



Notre Dame

R E P O R T

Contents:

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The University

- 121 *Mother Teresa to Receive Notre Dame Award*
- 121 *Committee Addresses Faculty Participation in University's Strategic Plans*
- 122 *Advisory Council Members Named*
- 122 *Phi Beta Kappa Information*
- 122 *Financial Aid Distributed to 71 Percent of Students*
- 123 *IPSM Expands Programs and Is Renamed Institute for Church Life*
- 123 *Swartz Receives Sheedy Award*
- 123 *Committee on Collegiate Procedures Established*
- 123 *Libraries Donate Computer to National Library of Poland*

Documentation

- 133 *Mission Statement of the University of Notre Dame*
- 134 *Board of Trustees – Academic and Faculty Affairs Committee Minutes*
- 135 *Colloquy for the Year 2000*
- 141 *Faculty/Student Committee on Women Report*
- 144 *246th Graduate Council Minutes September 30, 1992*
- 146 *University Committee on Libraries June 15, 1992, September 11, 1992*
- 148 *University Libraries' Hours During Thanksgiving*

Faculty Notes

- 124 *Faculty Appointments*
- 124 *Faculty Honors*
- 125 *Faculty Activities*
- 131 *Faculty Deaths*
- 132 *Administrators' Appointments*
- 132 *Administrators' Honors*
- 132 *Administrators' Activities*

The Graduate School

- 149 *Current Publications and Other Scholarly Works*
- 154 *Awards Received and Proposals Submitted*
- 155 *Awards Received*
- 157 *Proposals Submitted*

5

1992-93

Mother Teresa to Receive Notre Dame Award

Mother Teresa of Calcutta has been selected as the second recipient of the Notre Dame Award for international humanitarian service.

Mother Teresa is the first international figure to receive the award, which was presented last year to former President Jimmy Carter and his wife, Rosalynn. The award was established in celebration of the University's Sesquicentennial to honor persons "within and without the Catholic Church, citizens of every nation, whose religious faith has quickened learning, whose learning has engendered deeds, and whose deeds give witness to God's kingdom among us."

Mother Teresa was born Agnes Gonxha Bojaxhiu in Skopje, Albania, August 27, 1910. Educated in government schools, she became active in a Marian youth group established in her parish by Croatian Jesuits and decided to join a missionary order, the Sisters of Loretto in Rathfarnham, Ireland. In 1929 she was sent to Calcutta, where she became principal of St. Mary's High School, teaching history and geography to young Bengali women for nearly 20 years.

Her career changed abruptly on September 10, 1946, as she travelled from Calcutta to Darjeeling, where she was going to make a retreat. During the trip she experienced what she later described as "a call within a call" from God. "It was on that train," she said, "that I heard the call to give up all and follow Him into the slums — to serve Him in the poorest of the poor. I knew that it was His will and that I had to follow Him. There was no doubt that it was to be His work. The message was quite clear. I was to leave the convent and work with the poor while living among them. It was an order."

Mother Teresa and a small band of followers quickly gained local fame in Calcutta for their radical acceptance of personal responsibility for the abandoned and dying people they encountered on the city's streets. They took such people into their own rented rooms in order to invest their last hours with a modicum of human dignity.

The simplicity and directness of Mother Teresa's spirituality and the intensity of her love of the poor soon became internationally known and her witness inspired similar efforts throughout the world. Honored by the Catholic Church as well as by numerous governments and international agencies, including the United Nations, she frequently displays a disarming indifference to accolades. Receiving the Nobel Peace Prize in 1979, she departed from the customary Oslo ceremonies by leading participants and press people in a recitation of St. Francis of Assisi's prayer for peace.

The Missionaries of Charity, an international religious order which Mother Teresa founded in 1950, aspire to a life which combines contemplative prayer with active service to and solidarity with the poor and unwanted, irrespective of caste, creed, nationality, race or place. The order, which now includes 3500 professed sisters and 1000 in formation, has established numerous schools and orphanages in the world's slums, homes for sick and dying street people, homes for physically disabled and mentally retarded children, clinics for malnourished people, night shelters for homeless people and homes for leprosy patients. The Missionaries of Charity have 30 communities in the United States and are active in 100 countries worldwide.

Committee Addresses Faculty Participation in University's Strategic Plans

In accordance with the agreement on University governance worked out in April by Notre Dame's president, provost and the executive committee of the Faculty Senate, two meetings of an administrative-faculty working committee took place July 13 and July 22. The purpose of these meetings was to explore avenues for further faculty participation in the life of the University.

In compliance with the April agreement, the committee was composed of President Edward A. Malloy, C.S.C., and Provost Timothy O'Meara, together with five persons selected by Father Malloy: Executive Vice President E. William Beauchamp, C.S.C., Vice President and Associate Provost Roger Schmitz, Vice President for Graduate Studies and Research Nathan Hatch, Dean Harry Attridge and Dean Frank Castellino. In addition, the committee included seven members of the faculty elected to the Academic and Faculty Affairs Committee of the Board of Trustees: Professors Frank Bonello, Mario Borelli, John Borkowski, Paul Conway, Kenneth Milani, Philip Quinn and David Burrell, C.S.C., who was overseas and could not be present.

The group addressed the three items on the prescribed agenda. It was decided not to pursue the idea of a University Forum or that of a President's Advisory Committee. Instead, the group focused its discussions mainly on the issue of how the faculty might best participate in strategic planning for the University. It was finally established that the best means for accomplishing this goal would be the formation of an advisory committee to the provost for academic planning. This committee would not serve as a budget committee. In nature similar to the Provost's Advisory Committee, including elected faculty, its exact composition and size were not determined, but it was agreed that specific details would be worked out in the course of the fall semester.

Advisory Council Members Named

New members of Notre Dame's nine advisory councils have been announced.

College of Arts and Letters: Douglas C. Wurth, New York; and Kenneth R. Meyer, executive vice president, Lincoln Capitol Management Co., Chicago.

College of Engineering: John Patrick Booker, Folsom, La; Brian W. Einloth, development engineer, Motorola Inc., Arlington Heights, Ill.; Aga Myung Goodsell, NASA Ames Research Center, Moffett Field, Calif.; Charles R. McNamee, chairman, Continental Coal Sales Corp., Dayton, Ohio; Leo A. Dilling, president, Dilling Corp., Gaithersburg, Md.; and Philip B. Rooney, president and chief operating officer, Waste Management Inc., Oak Brook, Ill.

College of Science: Dr. Anthony J. Leone Jr., Lockheed Missiles and Space Co., Palo Alto, Calif.; Martina F. Mutone, St. Louis; and Dr. Robert I. Branick, orthopedic surgeon, Presbyterian Hospital, San Francisco.

College of Business Administration: Kay M. Wigton, director of staffing and college relations, Baxter Healthcare Corp., Deerfield, Ill.; Byron O. Spruell, Peterson Consulting Ltd., Houston; and Richard T. Ryans, AT&T Paradyne, Largo, Fla.

Law School: Katheryne L. Zelenock, Simpson & Berry, P.C., Birmingham, Mich.; and John F. Walker Jr., managing partner, Latham and Watkins, Los Angeles.

Graduate Studies and Research: Michael P. Esposito Jr., chief corporate compliance control and administration officer, The Chase Manhattan Corp., New York.

Snite Museum of Art: Carol S. Brademas, owner and interior designer, Interiors Etc., Mishawaka, Ind.; James D. Bock, president, Bock Engineering, Elkhart, Ind.; and Joseph P. Carroll, New York.

Institute for Church Life: Carol F. Mcraith, Alternatives Inc., Chicago.

Phi Beta Kappa Information

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

Financial Aid Distributed to 71 Percent of Students

Financial aid distributed to students by the University rose 8 percent to a record \$72.6 million in the 1991-92 academic year, according to the annual report of the Office of Financial Aid. A total of 7,181 students, 71 percent of the student body, received some form of aid during the year: scholarships, loans, grants and jobs from University, government and private sources.

In 1991-92 University-administered scholarship aid went to 2,289 students — up from 1,996 the previous year — and totaled \$8 million — up from \$6.2 million in 1990-91.

The scholarship and grant assistance provided by the University included funds awarded to Notre Dame Scholars, students designated the most accomplished among each incoming class, as well as Holy Cross grants awarded to minority students based upon their academic potential and proven ability to overcome economic or social disadvantages. With these and with all Notre Dame-based financial aid programs, demonstrated financial need is an essential consideration.

Other highlights of the report:

- In the freshman class, University scholarship funding increased \$600,000 above the 1991-92 level.
- Federal assistance programs aided 8,499 students with \$24.5 million, \$20.8 million of which was in the form of loans to students and their parents. The remaining \$3.6 million of the total came from grants and work-study programs.
- 70 percent of Notre Dame undergraduates and 77 percent of graduate students received aid in 1991-92.
- Of the almost \$73 million in aid distributed, about \$44.3 million (61 percent) went to undergraduate students and \$28 million (39 percent) to graduate students.
- Scholarships earned outside the University rose from \$3.1 million to \$3.4 million. In addition, alternative loans, grants-in-aid, tuition remissions and University student employment raised the total nonfederal financial aid to Notre Dame students to \$41.1 million, up 9 percent from \$37.7 million in 1990-91.
- ROTC scholarships comprised 10 percent of the total financial aid to Notre Dame students. A total of 513 students received the scholarships.
- The unduplicated count of students aided was 7,181 of the total enrollment of 10,085.

IPSM Expands Programs and Is Renamed Institute for Church Life

The Institute for Pastoral and Social Ministry will expand its programs in service to the American Catholic Church and will change its name to the Notre Dame Institute for Church Life.

As newly constituted, the institute will address questions and issues on the frontier of pastoral life in the American Church and will bring together, from within and outside the University, those interested in the latest Church-related research and programs under way at Notre Dame. It will engage and draw upon the work of other University programs and centers involved in the study of Church-related issues, as well as upon the scholarly expertise of various academic departments.

The search committee seeking a full-time director of the institute are: Kathleen Cannon, O.P., associate provost, chair of the committee; Jay Dolan, director of the Cushwa Center for the Study of American Catholicism and professor of history; Harold Attridge, dean of arts and letters; John Borkowski, McKenna Family professor of psychology; Rev. Robert Krieg, C.S.C., associate professor of theology; and Rev. Thomas O'Meara, O.P., Warren professor of Catholic theology.

