structures, with some reservations. These are:

an overemphasis in confidentiality in non-personnel matters,

an underrepresentation of women and people of color, and

an overrepresentation of non-members of the Teaching and Research Faculty.

B. the Faculty Senate recommend to each College Council a full discussion of this letter; and

C. the Administrative Affairs Committee of the Senate monitor the on-going discussion of the document in the College Councils and receive reports of such discussions by March 1, 1993.

presented: December 8, 1992
second: not necessary
action

University Libraries' Hours During Easter Holiday April 8-12, 1993

	Building	Public Services
Thursday, April 8	8 a.m. - midnight	8 a.m. - 10 p.m.
Friday, April 9	8 a.m. - midnight	8 a.m. - noon* 5 p.m. - 10 p.m.*
Saturday, April 10	9 a.m. - midnight	9 a.m. - 5 p.m.
Sunday, April 11	CLOSED FOR EASTER	
Monday, April 12	RETURN TO REGULAR SCHEDULE	

* The following public services will be open:

Circulation
Current Periodicals/Microtext
Reference

Branch Libraries

	Architecture	Chemistry/Physics	Engineering	Life Sciences	Mathematics
Thursday, April 8	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.
Friday, April 9	CLOSED FOR GOOD FRIDAY				
Saturday, April 10	9 a.m. - 5 p.m.	9 a.m. - 5 p.m.	9 a.m. - 5 p.m.	9 a.m. - 5 p.m.	1 - 5 p.m.
Sunday, April 11	CLOSED FOR EASTER				
Monday, April 12	LIBRARIES RETURN TO REGULAR SCHEDULES				

The Graduate School Research Division

Current Publications and Other Scholarly Works

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

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The Graduate School Research Division

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The Graduate School Research Division

O'NEILL CHAIR IN EDUCATION FOR JUSTICE

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The Graduate School Research Division

Summary of Awards Received and Proposals Submitted

In the period January 1, 1993, through January 31, 1993

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	753,036	7	216,053	15	969,089
Facilities and Equipment	0	0	2	4,729,376	2	4,729,376
Instructional Programs	1	5,000	0	0	1	5,000
Service Programs	0	0	6	36,951	6	36,951
Other Programs	<u>0</u>	<u>0</u>	<u>2</u>	<u>204,000</u>	<u>2</u>	<u>204,000</u>
Total	9	758,036	17	5,186,380	26	5,944,416

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	536,494	40	9,740,809	47	10,277,303
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	83,863	5	255,356	6	339,219
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>40,207</u>	<u>1</u>	<u>40,207</u>
Total	8	620,357	46	10,036,372	54	10,656,729

The Graduate School Research Division

Awards Received

In the period January 1, 1993, through January 31, 1993

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

- Mueller, T.
NASA National Space Grant College and Fellowship
Program
Purdue University
\$37,500 12 months
- Atassi, H.
Aerodynamics and Aeroacoustics of Nonuniform Flows
NASA — Lewis Research Center
\$138,107 12 months
- Hydrodynamics and Acoustics in Nonuniform Flow
Department of the Navy
\$29,152 24 months
- Skaar, S.
Production Control System
McDonald's Corporation
\$18,000 6 months

Biological Sciences

- Goetz, F.
PI/PKC and Ovulation
National Institutes of Health
\$97,405 12 months
- Fraser, M.
Transposon Mutagenesis of NPV
National Institutes of Health
\$104,566 12 months
- Kulpa, C.
Fine Acid Degradation
Amoco Chemical Research Center
\$65,500 12 months
- Investigations on TNT Biotransformation
Argonne National Laboratory
\$86,906 12 months
- Duman, J., Castellino, F.
Antifreeze Proteins
National Science Foundation
\$85,000 24 months

Chemical Engineering

- Varma, A.
Optimal Catalyst Activity Distributions in Pellets
Union Carbide
\$40,000 12 months

- Kantor, J.
Data Compression with Wavelets for Process Monitoring/
Control
E.I. Dupont DeNemours & Company
\$20,000 12 months

Chemistry and Biochemistry

- Miller, M.
Drugs and Delivery Systems for Opportunistic Infections
National Institutes of Health
\$193,900 12 months

Electrical Engineering

- Alcock, C.
Development of Sulfur-Tolerant Electrode Materials
Argonne National Laboratory
19,999 4 months