The Institute for Pastoral and Social Ministry was founded in 1976 and has engaged in numerous activities designed to address specific needs in the Church, notably in the areas of liturgy, retreats, ministry renewal and social justice.

Swartz Receives Sheedy Award

Thomas R. Swartz, professor of economics, has received the 1992 Rev. Charles C. Sheedy, C.S.C., award for excellence in teaching. He gave the address, "The Rewards of Teaching in a Research University" at the Sesquicentennial Convocation of the College of Arts and Letters, Sept. 25.

A Philadelphia native and a member of the Notre Dame faculty since 1965, Swartz specializes in urban economics. Courses he has taught during his career have ranged from introductory economics to the interdisciplinary sophomore core course and from lecture classes of 600 students to small sections of economics honors students. The address was followed by responses from Cornelius F. Delaney, professor of philosophy, and Sonia G. Gernes, professor of English, both of whom are previous recipients of the Sheedy award.

Committee on Collegiate Procedures Established

A new standing University committee, called the Committee on Collegiate Procedures, has been established at Notre Dame for the primary purpose of dealing with undergraduate academic matters that typically are related to the functions of the University Registrar. Such matters include procedures for the implementation of various University policies and regulations and the delivery of student data and information. The committee will also assist and advise the Academic Council on these matters, and it will serve to coordinate practices, procedures and the sharing of information across colleges.

The committee consists of the registrar, who serves as chair, and representatives from each of the four undergraduate colleges and the Freshman Year of Studies appointed by the respective deans. The membership for 1992-93 is Harold Pace, registrar; Samuel Gaglio, College of Business Administration; Peter Grande, Freshman Year of Studies; Jerry Marley, College of Engineering; Dian Murray, College of Arts and Letters; and Kathie Newman, College of Science.

Libraries Donate Computer to National Library of Poland

The Notre Dame libraries system has donated its superseded IBM 4381 computer to the National Library of Poland so that scholars will have electronic access to the Polish National Bibliography, the central catalog of foreign publications located in the Polish National Library, the central catalog of Polish journals, the catalog of journals of the National Library of Poland, and many smaller databases, such as musical notes and scores, old manuscripts and maps. The eight-ton gift was transported by the University to Chicago and was flown to its Warsaw destination courtesy of LOT Polish Airlines.

For the past 20 years the National Library of Poland has been slowly automating its operations under the constraints of strict Western embargo regulations for computer hardware and software. The library is situated in a newly-constructed modern facility that houses more than six million volumes and employs almost 900 people. Libraries director Robert Miller recently returned from the University of Warsaw where he held an exchange faculty position in its professional library. Since the Polish National Library currently uses an IBM 4361 system with capabilities that no longer satisfy its growing needs and the Notre Dame libraries were in the same situation until they replaced the IBM 4381, it was decided to donate the older equipment.

Faculty Notes

Appointments

David Betson, associate professor of economics, has been named director of the Hesburgh Program in Public Service in the College of Arts and Letters. A scholar of economics and public policy, Betson has served on the faculty committee that designed the Hesburgh Program and also served on its executive committee. A former research economist at the U.S. Department of Health, Education and Welfare and a research associate at the University of Wisconsin's Institute for Research on Poverty, Betson joined the Notre Dame faculty in 1982. His research examines how government and the economy affect income distribution in the United States. Most recently, he has analyzed alternative methods of measuring the cost of raising children, the aim being to establish realistic child support guidelines.

Honors

Stephen M. Batill, professor of aerospace and mechanical engineering, received an outstanding paper/presentation award for the paper titled "Lessons Learned in Teaching Aerospace System Design" at the American Society for Engineering Education Illinois/Indiana Regional Conference held at the University of Notre Dame. He received the 1991 Arch T. Colwell Merit Award for a paper titled "Using Prototypes and Flight Validation in Teaching Aerospace System Design" from the Society of Automotive Engineers. This award is 14th selected from over 2,000 papers published by the SAE in 1991.

Stephen M. Fallon, associate professor of liberal studies, received the James Holly Hanford Award from the Milton Society of America for the most distinguished book of 1991. "Milton among the Philosophers: Poetry and Materialism in Seventeenth-Century England" was published by Cornell University Press.

Rev. Theodore M. Hesburgh, C.S.C., president emeritus and professor emeritus of theology, has joined the advisory council for "first AID," a fund-raising project to benefit the National Association of People with AIDS. The cornerstone of "first AID" will be a nationwide telephone auction in November. Conducted via a 900 number, the auction will include one-of-a-kind experiences such as a game of one-on-one with an NBA star, a monopoly match against one of the country's foremost real estate developers, or a lunch date with an intriguing personality. All proceeds from the auction, along with net proceeds from the 900 number service, will go to the NAPWA.

John G. Keane, Gillen dean of business administration and Korth professor of strategic management, has been named to the board of directors of Excel Industries, Inc., the leading independent designer, manufacturer and supplier of window systems to the combined automobile, light truck and van, bus, heavy truck and recreational vehicle markets in North America.

James S. Keller, assistant professor of chemistry, has received a 1992 Camille and Henry Dreyfus New Faculty Award, one of 14 presented nationally this year. Placing particular emphasis upon the area of undergraduate instruction, the award is designed to recognize and promote the teaching potential of outstanding scientists. A \$25,000 grant was presented to the Notre Dame chemistry department in support of Keller's research, which focuses on controlling chemical reactions by breaking bonds of certain molecules. This work is unique because three lasers, rather than one, are used to excite electrons with vibrations and break specific bonds of the molecules.

Ralph McInerney, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, was named a member of the National Committee of the Catholic Campaign for America in Washington, D.C.

Guillermo O'Donnell, Kellogg professor of government and international studies and director of the Kellogg Institute, has been appointed a member of the International Academic Board of the Book Series of the International Political Science Association which are published by Cambridge University Press. He has been appointed a member of the Scientific Council of the "Vienna Dialogue on Democracy," a multi-year program organized by Austria's Institute for Advanced Studies.

Rev. Thomas F. O'Meara, O.P., Warren professor of theology, received an Honorary Doctorate of Humane Letters from Providence College in Providence, R.I., May 17.

Jean A. Pec, associate librarian, was appointed as the serials section representative to the Association for Library Collections and Technical Services Committee on Planning for 1992-93.

Karamjit S. Rai, professor of biological sciences, has been invited by the dean of the College of Basic Sciences and Humanities at Punjab Agricultural University in Ludhiana, India, to serve as a visiting professor and give a series of lectures in vector genetics and related fields, Sept. 24-Jan. 11.

Kenneth F. Ripple, professor of law, was awarded the honorary degree of Doctor of Laws by George Washington University in Washington, D.C., May 31.

Faculty Notes

John J. Uhran Jr., professor of computer science and engineering, received an "Outstanding Engineering Graduate Award" given at a convocation in the Chapel of de La Salle during the celebration of the School of Engineering Centennial at Manhattan College in the Bronx, N.Y., June 5.

Eugene Ulrich, professor of theology, has been invited as a fellow of the Annenberg Research Institute in Philadelphia, Pa., where he will participate part-time during 1992-93. The research theme for the year is "The Dead Sea Scrolls."

Kwang-tzu Yang, Hank professor of aerospace and mechanical engineering, has been invited to join the honorary editorial advisory boards of the *International Journal of Heat and Mass Transfer* and the *International Communication in Heat and Mass Transfer* published by Pergamon Journal Ltd.

Activities

Craig E. Adcock, professor of art, art history and design, participated in a panel discussion with Mierle Laderman Ukeles on issues of public art at the Florida State University Art Gallery and Museum in Tallahassee, Fla., Sept. 10. He participated in a panel discussion "Pressure on the Public" concerning issues in public art with artist Mitchell Kane, independent curator Mary Jane Jacobs, artist and founder of the DuSable Museum Margaret Burroughs, and architect Roberta Feldman at the Gallery 400 at the University of Illinois in Chicago, Ill., Oct. 14.

Joan Aldous, Kenan professor of sociology, served on the Council of the American Sociological Association, organized three sessions on Men and Families, Kin Keeping in the 1990s, and International Perspectives on Families as well as served as session discussant at the 1992 annual meeting of the American Sociological Association held in Pittsburgh, Pa., Aug. 20-25.

Panos Antsaklis, professor of electrical engineering, was a senior visiting scientist at the Department of Electrical Engineering and the IR Center on Process Control of Imperial College of Science, Technology and Medicine at the University of London, London, England; and visiting professor at the Department of Electrical Engineering, Division of Computer Science, at the National Technical University of Athens, Greece, Jan. - June. He presented invited lectures on the topic "Intelligent Autonomous Control" at the Technical University of Crete, Department of Electrical Engineering, Crete, Greece, March 31, and the University of Athens, Department of Computer Science, Athens, Greece, May 15. He gave the address "New Methods and Novel Directions in the Control of Systems" to the faculty at the National Technical University of Athens, Greece, May 7.

Subhash C. Basu, professor of chemistry and biochemistry, gave the invited symposium presentation "Mechanism of Anticancer Drug Cis-Platin: Its Inhibition by DNA Polymerase- α from Prostate Tumor Cells" in the biotechnology conference III CICLO, Naional, I Internacional De Conferencias en Biotecnologia held in Valdivia, Chile, April 1-5. He presented the same lecture in the Department of Cellular and Molecular Biology at the Pontificia Universidad Catolica De Chile in Santiago, Chile, April 7. He presented an invited talk "Glycoprotein Nature of Eukaryotic DNA Polymerase- α " in the Department of Life Science at Indiana State University in Terre Haute, Ind., April 21. He gave the invited lecture "Biosynthesis and Regulation of ELAM-1 Ligands by alphas-3fucosyltransferases" in the CIBA-GEIGY Pharmaceuticals in Summit, N.J., July 27.

Stephen M. Batill, professor of aerospace and mechanical engineering, presented a briefing titled "Digital Processing of Wind Tunnel Flutter Test Data" at the NASA Dryden Flight Research Facility in Edwards, Calif., Sept. 23. He presented a paper titled "Flows Around a Cylinder with Helical Surface Perturbations" at the sixth international symposium on Flow Visualization in Yokahama, Japan, Oct. 6. He presented papers written by Robert C. Nelson, associate chairperson and professor of aerospace and mechanical engineering, and Patrick F. Dunn, associate professor of aerospace and mechanical engineering, at that symposium.

Esmée Cromie Bellalta, associate professor of architecture, gave a talk to Holy Cross Associates on "Cultural Ways in Chile: A Non-Chilean's View" at Moreau Seminary, Notre Dame, Ind., Aug. 10. She gave the invited paper "Where the Cultural Mores Still Inform the Essence of a Community and the Formal Expressions Are Only Shadowy Reflections" in the panel on Poetry and Liberation in "The Process of Cultural Encounter 1492-1992" to the Latin American Consortium sponsored by the Center for Latin American Caribbean Studies and the Helen Kellogg Institute for International Studies held at Indiana University in Bloomington, Ind., Sept. 20.

Jaime J. Bellalta, professor emeritus of architecture, presented "Cultural Realities in Chile: The View From a Native Chilean" to Holy Cross Associates at Moreau Seminary in Notre Dame, Ind., Aug. 10.

Gary H. Bernstein, assistant professor of electrical engineering, presented the talk "Nanostructure Fabrication by Electron Beam Lithography" at the Center for Electronic and Electro-Optic Materials at the State University of New York in Buffalo, N.Y., Sept. 21.

William B. Berry and **John J. Uhran Jr.**, professors of engineering, gave an ad-hoc presentation "Third Rail Radio Frequency Deicing" which summarized the special accomplishments of the Cold Weather Transit Technology Program at

Faculty Notes

the third international symposium on Snow Removal and Ice Control Technology in Minneapolis, Minn., Sept. 14-18. Berry and Zhi-hong Liu presented a paper titled "FT-IR Evaluation of UV and Thermally Degraded Ethylene Vinyl Acetate (EVA) Solar-Module Encapsulant" at the 11th European Photovoltaic Solar Energy Conference and Exposition in Montreux, Switzerland, Oct. 12-16.

Joseph Blenkinsopp, O'Brien professor of theology, delivered the second annual Blumenthal lecture "The Old Testament and the Jewish-Christian Connection" at the University of North Carolina at Charlotte, N.C., Oct. 20. He delivered a lecture titled "Qumran and the Origins of Christianity" at Trinity School in South Bend, Ind., Oct. 26.

Bruce A. Bunker, associate professor of physics, presented the invited talks "XAFS Studies of Atomic Reordering at ZnTe/CdSe Interfaces" with M. Kemner, M.R. Weidmann, H. Samarath, **Hong Luo**, assistant faculty fellow in physics, **Jacek K. Furdyna**, Marquez professor of physics, and **Kathie E. Newman**, associate dean of science and associate professor of physics, and "Status of the International XAFS Database" at the seventh international X-Ray Absorption Fine Structure Conference in Kobe, Japan, Aug. 24-28.

Theodore J. Cachey Jr., assistant professor of romance languages and literatures, presented "Euro-American Encounters: The Murder of Peter Gamby" in an Honors Program Colloquium and delivered a public lecture "Between Humanism and New Historicism: Rewriting New World Encounter" at the University of South Maine in Portland, Maine, Sept. 28, and at the Department of Liberal Education at Columbia College of Chicago, Ill., Oct. 8. He presented the paper "Did Columbus Propose the Enterprise of the Indies to Genoa? Do You Care?" at the annual Purdue University conference on Romance Languages, Literatures and Film in West Lafayette, Ind., Oct. 15. He participated in a panel discussion of the Columbian Quincentennial on WSBT television's "Newsmakers" broadcast in South Bend, Ind., Oct. 17.

Neal M. Cason, professor of physics, gave an invited talk titled "Rare Decay Modes of the D^0, D^+ , and D_s charmed Mesons" at the XXVI international conference on High Energy Physics in Dallas, Tex., Aug. 7.

Hsueh-Chia Chang, chairman and professor of chemical engineering, chaired a session on turbulence and delivered a talk titled "Nonlinear Evolution of Waves on a Falling Film" in the Interfacial and Viscous Flow Session at the 29th annual meeting of the Society of Engineering Science in San Diego, Calif., Sept. 14-16.

Leonard F. Chrobot, adjunct professor of sociology, delivered the paper "The Polish American-Jewish American Council: A Model for Inter-Ethnic and Racial Understanding" at the 50th Anniversary Congress of the Polish Insti-

tute of Arts and Science in America held at Yale University in New Haven, Conn., June 18-20.

Sr. Regina Coll, C.S.J., associate professional specialist in theology, presented "Adult Faith Development" at St. Michael's University in Toronto, Canada, June 29-July 16. She lectured on "Social Justice" at St. Pius X Parish in Granger, Ind., Sept. 14. She presented "Supervised Ministry: Toward Tomorrow's Church" and "The Responsibility of the Laity in the Education of the Clergy" at Yale Divinity School in New Haven, Conn., Sept. 26.

Rev. Austin I. Collins, C.S.C., associate professor of art, art history and design, had a sculpture installed for "1992-93 Sculpture Tour" at the University of Tennessee in Knoxville, Tenn. He had a sculpture installed for "Campus Sculpture Tour 1992-93" at Western Michigan University in Kalamazoo, Mich.

Daniel J. Costello Jr., chairman and professor of electrical engineering, co-authored a paper with Diane G. Mills, Ph.D. student in electrical engineering, titled "An Upper Bound on the Free Distance of Double Memory Convolutional Codes" at the 30th annual Allerton conference on Communication, Control and Computing in Monticello, Ill., Sept. 30.

James T. Cushing, professor of physics, gave two invited lectures on "Why Local Realism?" at the international conference "Waves and Particles in Light and Matter" in Trani, Italy, Sept. 24-30. He gave the invited lecture "Historical Contingency in Theory Selection: 'Copenhagen' versus Causal Quantum Theory" to the Foundations of Physics Group at the University of Utrecht, The Netherlands, Sept. 29.

Roberto DeMatta, Joyce professor of anthropology, gave a keynote address "The Meaning of Rituals for Education" in the second Latin-American Encounter of Educators sponsored by the City Hall in Rio de Janeiro, Brazil, Sept. 18.

Michael Detlefsen, professor of philosophy, spoke to the Logic Seminar of the Ruhr University on his work on Gödel's Theorems and Hilbert's Program in Bochum, Germany, Aug. 6-7. He gave a talk titled "From Kant's Idealism to Hilbert's Formalism" at the 15th international Wittgenstein Symposium in Kirchberg, Austria, Aug. 16-23.

Jean A. Dibble, assistant professor of art, art history and design, presented "Lecture on Recent Work" at Pomona College in Claremont, Calif., Sept. 22.

Malgorzata Dobrowolska-Furdyna, assistant professor of physics, gave the invited talk "II-VI Based Diluted Magnetic Semiconductors" at the French and American Midwestern workshop on III-V and II-VI Semiconductor Compounds and University/Industry Related Programs in Chicago, Ill., Oct. 9.

Faculty Notes

Jay P. Dolan, professor of history and director of the Cushwa Center, presented the paper "An Enlightenment Catholic: Mathew Carey of Philadelphia" at the annual meeting of the American Conference for Irish Studies at University College in Galway, Ireland, July 8.

John G. Duman, professor of biological sciences, presented an invited talk titled "Adaptation of Poikilotherms for Maintaining the Liquid State of Water at Subzero Temperatures" at the colloquium on Compatible Solutes and Macromolecular Stability at the University of California, Davis, marine laboratory at Bodega Bay, Calif., Sept. 7-12.

Patrick F. Dunn, associate professor of aerospace and mechanical engineering, presented two papers titled "Low Velocity Impact of Electrically Charged Microspheres with Planar Surfaces Under Vacuum Conditions" with M.J. Caylor and **Raymond M. Brach**, associate professor of aerospace and mechanical engineering, and "Electrohydrodynamic Droplet Mixing" with J.M. Grace at the 1992 European Aerosol Conference held in Oxford, England, Sept. 7-11. He chaired a session titled "Aerosol Fundamentals III - Electrical Properties" at that conference. He presented a paper titled "Enhanced Droplet Mixing Within an Electrihydrodynamic Fine Spray" co-authored with J.M. Grace and co-chaired a session titled "Electrosprays" at the 1992 annual meeting of the American Association for Aerosol Research held in San Francisco, Calif., Oct. 12-16.

William G. Dwyer, professor of mathematics, gave an invited lecture titled "Class Field Theory and the Universal Coefficient Theorem" at the Midwest Topology conference held at the University of Minnesota in Minneapolis, Minn., Sept. 26.

Umesh Garg, associate professor of physics, gave the invited talk "High Spin States in $^{96,97,98}\text{Ru}$: Structures of Varied Character at $N \approx 52$ " at the ACS Symposium on Nuclear Shapes in Washington, D.C., Aug. 24-28. He presented the invited seminar "From Single-particle to Superdeformed — A Multitude of Shapes in ^{191}Hg and ^{193}Tl " at the State University of New York at Stony Brook, N.Y., Aug. 19.

Mary Gerhart, visiting assistant professor of theology, presented "Mathematics, Empirical Science, and Theology" co-authored with A.M. Russell at "Building Bridges Between Science and Theology" at the 10th anniversary conference of the Center for Theology and the Natural Sciences held at the University of California at Berkeley, Calif., April 4.

Denis Goulet, O'Neill professor in education for justice, economics, delivered a paper titled "Linking Micro and Macro Development Through Education and Research" to the UNESCO/ICO (International Catholic Organizations) Colloquium on "Economics, Culture, Development: The

Search for Coherence" held at UNESCO in Paris, France, Sept. 7. He presented a paper on "Cultural Resistance in Latin America: Future Prospects" to the second biennial conference of the Latin American Consortium with the theme "The Process of Cultural Encounter, 1942-1992" held at Indiana University in Bloomington, Ind., Sept. 19. He presented the paper titled "Technology for Human Development: Performance Measures" to the workshop on "Science and Technology in the Developing World: Liberation or Dependence?" sponsored by Indiana University's Program on Scientific Dimensions of Society in the Center on Global Change and World Peace and the University Center on Philanthropy held in Bloomington, Ind., Oct. 8.

David Hachen, assistant professor of sociology, presented a paper titled "Mobility Regimes in the United States and Canada: A Comparative Analysis" at the American Sociological Association meeting in Pittsburgh, Pa., Aug. 22.

Bei Hu, assistant professor of mathematics, gave an invited talk "A Degenerate Elliptic System for Thermistors" at the 32nd Midwest PDE Seminar at the Department of Mathematics at Purdue University in West Lafayette, Ind., Sept. 26.