Physics

- Rettig, T.
American Astronomical Society Small Research Grant
American Astronomical Society
\$3,680 12 months

Program of Liberal Studies

- Power, F.
The Construction of Self-Evaluation Processes
Ewing Marion Kauffman Foundation
\$29,374 5 months

AWARDS FOR FACILITIES AND EQUIPMENT

Electrical Engineering

- Costello, D., Stevenson, R., et al.
High Resolution Video Processing System
National Science Foundation
\$58,126 18 months

College of Engineering

- Spencer, B.
Computer Aided Engineering Software for Undergraduate
Education
Aries Tech
\$4,671,250* 12 months

*Includes \$4.7 million in Computer Aided Engineering Software.

The Graduate School Research Division

AWARDS FOR INSTRUCTIONAL PROGRAMS

Chemical Engineering

Varma, A.
 REU Supplement
 National Science Foundation
 \$5,000 12 months

AWARDS FOR SERVICE PROGRAMS

Notre Dame Center for Pastoral Liturgy

Bernstein, E.
 Notre Dame Center for Pastoral Liturgy — Publications
 Various Others
 \$2,345 1 month
 Notre Dame Center for Pastoral Liturgy
 Various Others
 \$5,853 1 month

Center for Continuing Formation in Ministry

Cannon, K.
 Notre Dame Center for Continuing Formation in Ministry
 Various Others
 \$25,058 1 month

Institute for Pastoral and Social Ministry

Cannon, K.
 IPSM/Central Office
 Various Others
 \$11 1 month
 IPSM/Dynamic Parish
 Various Others
 \$73 1 month

Programs for Church Leaders

Tebbe, F.
 Programs for Church Leaders
 Various Others
 \$3,611 1 month

Jacques Maritain Center

McInerney, R.
 Thomistic Studies
 St. Gerard Foundation
 \$200,000 12 months

Music

Higgins, P.
 Assessing the Legacy of Antoine Busnoys
 National Endowment for the Humanities
 \$4,000 12 months

Proposals Submitted

In the period January 1, 1993, through January 31, 1993

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

Powers, J.
 Modeling of Pyrotechnic Systems
 NASA — Lewis Research Center
 \$83,052 24 months
 National Science Foundation Young Investigator 1993
 National Science Foundation
 \$500,000 60 months
 Dunn, P.
 Combined-Effects Aerosol Experiments
 Electric Power Research Institute
 \$171,171 34 months
 Renaud, J.
 Multidisciplinary Design Optimization Development
 National Science Foundation
 \$179,063 36 months
 Stanisic, M.
 Constraint of Redundant Manipulators
 NASA — Langley Research Center
 \$22,000 12 months
 Szewczyk, A.
 Bluff Body Wake Flows
 Department of the Navy
 \$32,936 5 months

Biological Sciences

Carlton, R.
 Control of Methane Release from Lake Sediments
 Environmental Protection Agency
 \$98,260 24 months
 Eldon, E.
 National Science Foundation Young Investigator 1993
 National Science Foundation
 \$500,000 60 months
 Duman, J.
 Plant Thermal Hysteresis Proteins
 Department of Agriculture
 \$413,955 36 months
 Esch, H.
 Directing Pollination and Foraging by Honey Bees
 Department of Agriculture
 \$140,142 24 months
 McAbee, D.
 Isolation/Analysis of Hepatic Lactoferrin Receptor
 American Heart Association — Indiana
 \$60,728 24 months

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Civil Engineering and Geological Sciences

- Kirkner, D.
Response of Nonlinear, Flexible Pavements to Moving Loads
Department of the Army
\$35,966 7 months
- Babic, M.
National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months
- Kareem, A.
Dynamic Response of Structures — REU Supplement
National Science Foundation
\$10,750 12 months
- Nonlinear Response of Ocean Structures
Department of the Navy
\$460,939 36 months
- Gaillard, J.
The Mobility of Trace Metals in Aquatic Systems
Environmental Protection Agency
\$282,325 36 months
- The Fate of Trace Metals in Freshwater Sediments
National Science Foundation
\$198,180 36 months
- Makris, N.
Pile Foundations Under Seismic and Inertial Loading
National Science Foundation
\$178,917 36 months
- Spencer, B., Sain, M.
REU Supplement to NSF Contract #BCS-9006781
National Science Foundation
\$11,600 12 months
- Pyrak-Nolte, L.
National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months