Robert C. Johansen, professor of government and international studies and senior fellow in the Kroc Institute for International Peace Studies, served as a discussant on "Peacebuilding in the Middle East" at the Commission on War Termination and Peacebuilding in the Middle East at the International Peace Research Association General Conference in Kyoto, Japan, July 24-26. He presented the paper "The Conflict Between Military Policies and Democratic Values in the Post-Cold War World" and served as a discussant on "From Geopolitics to Geogovernance: Mission for the Next Thirty Years" at the panel of the World Order Models Project at the same conference, July 27-Aug. 1. Johansen gave the interview "U.N. Safe Havens for Victims of Ethnic Conflict" during the "Morning Edition" of WVPE Radio, South Bend-Elkhart, Ind., Sept. 2.

C. Lincoln Johnson, associate professor of sociology and director of Social Science Training and Research Laboratory, presented a paper titled "Social Psychological Principles Underlying Critical Thinking in the Classroom and in Everyday Life" at the 12th annual international conference on Critical Thinking and Educational Reform at Sonoma State University in Rohnert Park, Calif., Aug. 8-13.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, gave the invited papers "Photochemistry of C_{60} and C_{70} in Polymethacrylate Films" and "Photoinduced Charge Transfer Processes in Quantized ZnO and ZnO-CdS Colloids" at the 182nd meeting of the Electrochemical Society in Toronto, Canada, Oct. 11-16.

Faculty Notes

Barry P. Keating, chairman and Jones professor of finance and business economics, presented a paper titled "Education: The American OPEC" at the annual meeting of the American Political Science Association in Chicago, Ill., Sept. 4-6. He took part in a panel discussion for the College of Business Advisory Council and the Public Broadcasting Systems titled "The American Political Process: Is this Any Way to Run an Election?" at Notre Dame, Ind., Sept. 11.

Lloyd H. Ketchum Jr., associate professor of civil engineering and geological sciences, presented a tutorial "Sequencing Batch Reactors" with **James P. Earley**, assistant faculty fellow in civil engineering and geological sciences, at the Hazardous Waste Conference sponsored by the Center for Bioengineering and Pollution Control and Miles, Inc., at Notre Dame, Ind., Sept. 1. He presented "Notre Dame Solution to Solid Waste Management" at the conference on Foodservice Recycling sponsored by Rubbermaid Commercial Products, Inc., and Restaurants and Institutions Magazine held in Washington, D.C., Sept. 16. He presented "Local Solutions to Municipal Solid Waste Problems" with Gary A. Gilot, Elkhart city engineer, sponsored by Regional Approach for Progress in South Bend, Ind., Sept. 23.

Donald P. Kommers, professor of law and Robbie professor of government and international studies, lectured on "German-American Constitutional Law: Some Comparisons" in the European Institute in the Law Faculty of Saarbrücken University, Saarbrücken, Germany, June 26. He lectured on "Recent Developments in the Jurisprudence of the U.S. Supreme Court" in the Max Planck Institute of Comparative and International Public Law in Heidelberg, Germany, July 13. He was the featured speaker at a dinner-discussion on the topic "Recent Decisions of the German Federal Constitutional Court and the U.S. Supreme Court" before a large group of diplomats, judges and international lawyers in Washington, D.C., Sept. 29.

Charles F. Kulpa, professor of biological sciences, presented a talk titled "Biodesulfurization of Petroleum Distillates" at the Showa Denko, Co., in Tokyo, Japan, Oct. 5. He gave the talk "Microbial Transformation of TNT by Aerobic and Anaerobic Bacteria" at Takeda Chemical Co. in Osaka, Japan, Oct. 8, and at Kyoto University in Kyoto, Japan, Oct. 9.

Catherine Mowry LaCugna, associate professor of theology, presented the M.A. Colloquium "Theology of God" at the University of Notre Dame, Notre Dame, Ind., Sept. 23. She was invited to discuss *Aetatis Novae* with a group of scholars sponsored by *America* at the John LaFarge Institute in New York, N.Y., Oct. 30. Her book *God For Us. The Trinity and Christian Life* will be translated into Italian and published by Editrice Queriniana (Brescia).

James R. Langford, adjunct assistant professor in the arts and letters core course and director of University Press, served on the Grants Committee for the NEH in Washington D.C., May 28.

Irene P. Leahy, adjunct instructor in the Freshman Writing Program, served as chair of "For Heaven's Sake! What Are They Doing in the High Schools?" at the Indiana Teachers of Writing Conference in Indianapolis, Ind., Sept. 25.

A. Eugene Livingston, associate professor of physics, presented an invited paper titled "Spectroscopy on Fast Ions in the 1990s" at the international conference on Atomic Spectra and Oscillator Strengths in Astrophysical and Laboratory Plasmas at NIST in Gaithersburg, Md., Sept. 17. He presented an invited paper titled "Fine Structures and Transition Rates in Highly-Charged Ions" at the international conference on the Physics of High-Charged Ions at Kansas State University in Manhattan, Kans., Sept. 30.

John W. Lucey, associate professor of aerospace and mechanical engineering, presented the paper "Vol. 1: International, Quality and Environmental Issues" at the proceeding of the third conference on Engineering Education held in Portsmouth, U.K., Sept. 20-25.

Keith P. Madden, associate professional specialist in the Radiation Laboratory, presented the paper "In situ Radiolysis ESR Studies of Hydroxyalkyl Radical Spin Trapping Using 2-Methyl-1-2-Nitrosopropane" at the 24th Southeast Magnetic Resonance Conference in Raleigh, N.C., Oct. 8-10.

Bradley Malkovsky, instructor in theology, participated in two panel discussions as part of a three-day conference between Hindus and Christians on the theme "A New Vision of Reality in the West and Its Relations to Eastern Thought" at Vivekananda Monastery and Retreat in Ganges, Mich., Sept. 12.

Edward Manier, professor of philosophy in the Reilly Center for Science, Technology and Values, organized a session on cognitive psychology, evolutionary biology and literature and gave the paper "Psychiatry, Psychoanalysis and Feminist Critiques of Theories of Human Evolution" at the annual meeting of the Society for Literature and Science held in Atlanta, Ga., Oct. 8-11.

Michele M. Martin, assistant professional specialist in the Freshman Year of Studies, gave the invited paper "Advising Undecided Students in Light of Parental Pressure" at the National Academic Advising Association Conference in Atlanta, Ga., Oct. 10-14.

Douglas D. McAbee, assistant professor of biological sciences, presented recent research findings at the first international symposium on Lactoferrin Structure and Function in Honolulu, Hawaii, Sept. 19-24.

Faculty Notes

Rev. Richard P. McBrien, Crowley-O'Brien-Walter, professor of theology, presented "Jesuit Higher Education: An Outsider's View" at the faculty convocation at John Carroll University in Cleveland, Ohio, Aug. 28. He presented "Re-imagining the Church in the Year 2000" at the 30th anniversary reunion at the Center for Continuing Formation in Ministry at the University of Notre Dame, Notre Dame, Ind., June 2.

Ralph McInerney, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, presented the Department of Philosophy Colloquium "Notre Dame and Dame Philosophy" at the University of Notre Dame, Notre Dame, Ind., Sept. 4. He gave the response to Rev. Marvin R. O'Connell's address at the conference "In Defense of Western Civilization: On the Fifth Centenary of the Arrival of Columbus in This Hemisphere" sponsored by the Catholic League for Religious and Civil Rights and the Fellowship of Catholic Scholars held in Washington, D.C., Oct. 6.

Rev. John Allyn Melloh, S.M., coordinator of the Marten Program and professional specialist in theology, offered a day-long workshop on "Method in Preaching" for permanent deacons and M.Div. students sponsored by the Institute for Pastoral Ministry of the Archdiocese of Detroit in Detroit, Mich., May 22. He taught a one-week course in "Advanced Homiletics" to teachers of homiletics at the Preaching Institute at Western School of Theology in Cambridge, Mass., June 8-12.

Anthony N. Michel, McCloskey dean and Freimann professor of electrical engineering, organized and chaired a technical session at the SIAM Conference on Control and its Applications titled Dynamics and Stability of Neural Networks at the University of Minnesota in Minneapolis, Minn., Sept. 17-19. Michel and Kaining Wang presented a paper titled "Perturbation Analysis of a Class of Feedback Artificial Neural Networks" at that conference. Michel and Wang presented a paper titled "Improved Sufficient Conditions for the Stability of Interval Matrices" at the 30th annual Allerton conference on Communication, Control and Computing at the University of Illinois in Champaign, Ill., Sept. 30-Oct. 2. Michel and Derong Liu presented two papers titled "Asymptotic Stability of Fixed-Point Digital Filters Using Generalized Overflow Arithmetic" and "Positive Invariance of Symmetrical Polyhedral Sets for Continuous-Time Linear Systems with Applications" at that conference.

Martin F. Murphy, associate professor of anthropology and faculty fellow in the Kellogg Institute, gave a presentation on the final results of the study "Resident Hispanic Population of St. Joseph County, Indiana, June 1992: Demographics and Opinions" to a public forum sponsored by the Hispanic Task Force of St. Joseph County in South Bend, Ind., Oct. 13. He served as a discussant for the panel "Politics

and Society in the Dominican Republic and Puerto Rico in the 20th Century" for the Latin American Studies Association in Los Angeles, Calif., Sept. 24-27.

Dian H. Murray, associate dean of arts and letters and associate professor of history, gave the lecture "The Origin of the Chinese Heaven and Earth Society: The Trials of the Chinese Mafia" at the Forever Learning Institute in South Bend, Ind., Sept. 30.

Simon Pimblott, associate professional specialist in the Radiation Laboratory, presented the paper "Models for the Radiation Chemistry of Aqueous Systems" at the 11th symposium on Microdosimetry in Gatlinburg, Tenn., Sept. 13-19.

John A. Poirier, professor of physics, presented a paper "Grand: An Extensive Air Shower Array of Proportional Wire Chambers" at the seventh international symposium on Very High Energy Cosmic Ray Interactions at the University of Michigan in Ann Arbor, Mich., June 25.

Morris Pollard, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, delivered the annual lecture on "Evolution of Germfree Technology and Applications Thereof" to the John Shaw Billings History of Medicine Society, Inc., at the Indiana Medical Center in Indianapolis, Ind., Sept. 21.

Wolfgang Porod, professor of electrical engineering, presented a seminar titled "Dissipation in Computation" at Purdue University in West Lafayette, Ind., Oct. 7.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, presented an invited lecture "Model Formulation and Preliminary Results for Pyrotechnic Devices" at the Internal Fluid Mechanics Division Seminar at the NASA Lewis Research Center in Cleveland, Ohio, Sept. 15. He made a presentation titled "The Influence of Thick Reaction Zones in Spherical Underwater Detonations" at the ONR workshop on Underwater Metallized Detonics at Washington State University in Pullman, Wash., Sept. 23-24. He presented a paper "Oblique Detonations: Theory and Propulsion Applications" at the second ICASE/NASA LaRC Combustion Workshop in Newport News, Va., Oct. 12.

Frank K. Reilly, Hank professor of business administration, taught in the 1992 Chartered Financial Analysts (CFA) Study Program for students preparing for the CFA exam in Bangkok, Thailand, April 4-5. He presented the paper "Analysis of High Yield Bonds — Evidence of Segmentation in the Bond Market" at the Eastern Finance Association Meeting in Tampa, Fla., April 22-25. He taught in the Financial Analysts Review Study Program in Raleigh, N.C., May 9-13. Reilly made a presentation titled "The Overpowering Case for Global Investing" at the 1992 Notre Dame Alumni Reunion in Notre Dame, Ind., June 5. He taught in

Faculty Notes

the Association for Investment Management and Research Refresher Course in Charlottesville, Va., June 9-10.

John H. Robinson, associate faculty fellow in law and concurrent assistant professor of philosophy and law, ran the fifth annual Ethical Issues in Legal Practice Conference for the Notre Dame Alumni Association in Notre Dame, Ind., June 19-21. He conducted three sessions on Recent Developments in American Family Law on Divorce, Abortion and the Reporting of Child Abuse for the Family Life International conference at Andrews University in Berrien Springs, Mich., July 20-21.

Joachim Rosenthal, assistant professor of mathematics, presented the talk "What Is the Distance Between Two Transfer Functions?" at the conference on Computation and Control III in Bozeman, Mont., Aug. 5-11. He presented the talk "The Mapping Degree of the Pole Placement Map" and chaired a session on Linear Systems at the SIAM Conference on Control and its Applications held in Minneapolis, Minn., Sept. 17-19.

Jonathan R. Sapirstein, professor of physics, gave the invited talk "Theory of the Atomic Structure of Highly Charged Ions" at the sixth international conference on Highly Charged Ions in Manhattan, Kans., Sept. 30.

Ken D. Sauer, assistant professor of electrical engineering, presented the paper "Efficient Block Motion Estimation Using Integral Projections" at the IEEE Workshop on Visual Signal Processing and Communication in Raleigh, N.C., Sept. 1-3.

Howard J. Saz, professor of biological sciences, presented papers titled "Effect of Cholinergic Agents on the Metabolism of Choline in Muscle From *Ascaris Suum*" co-authored with Javier Arevalo and "Propionyl-CoA: Succinate Transferase Activity in *Ascaris Muscle*" co-authored with Becky S. DeBruyn at the 67th annual meeting of the American Society of Parasitologists in Philadelphia, Pa., Aug. 4-9. He introduced the Bueding and Von Brand Memorial Award at that meeting.

Rev. Timothy R. Scully, C.S.C., assistant professor of government and international studies, gave a series of roundtable discussions "Comparing Experiences of Transitions, East-South" at the Institute of Sociology of the Polish Academy of Sciences in Warsaw, Poland, June 4, the Institute of Sociology of the Czechoslovak Academia of Sciences in Prague, Czechoslovakia, June 9, and the Budapest University of Economics in Budapest, Hungary, June 10. He delivered the public lecture "Repensando el centro: La evolución de partidos y la política en Chile" at CIEPLAN in Santiago, Chile, June 23. He gave the workshop "The Results of the 1992 Municipal Elections in Chile: Too Predictable to Predict" at CIEPLAN in Santiago, Chile, June 30. He presented

the lecture "Party Systems in Latin America and East Central Europe: Possible Comparisons?" at a conference on "Transitions in East-Central Europe: What Has Been Accomplished and Where Are We Going?" sponsored by the Friedrich Nauman Stiftung in Budapest, Hungary, Sept. 10-13. Scully delivered the paper "The More Things Change the More Things Are the Same?: Reconstituting Party Politics in Chile" and served as a discussant for a panel on "Transition and Contradiction in Chile" at the 17th annual international congress of the Latin America Studies Association in Los Angeles, Calif., Sept. 24-27.

Thomas L. Shaffer, Short professor of law, is serving during the fall semester as Richard G. Huber Distinguished Visiting Professor of Law at Boston College. He gave the paper "On Being a Good Person and a Lawyer" in the symposium on legal education at the University of Puget Sound in Tacoma, Wash. Sept. 25. He led three sessions of a day-long continuing education program for Wyoming lawyers in Jackson, Wyo., Oct. 9.

Stephen E. Silliman, associate professor of civil engineering and geological sciences, presented "Intermediate-scale Experiments: Definitions and Applications" at the U.S. Department of Energy Subsurface Science program meeting in Gaithersburg, Md., Aug. 11. He presented "Hydraulic and Tracer Methods in Fractured Rock" at the Hazardous Waste Conference sponsored by the Center for Bioengineering and Pollution Control and Miles, Inc., at Notre Dame, Ind., Sept. 1.

Ajit Singh, Scholl professor of economics, presented "The Stockmarket and Economic Development" at a seminar at the Judge Institute of Management at the University of Cambridge, England, June 2. He presented "Corporate Financial Structures in Developing Countries" to the Malaysian Economic Association at Kuala Lumpur, Malaysia, July 22. He gave the presentation "Close vs. Strategic Integration with the World Economy and a Market Friendly Approach to Development Versus an Industrial Strategy: A Critique of the World Development Report for 1991" at the Central Bank of Malaysia at Kuala Lumpur, Malaysia, July 22. Singh presented "International Competitiveness and Industrial Strategy" at the Department of Economics at the University of Malaysia, Aug. 1.

J. Eric Smithburn, professor of law, presented lectures on judicial discretion to the fall General Jurisdiction Session at the National Judicial College at the University of Nevada at Reno, Nev., Oct. 8-9.

Billie F. Spencer Jr., associate professor of civil engineering and geological sciences, was an invited lecturer at the advanced school titled "Stochastic Approach to Fatigue: Experiments, Modelling and Reliability Estimation" at the International Center for Mechanical Sciences in Udine, Italy,

Faculty Notes

Sept. 7-11. He presented six lectures with the general title Stochastic Diffusion Models for Fatigue and Reliability Estimation: "Random Variable Models for Fatigue Crack Growth," "Scalar Diffusion Models for Fatigue," "Two-State Markov Process Models," "Multi-State Crack Growth Models for Random Loading," "Data Reduction for Stochastic Analysis" and "Fatigue Reliability and Estimation."

Kern R. Trembath, assistant chairperson and assistant professional specialist in theology, gave the address "Gracious Goodness: An Ecumenical Anthropology" to the United Religious Community of St. Joseph County in South Bend, Ind., Sept. 9. He was the guest homilist at Pasquerilla West, University of Notre Dame, Notre Dame, Ind., Sept. 23.

Eugene C. Ulrich, professor of theology, was invited to participate in a plenary-session panel discussion on "Recent Research in the Dead Sea Scrolls" at the annual meeting of the Catholic Biblical Association in Washington, D.C., Aug. 17.

Arvind Varma, Schmitt professor of chemical engineering, presented a 1992-93 Warren McCabe lecture titled "Combustion Synthesis of Advanced Materials" at the Department of Chemical Engineering at North Carolina State University in Raleigh, N.C., Oct. 19.

Jaime R. Vidal, assistant director of the Cushwa Center and concurrent assistant professor of theology, presented a paper on "*Nican Mopohua* and *Inin Huey Tlamahuizoltzin*: Original Nahuatl Sources for the Apparition of Our Lady of Guadalupe" at a session on "Indigenous Author and Themes in Spanish-American History and Literature" under the sponsorship of the Kellogg Institute and the Graduate Association for Latin America held at Notre Dame, Ind., Oct. 7.

Kathleen Maas Weigert, faculty liaison/academic coordinator in the Center for Social Concerns, concurrent associate professor of American studies and faculty fellow in the Kroc Institute, co-led a workshop on "Processing Justice Education" at the 1992 summer conference on Justice and Peace Education of the Association of Catholic Colleges and Universities at Sacred Heart University in Fairfield, Conn., June 4-6.

John P. Welle, associate professor of romance languages and literatures, gave the invited lecture "Pasolini's Politics of Rewriting" at the international symposium "Pier Paolo Pasolini: The Eyes of a Poet" sponsored by the Istituto italiano di cultura of Chicago, the Italian Ministry of Foreign Affairs and the Art Institute of Chicago held at the Film School of the Art Institute of Chicago in Chicago, Ill., Oct. 3. He chaired the symposium and served as moderator for a roundtable discussion.

James F. White, professor of theology, gave four lectures on "The Americanization of Christian Worship" to the Central Ministerium of the Evangelical Covenant Church in Lake Geneva, Wis., Oct. 6-7.

John H. Yoder, professor of theology, presented the lecture "On Not Being in Charge" at the Center for Interreligious Dialogue series on Quietism and Pacifism in Western Monotheisms at Washington University in St. Louis, Mo., Sept. 26. He lectured on "Christian Environmental Values" at the conference on Human Values and the Environment, at the Institute for Environmental Studies at the University of Wisconsin in Madison, Wis., Oct. 2.

Randall C. Zachman, assistant professor of theology, presented "In This Is Love: The Love of God for Us in the Old and New Testament" to the adult education class at the Fourth Presbyterian Church in Chicago, Ill., Aug. 16, 23, 30 and Sept. 6. He presented "Dogmatics Colloquium: Trinity Scripture and Church" at the Center for Catholic and Evangelical Theology in Northfield, Minn., Oct. 16-18.

Deaths

Matthew A. Fitzsimons, professor emeritus of history, died Oct. 14. A member of the University's faculty since 1937, Fitzsimons was among Notre Dame's most influential and affectionately regarded teachers. Born July 1, 1912, in New York City, he held degrees from Columbia University, Oxford University and the University of Chicago, from which he received his doctorate in 1947. He specialized in 19th- and 20th-century British history, American foreign policy and the philosophy of history. In addition to numerous articles in scholarly and popular journals, he published several books in his field, including *The Foreign Policy of the British Labour Government*, *Empire by Treaty* and *The Past Recaptured*. In 1955 Fitzsimons succeeded Waldemar Gurian as editor of the *Review of Politics*, Notre Dame's quarterly journal of political philosophy. He served as the *Review's* editor until 1974, and continued to contribute articles for many years after his retirement in 1979. His recently completed history of the journal appeared in the *Review's* October issue. Fitzsimons was recipient of numerous honors for his scholarship and teaching, including the Rev. Charles E. Sheedy, C.S.C., Award for teaching excellence in 1975.