Chemical Engineering

- Hill, D.
National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months
- Varma, A., Strieder, W.
Synthesis of Silicon Nitride
ACS Petroleum Research Fund
\$162,665 38 months

Chemistry and Biochemistry

- Smith, B.
Dynamic Control of the Binding of Neutral Biomolecules
National Science Foundation
\$488,868 36 months

- Castellino, F., Colpitts, T.
Gla Domain
American Heart Association — Indiana
\$14,740 12 months
- Keller, J.
National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months
- McKee, E.
Regulation of Mitochondrial Protein Synthesis
American Heart Association — Indiana
\$73,700 24 months
- Miller, M.
Siderophores, Analogs and Bioconjugates: Synthesis and Study
National Institute of Health
\$226,436 12 months
- Bumpus, J., Irvine, R.
Regulation of Coal Polymer Degradation by Fungi
Department of Energy
\$304,039 36 months
- Castellino, F.
Glycan Assembly on Human Plasminogen
American Heart Association — Indiana
\$0* 12 months

Communication and Theatre

- Godmilow, J.
Recapitulating Farlocki's Inextinguishable Fire
Indiana Arts Commission
\$97,984 12 months

Computer Science and Engineering

- Chen, Z.
National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months
- Geometric Parallel Algorithms in Coarse-Grain Models
National Science Foundation
\$179,063 36 months
- Brockman, J.
Efficient Management of IC Yield Optimization Tasks
National Science Foundation
\$178,809 36 months
- National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months
- Sha, H.
Efficient and Reliable Parallel Realizations for DSP Algorithms
National Science Foundation
\$126,894 36 months

*Amount to be determined by sponsor

The Graduate School Research Division

Lumsdaine, A.

National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months

Electrical Engineering

Das, B.

Industrial Production of Porous Silicon
Institute for Electric/Electronic Engineering
\$38,479 12 months

Stevenson, R.

National Science Foundation Young Investigator 1993
National Science Foundation
\$500,000 60 months
RIA: Stochastic Models for Image Processing
National Science Foundation
\$118,773 36 months

Michel, A., Bauer, P.

Robust Stability of Nonlinear Discrete Systems
National Research Council
\$19,631 9 months

Mathematics

Wilczynski, D.

Embedding Problems in Dimension Four
National Science Foundation
\$79,332 36 months

Philosophy

Detlefsen, M.

Kantian Influences on Hilbert's Work in the Foundations
of Math
National Science Foundation
\$68,227 14 months

Physics

Livingston, A.

Highly Charged Ions in an Electron Beam Ion Trap
National Institute for Standards and Technology
\$35,932 12 months

Wayne, M.

Development of a Scintillating Fiber Tracking Detector
Oak Ridge Associated University
\$13,792 12 months

Psychology

Buyer, L.

Dual-Context Theory: "Distinctiveness" and Retrieval
National Institutes of Health
\$267,730 36 months

Borkowski, J., Whitman, T., et al.

Precursors of Retardation in Children with Teen Mothers
National Institutes of Health
\$168,580 12 months

Buyer, L., Anderson, D.

Context, "Distinctiveness," and Retrieval from Long-Term
Memory
National Science Foundation
\$233,645 36 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Civil Engineering and Geological Sciences

Halfman, J., Rigby, J.

A Program of Summer Stipends
Lilly Endowment, Inc.
\$5,000 3 months
A Field Approach to Environmental Education
Environmental Protection Agency
\$37,080 24 months

Chemistry and Biochemistry

Nowak, T., Duman, J., et al.

Biology-Chemistry Collaboration on Molecular Recognition
National Institutes of Health
\$204,276 12 months

Romance Languages and Literatures

Jerez-Farran, C.

A Program of Summer Stipends
Lilly Endowment, Inc.
\$5,000 3 months

Psychology

Borkowski, J., Whitman, T.

Research Training in Mental Retardation
National Institutes of Health
\$83,863 12 months

South Bend Center for Medical Education

Olson, K.

REU Supplement to IBN91-05247
National Science Foundation
\$4,000 12 months

PROPOSALS FOR OTHER PROGRAMS

History

Meyerson, M.

Christians, Muslims and Jews in Medieval and Early
Modern Spain
National Endowment for the Humanities
\$40,207 14 months

Notre Dame

R E P O R T

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