Charles W. Snyder, associate professional specialist in psychology, died Oct. 16. A member of the faculty since 1966, Snyder taught Computer Applications to undergraduate students. Born June 3, 1928, in Wichita, Kans., he received the B.M.E. degree from Wichita State University in 1951 and a master's of science from Kansas State University in 1968.

Administrators' Notes

Appointments

Otho G. Bendit, who supervised the General Accounting unit for more than 25 years, has been appointed to the position of assistant to the comptroller.

J. Patrick Hickey Jr., marketing consultant with Mid America Group of Philadelphia, has been appointed to the newly-created position of assistant regional director in the New York development office. Hickey, a New York City native and a 1961 Notre Dame graduate worked in sales for Proctor & Gamble and was a special agent in the Department of National Intelligence before beginning a 24-year tenure as president and chief executive officer of B.R. Peters Oil Inc. and the Hickey Energy Group of Stroudsburg, Pa. In 1989 he became vice president for corporate development at Progress Industries, Inc., of Arthur, Ill., leaving that position in 1991. In addition to numerous other affiliations in professional and community service organizations, Hickey is co-founder and past president of the Pocono Mountains Notre Dame Club and a member of the Alumni Senate.

William F. McKinney has been appointed director of accounting, succeeding Otho Bendit as the supervisor of general accounting functions. McKinney, a 1977 Notre Dame graduate with a degree in accountancy, received an M.B.A. from Indiana University. His professional certifications are the C.P.A. and C.I.A. McKinney has been a University employee since 1977, starting in Internal Audit and then moving into the Comptroller's Office in 1988.

Christopher J. Ruhe has been appointed assistant director of Residence Life. Formerly the residence hall director and housing coordinator at the University of Portland, Ruhe earned a bachelor's degree in government and international studies from Notre Dame in 1982, and in 1989 received a master's of divinity degree from the University. He served as assistant rector at Zahm Hall during the 1988-89 academic year.

Honors

Bernard T. Blais, assistant investment officer, has been awarded the Chartered Financial Analyst designation by the Trustees of the Institute of Chartered Financial Analysts (ICFA). Earning this distinguished designation requires passing three six-hour examinations, three years of experience related to investments, and adherence to the ICFA Code of Ethics and Standard of Professional Conduct.

Activities

Phillip Johnson, assistant director of Security, and Gary Shumaker, director of Facilities Operations, gave a presentation on Access Control Systems at the annual conference of the Midwest Association of Physical Plant Administrators held at the University of Iowa in Iowa City, Iowa, Oct. 12-14.

The Mission Statement of the University of Notre Dame

Prenote: The Context of the Mission

The following statement of purpose and definition will speak of the University of Notre Dame as a place of teaching and research, of scholarship and publication, of service and community. These components follow quite naturally from certain distinctive characteristics of Catholicism. The first is sacramentality. The Catholic vision encounters God in all things — people, events, the world at large, the whole cosmos. It is in and through the visible world and our endeavors within it that we come to know and experience the invisible God. The second is mediation. The Catholic vision perceives God to be not only present in, but also working through persons, events and material things. The Catholic believes there is an intelligibility or coherence to all reality, discoverable through the mind and the imagination, and through the sciences which give shape and discipline to both. The Catholic further believes that all human activity is called into collaboration by God to bring this world to its completion. The third is communion. The Catholic vision sees the way to God and God's way to us as communal, not individualistic, and that the consummation of the world lies in a communion of persons. That is why the Church as a community has had such a significant role in Catholicism, and why Notre Dame has always conceived of itself as a family and has fostered familial bonds at every level of its institutional life.

These three characteristics find their source and reality in Jesus Christ, the incarnation of the divine in the human. He is the sacrament of divine presence among us. He is the mediator who manifests God's love to humanity and who teaches the way to salvation. He is the Lord who formed a new kind of community to preach the coming of the Kingdom. A Catholic university, then, draws its basic inspiration from Jesus Christ as the source of wisdom and its mission from the conviction that all things can be brought into their completion in Christ.

As the University draws its inspiration from Jesus Christ, it understands the imperative for higher education to be heightened by critical developments that have made of this planet one world. Religious and cultural, technological and environmental, economic and political challenges make up that world. Free women and men and the communities they form will direct this world into its next millenium. The shape it takes will reflect their knowledge, their skills and their commitments — in a word, their education.

The Mission Statement

The University of Notre Dame is a Catholic academic community of higher learning, animated in a special way from its origins by the Congregation of Holy Cross and dedicated to the communal pursuit and sharing of truth. This University exists that through free inquiry and open discussion the variant lines of Catholic thought might intersect with all the forms of knowledge found in the arts, sciences and professions. This University is Catholic in its deliberate determination to render to the Church and to the world this unique service in Christian wisdom.

This purpose is concretely realized in the intellectual interchange that constitutes the life of the University, the development of its students and faculty, and the advancement of knowledge through distinguished teaching, research, scholarship, publication and service.

Therefore, the University of Notre Dame essentially includes within itself the presence, the voices, and the contributions of diverse scholars and students, both those who represent the Catholic intellectual heritage and those from other traditions. The diversity of Notre Dame is further enhanced by the presence of different races and ages, nationalities and genders. This pluralism enables and enriches the exchange that forms the University community. The continuing presence of a predominant number of Catholic intellectuals is crucial for the Catholic identity of the University. What is asked of all scholars and students, however, is not a particular creedal affiliation, but a respect for the objectives of Notre Dame and a willingness to enter into the conversation that gives it life and character. The University, consequently, insists upon that academic freedom which makes this open discussion and inquiry possible.

The University fosters the development in its undergraduate students of those disciplined habits of mind which are inculcated by the liberal arts and which characterize educated, free human beings. Such skills are: to read with critical understanding; to think and express oneself with clarity and coherence in speech and writing; to frame problems of theoretical inquiry or practical action with a sense of the relevant evidence, historical context, and procedures appropriate for a reasonable resolution; to possess an understanding of quantitative thinking and scientific method; to comprehend something of the great discoveries of science and technology as well of their contemporary promise; to think in a manner that is both insightful and creative and to recognize this in others; to analyze issues philosophically back to their fundamental presuppositions; to grasp the significance of God's self-revelation in Jesus Christ and to apprehend the theological implications of knowledge gained in other disciplines as these relate to the great questions of human existence.

Together with these liberal capacities of mind, the University cultivates in all its students a humane sensitivity both to human accomplishment and to human misery: an appreciation of such great achievements of human beings as are found in art and literature, history and sociology, mathematics, technology and science; a disciplined sensibility to the poverty, injustice and oppression that burden the lives of so many of their fellow human beings. Such a sense of human solidarity and a developed concern for the common good reaches its fulfillment as learning becomes service to justice.

As a research university, Notre Dame takes the responsibility not only for the diffusion of knowledge through the academic formation of its undergraduates, but also for the advancement of knowledge in a search for truth through original inquiry and publication. This objective particularly engages the faculty and the various divisions of the graduate program, but also its professional schools and special institutes. As a university committed to public service, Notre Dame sponsors professional schools that equip their students for a particular career with the skills and disciplines proper to each. The University also sponsors special institutes whose focus is research and science on pressing contemporary social issues. The graduate programs, the professional schools and these special institutes, aided by the general ethos of the university, also foster in their students those intellectual habits and humane sensibilities that the University expects from all its graduates.

The Catholic character of Notre Dame as an academic community depends upon the seriousness with which the religious dimensions of all human learning are recognized, given priority, and explored throughout the University.

The University embodies its deep concern for the religious and moral education of the students not only in the academic reflection brought to bear upon ethical and social issues but also in its encouragement of a manner of life consonant with a Christian community. Residential life contributes significantly to develop in the students that sense of community and of responsibility which prepares them for subsequent leadership in building a society that is at once more human and more divine. As a Catholic community, liturgy and retreats, spiritual direction, volunteer work and the continual promotion of service, permeate the life of the University and contribute to the complete education of the human person.

In all of these dimensions of the University, Notre Dame pursues its objectives through the formation of an authentic human community graced by the Spirit of Christ.

Academic and Faculty Affairs Committee of the Board of Trustees: Summary of the Minutes October 1, 1992

Present at the meeting:

Trustees: Patrick McCartan, chair, Ernest Bartell, C.S.C., John Caron, Robert Conway, Carl Ebey, C.S.C., William Lewers, C.S.C., Timothy O'Meara, Nathan Hatch

Faculty: David Burrell, C.S.C., Paul Conway, Ken Milani, Phil Quinn, Richard Sheehan

Observers: Isabel Charles, Roger Schmitz, Francis Gillespie, S.J.

Patrick McCartan thanked John Caron for his leadership and noted the *oversight* and *policy* functions of this committee. The agenda will be set in collaboration, and faculty will be expected to make an opening report for each meeting, with trustees suggesting areas of concern from their perspective. We hope to refocus the "teaching vs. research" mindset by proposing ways to enhance undergraduate education and focus on key graduate programs.

David Burrell and Phil Quinn gave a report on the events leading up to the "April accords" concerning faculty participation in governance, and summarized the two summer meetings of the working committee of administrators and the faculty members of this committee. Their results were communicated to the University community in the "interim report" and the final deliberations regarding the make-up and roles of the advisory committee to the provost for academic planning will be completed in November. There is a palpable sense of working together to meet a common set of concerns.

Richard Sheehan, chair of the Faculty Senate, thanked Paul Conway for his leadership through the years immediately preceding this, and set a pro-active course for the senate. The items relevant from the April accords — a self-study of its operation and deliberate consideration of the Catholic identity of Notre Dame — are matters for specific senate committees.

It was recommended that students be invited to our committee and faculty to the Student Affairs committee when topics of mutual interest will be discussed. This strategy was seen to be preferable to one of the standing cross-representation.

The committee considered possible topics for future deliberation: student financial aid, faculty teaching responsibilities, and the quality of teaching at Notre Dame.

Documentation

Colloquy for the Year 2000

Committee on Mission, Opportunities and Challenges

August 27, 1992

Members present: Mr. Greg Butrus, Ms. Tracey Colpitts, Professor Francis Connolly, Mr. Matthew S. Cullinan, Professor Lawrence Cunningham, Sister Elaine DesRosiers, Professor Thomas Frecka, Mr. Charles Hegarty, Ms. LaTonya Keaton, Mr. Alan Krieger, Mr. Charles Lennon, Professor George A. Lopez, Mr. James Lyphout, Father Edward A. Malloy, Professor Marvin Miller, Professor Carol Mooney, Father Thomas O'Meara, Father Mark Poorman, Father Joseph Ross, Professor Donald Spicer, Father Richard Warner, Professor Kathleen Maas Weigert, Mrs. Rita Winsor (Gautier), and Col. David Woods.

Father Malloy opened the meeting with a prayer. He continued by reviewing the Colloquy process for the fall. He detailed the necessary work of the Committee on Mission, Opportunities and Challenges and how that will flow into the larger work of the Committee for the Whole. The final product of the Colloquy will be a report to the Board of Trustees from the President of the University. The final report will not encompass all of the material in each committee's report. The bulk of the report will focus on academic life. The Committee on Mission, Opportunities and Challenges will have a smaller contribution to the text but it still will be significant. He moved the discussion to the Mission Statement.

Professor Mooney stated that the text has not changed but the presentation of the format is revised. This comes from the original debate about the "Pre-note." In her view, placing the "pre-note" in smaller type but next to the Mission Statement and making it clear that it is the context of the Mission Statement should help head-off much of the debate.

Professor Cunningham related that there was a fear of so much debate of the "pre-note" that most members of the Notre Dame community would not make it to the Mission Statement.

Father Malloy asked if there was a consensus to go forward with the document in this new format. Miss Keaton related that she would prefer an abstract of the "pre-note" at the top but after further discussion, it was decided that this would be impractical.

Professor Mooney stressed that the current layout is a compromise based on discussions both in the Committee on Mission, Opportunities and Challenges and in the Committee for the Whole.

Mr. Krieger stated that he still would like to see the pre-note at the beginning.

Father Malloy injected that these are the same concerns that had been raised in the other meetings. He asked if there was consensus on the statement and agreement to go forward with it in this format.

Mrs. Winsor (Gautier) raised the issue of staff. She asked why aren't staff more involved in the Colloquy.

Professor Cunningham returned to the issue of the Mission Statement and stated that he assumed that the Mission Statement would be put out in the public domain.

Dr. Maas Weigert suggested that it go to the College Councils, Faculty Senate, *Observer*, Academic Councils, etc.

Father Malloy was concerned that the group be able to get a quick response. He noted that all standing mechanisms available at this point have a time-lag.

The group agreed that the Mission Statement should appear in some format, either as an insert or otherwise in the *Observer* and that the Mission Statement should be mailed to those specific groups mentioned by Dr. Maas Weigert.

Mrs. Winsor wanted to ensure that the Mission Statement was available to the staff. She suggested that it might be run in the Staff Newsletter or placed on bulletin boards.

Father Ross asked what do we expect from responses?

Father Malloy observed that the group that responds will be largely critical and that we need to sift through these responses for issues that we might have missed.

Professor Connolly suggested that collective responses from bodies such as the Faculty Senate or Academic Councils might move away from what he described as the gratuitously negative responses we might get otherwise.

Sister DesRosiers suggested that it might help to guide responses by providing questions.

Professor Cunningham observed that we do not want to lead the University community too much.

Father Malloy asked the members of the Subcommittee on Mission to formulate a preparatory letter with a deadline for responses. He suggested that we go ahead with the group's recommendation to use the *Observer* to publicize the Mission Statement and to send the Mission Statement to representative bodies.

Documentation

The Subcommittee on American Higher Education

Professor Frecka related that there are no committee reports at this point but there are individual reports.

Father Malloy asked the subcommittee to get together and combine individual reports so that they can bring this to the Committee on Mission, Opportunities and Challenges.

American Cultural Report

Professor Miller opened the discussion of the American Cultural Report by asking if the topics as they appear are appropriate.

Professor Spicer added that with the information section of the report that the group had tried to highlight opportunity and challenges provided by cultural changes.

Father Malloy suggested that the work of the committee was to contextualize how American culture influenced the University.

In relation to information technology, Father Malloy asked how are cost effectiveness and productivity improved by more technology and in the case of education, is it improved significantly?

Professor Miller responded that it is hard to measure productivity for the University in these terms. He stated that teaching is not always about class hours.

Professor Frecka injected that teaching is no longer constrained by time or space because of various technologies available to faculty.

Dr. Maas Weigert raised a concern about how using technology or not using technology is perceived in the larger community. She noted that there is some sense around campus that "if you are not in DeBartolo you are not a good teacher."

Professor Connolly would like to shorten the report from the American Culture Subcommittee and is worried the group is not willing to make concrete recommendations.

Father Ross would like the group to say a little bit about diversity issues.

Professor Cunningham believes that we need to resist the notion that technology is a panacea. He feels that his own unwillingness to learn more about technology dates him in some way and that there are new expectations and skills which come along with technology.

Professor Frecka believes in the benefits of technology. However, as he sees it, Universities do not do a good cost benefit analysis of the trade offs of technology.

Professor Miller moved the discussion to the category of opportunities for graduates. He noted that there are a tremendous number of jobs requiring the ability to use high technology. He believes that our students will come out ahead if the University invests and takes risks now with technology.

Father Malloy stated that it is important to put the use of technology in its importance in the context of a larger community. Science and engineering are prone to use high technology but what about faculty in areas such as law, arts and letters, and business administration.

Mr. Hegarty noted that you cannot compete in law without knowledge of how to use the West Law and Lexus computer systems. If Notre Dame wants to improve or maintain its programs, it needs to be able to compete in its use of technology.

Miss Keaton agreed with Mr. Hegarty. As she sees it, the number one issue for students is the prestige of the University. She believes technology will play a larger and larger part in deciding the quality and status of a University.

Professor Miller moved the group to the next topic.

Entrepreneurial Activity

Professor Miller asked should the University foster entrepreneurial activity. In his view this is an excellent example of the ability to couple teaching and learning. In discussion with faculty in the University, there was a mixed attitude about the University promoting entrepreneurial activity. Some faculty feared competition and hinderance to teaching and research among faculty and specific departments. Some wanted the University to only passively support entrepreneurialism.

Father Malloy asked what is meant by entrepreneurial activity. Dr. Weigert added that to her, it sounds like patents and scientific research. In her view, her work does not fit into the category of entrepreneurial activity.

Professor Miller described entrepreneurial activity as ideas that can be used and marketed.

Professor Spicer added that many large universities see this activity as an opportunity for faculty and use it as a draw for faculty as well as a revenue source for the University.

Dr. Maas Weigert suggested that the group needs to explain entrepreneurial activity better and give some examples.

Documentation

Father Malloy injected that one criticism of faculty at large research universities is that personal gain often comes at the expense and with the support of the university. He also added that it presumes that in order to be a major university you need to have entrepreneurial activity.

Professor Frecka suggested the group clarify the issue before making the recommendation.

Professor Connolly suggested that one measure of the success of entrepreneurialism should be an increase in the vitality of the academic community.

Father Poorman stated that he is not sure about the place and the need for a category of entrepreneurial activity in this report. He suggested that the financial side of entrepreneurialism could tear the University apart.

Mr. Lennon described entrepreneurialism as a mind-set. He suggested that the group needs to elaborate more on the intellectual entrepreneurial spirit.

Mr. Krieger moved the discussion to the next topic.

The National Economy and Notre Dame

He related that the tenor of the text is a balance between the need to provide relevant opportunities while maintaining allegiance to the cornerstones of Catholic higher education (values, ideals, etc.). Sister DesRosiers observed that at a time when state colleges are struggling, Notre Dame might have the opportunity to improve its faculty greatly.

Professor Miller raised the issue of donors driving the mission priorities of the University when it should be exactly the opposite. Father Malloy stated that all of these issues fall under the rubric of Notre Dame's relation to the national economy and its fund-raising operation. He suggested that the group continue this discussion of the report of the subcommittee on American culture in the next meeting.

The meeting closed.

Respectfully submitted,

Matthew S. Cullinan

Committee on Mission, Opportunities and Challenges

September 15, 1992

Members present: Mr. Greg Butrus, Ms. Tracey Colpitts, Professor Francis Connolly, Mr. Matthew S. Cullinan, Professor Lawrence Cunningham, Sister Elaine DesRosiers, Professor Thomas Frecka, Mr. Charles Hegarty, Ms. LaTonya Keaton, Mr. Alan Krieger, Mr. Charles Lennon, Mr. James Lyphout, Father Edward A. Malloy, Professor Marvin Miller, Professor Carol Mooney, Father Thomas O'Meara, Father Mark Poorman, Father Joseph Ross, Professor Donald Spicer, Father Richard Warner, Professor Kathleen Maas Weigert, Mrs. Rita Winsor (Gautier) and Col. David Woods

Absent: Professor George Lopez

Father Malloy opened the meeting with a prayer. He immediately turned the discussion over to the members of the Subcommittee on American Culture.

Sister DesRosiers opened the discussion of the document produced by the Committee on American Culture. She commented that the discussion was unfocused at the last meeting and that the group has developed a shorter document to help sharpen it. The subcommittee took the recommendation of the members of the Mission, Opportunities and Challenges Committee from the last meeting and excluded the recommendation sections. The subcommittee felt it was impossible for American Culture to make recommendations and it would be better to identify opportunities and challenges the University has before it.

1 - Impact of the Information Age

Dr. Maas Weigert commented that the group should be conscious of their use of the word "Mission." All of the subcommittees need to be consistent in their use of the word and it should relate directly to the Mission Statement.

2 - Issues Affecting Incoming Students

Father Malloy observed that financial aid is a concern raised in nearly all of the committees of the Colloquy.

Father O'Meara asked, does demographics mean population shifts or more than that?

Professor Frecka responded that he sees it as the change in the mix of our student population.

Father Warner was concerned about the call to balance our Catholic heritage with a more diverse student body. He wondered is it more diverse religiously or ethnically. He suggested that the group clarify this in their report.

Documentation

Professor Connolly asked how can the University use its Catholic heritage as a strength rather than appearing to defend its heritage.

Father Malloy suggested that the wording be in the form of a question; how can the University achieve a more diverse student body consistent with its Catholic heritage? He raised the issue that we needed to be able to recognize the needs particularly of our Black population which is not in majority Catholic.

3 - Issues Affecting Opportunities for Graduates

Professor Frecka along with Father Ross, Professor Mooney and Miss Colpitts stated they don't understand what the title means.

Professor Miller stated that in the longer version, of their report, it relates to the needs of a high technology society.

Father Ross and Father Malloy agreed that they need to mention this specifically in the report and that there might need to be more context added to this statement.

Professor Irvine argued that an aggressive research faculty should inherently keep up with advances in high technology and that this should not be an issue.

Professor Miller disagreed because the University can focus its resources on programs which do not relate to high technology. He added that given financial constraints, that there will be areas of new research which may not get resources.

Dr. Maas Weigert asked what happens to undergraduates?

Professor Irvine answered that there is a direct relationship between research and the undergraduate experience.

4 - Issues Affecting Entrepreneurial Spirit and Activity

Professor Connolly observed that there may be a different model of universities emerging in the 1990s. In the areas surrounding Boston, near Stanford and Research Triangle Park in North Carolina, there is an emerging relationship between industry and universities which is much different than the classical 19th century notion of a university.

Father Poorman suggested that this should be included in the report on American trends.

Professor Miller responded that in the longer version of the report, this section on entrepreneurial spirit has been revised to include more context.

Father O'Meara suggested that the section on entrepreneurial spirit should include consideration of the ethical value of the University and how they relate to entrepreneurialism.

5 - Issues Related to the Natinal Economy and Notre Dame

Professor Cunningham observed that this section picks up on the relationship between the economic climate and the need to allocate scarce resources.

Father Poorman suggested that again this has more to do with the priorities than with mission. He cautioned, in agreement with Dr. Maas Weigert about the use of "Mission."

Professor Cunningham returned to the issue of priorities. He observed that some colleges may have small departments which they cannot do without. He used as examples: classical languages as they relate to various fields of study.

Father Malloy suggested that the important portion of this section is on the restricted economic climate. This will have the greatest impact on the University in the upcoming years. He also suggested that the Subcommittee on American Culture move away from setting priorities; that is mainly the task of the Committee for Academic Life.

Father Malloy moved on to discuss the dilemma many private universities face in that the wishes of the university do not always correlate directly with the wishes of the benefactors. He asked what about this challenge is specific to American culture? He suggested that private universities are very fund-raising dependent and that often the benefactors have a take-it or leave-it attitude to their gifts. His approach to this problem is that the University usually accepts the gifts, keeping in the back of its mind that over 10 years they hope that their ability to fund various priorities will level off.

Mr. Krieger suggested that the urgency of the issue is accelerated by the economic climate. He believes that it will be a more efficient use of resources if academic planning were driving fund raising.

Father Malloy suggested again that the group needs to think in a 10 year increment on this issue. The cycle that the University usually goes through is that it produces a self-study which is turned into a fund-raising plan which is then used to target our benefactor pools. Some categories are under-subscribed. Benefactors like some categories more than others. As a result, it may appear that our fund raising plan places priority on one category over another. The hope is that over 10 years the needs of the University will be fulfilled by our benefactors. The net effect is that all categories share the wealth equally.

Professor Irvine disagreed with the suggestion that the University develop academic programs based on gift-giving. In his opinion, this is not true, there is tuition research grant and unrestricted income from endowment which plays a large part in the University budget.

Documentation

Professor Connolly suggested that the call is for the University to better market its needs.

Father Warner observed that the trend over time seems to be there is a great decrease of people willing to fund or support anything. He believes it is not just the troubled economic climate.

Father Malloy added that when benefactors who make pledges hit hard economic times, they must pay their pledges more slowly. He also observed that we are at the point where an increase in the price of tuition results in decreasing willingness to pay.

6 - Issues Related to the Breakdown of Values in Society

Father Malloy stated that many of the issues discussed in this section have been picked up also in the Student Life Committee.

Dr. Maas Weigert suggested that in her view, poor schooling was not necessarily true for our students.

Professor Irvine and Professor Spicer suggested that a high school education was certainly better 20 years ago.

Professor Connolly asked that the call for reinstitution of the education school be struck.

Father Malloy brought up Dr. Roland Smith's new group that is interested in education but not necessarily in reinstating the education school.

Father Poorman asked why land on these three categories? He suggested that they might also consider consumerism and secularism as other great threats to values.

Father O'Meara agreed with Father Poorman that you need to spell out these categories with sharper examples.

Professor Frecka observed that the University students are basically upper middle-class and come from traditional families.

Professor Cunningham stated that while the University may have a homogeneous culture that Catholics do reflect transient society.

There are going to be increasing numbers of students who come from single parent families, from families involved in divorce, etc.

Father Warner observed that we may remain a homogeneous student body but the University may be moving toward a student body whose majority is from non-traditional families.

Mr. Lennon suggested that the group return to the idea that the purpose of the report is to provide context.

Col. Woods observed that we should look beyond personal and social situations to include professional and other situations.

7 - Issues Related to Interface With the Community

Father Malloy related that one major issue brought up from his visit to the Law School was the debt that students carry from Law School. This has a major impact on the career choices of law graduates. Many are unable to consider lower paying jobs.

Dr. Maas Weigert asked the subcommittee to remember the non-traditional experiential education. The divide in the University is not clearly between academic and non-academic endeavors.

Professor Cunningham responded to the phrase "danger of an ivory tower mentality." He believes the first obligation of the University is to bring students here to study. This then enriches their experiences outside the University.

Dr. Maas Weigert injected that students are at the University to learn and that there are many different avenues to accomplish this.

Professor Irvine suggested that as a member of the local community, he does not want people coming to do things for him.

Mr. Hegarty stated that the interaction with the community is vital to the learning process.

8 - Issues Related to the International Aspect of American Culture

Professor Cunningham opened by asking does the larger document discuss language study?

Father Poorman suggested that the document as a whole needed to include faculty and staff, not just students.

The issue of Notre Dame's support for work in the Northeast neighborhood was raised. There was some concern expressed about the University using money to support development in the local community.

Miss Colpitts observed that the wrong issue is about where the money comes from.

Professor Cunningham added that the University and its faculty and students need to live in a larger community and there was a good pragmatic reason for investing in the com-

Documentation

munity. He also suggested that this was in line with Catholic social obligations.

9 - The Mission Statement

Father Malloy asked the members of the Subcommittee on Mission to discuss the reactions of the community to the Mission Statement as it was published in the *Observer* and forwarded to representative groups in the community.

Dr. Maas Weigert suggested there were several issues raised by the Hall President's Council. First, that the document was too long and there was some redundancy. Second, that it was hard to sift through the document. Third, the use of the word "predominant" in relation to the number of Catholics here on campus. Fourth, the implication in one paragraph that Catholic character could go out the window very soon depending on the whim of the administration.

Mr. Butrus observed that the debates were similar to those experienced in the subcommittee discussion.

Father Malloy asked what was the sentiment of the discussion.

Mr. Butrus stated that in the Student Senate and Hall President's Council, every group found something in the Mission Statement that they liked.

Father Poorman's experience with the Holy Cross Community was that overall there was a positive response. There was some discussion that the Mission Statement was in the present tense and did not look to the future enough. At least one member of the Holy Cross Community suggested that the Mission Statement never pointed out how we are connected to Rome. Another member felt the Mission Statement slighted the creative arts.

Father Ross added that the Holy Cross community wants to put their comments together and prioritize them so that they can help the Subcommittee on Mission make any revisions to the document.

Father Warner stated that from his discussion, that some were concerned that the Mission Statement did not relate enough to the experience of broader "churches" outside of our own.

Professor Cunningham related that his conversations with other faculty had been mostly favorable. Some of the faculty in fact singled out the prenote as especially good.

Father O'Meara felt that the people he had spoken to liked the statement and were quite enthusiastic.

Colonel Woods noted that there had been no feedback from the staff as of yet.

10 - Report of the Subcommittee on Structures and Processes

Professor Connolly, chairman of the Subcommittee on Structures and Processes ran through the beginning recommendations. There are three recommendations pertaining to student groups. The first relates to revisions of *du Lac*. The subcommittee recommends that there be more student input and comment into the process of revising *du Lac*. The report lays out a recommended structure of a committee to help Student Affairs review *du Lac*.

Mr. Hegarty observed that the Law School and the MBA School need a mechanism for input. This could be either a seat or the promise of being involved in the consultative process.

Mr. Butrus observed that *du Lac* revisions are one of the top concerns on campus. He related that the Campus Life Council is suppose to serve this function. He asked can revision of *du Lac* take place without consulting this new committee?

Professor Mooney asked does a formal body already exists that could be changed so that it is able to undertake this function?

The response was that the CLC (Campus Life Council) was such a body. Unfortunately, Campus Life Council is new every year and it would have difficulty adapting to the schedule for *du Lac* revisions.

Father Malloy suggested that the central question relates to the University's claim to distinctiveness and what ideals and specific rules are part of this distinct culture. Certain restrictions such as parietals will never be approved by students. Nevertheless, the challenge is to stand for values connected to the fundamental mission of the University and give a signal to students about our expectations and their accountability.

He personally has no problem with an advisory committee to assist in the process of *du Lac*.

Father Ross stated that the University needed to respond to frustration among students about not being involved in the process.

Professor Cunningham stated that students feel like they have not been consulted in the past and this is an opportunity to bring them into the process. However, we need to impress on the students that this is solely an advisory role.

Father Poorman asked again is this a duplicative process?

Father Warner stated that the only way the Campus Life Council would be able to undertake this task would be to

Documentation

invoke the request of the vice president of Student Affairs about revisions.

Col. Woods added that they would need to modify the by-laws of the Campus Life Council.

Professor Connolly moved the group to recommendation two of the report.

The recommendation calls for the provost to provide information to recognized student groups for the purposes of their reports. This relates particularly to the Undergraduate Education Committee of Student Government.

Professor Connolly stated that this recommendation is in an attempt to support undergraduate interest and their education as evidenced by the Back to Basics Report from Student Government last year. He added that he had spoken to the provost and that the provost did not have a problem with the recommendation.

Dr. Maas Weigert asked will the Education Committee of Student Government last?

Mr. Butrus responded that it is in the constitution.

Father Malloy suggested he would like to see a one sentence format for recommendations, and also graduate student groups rather than just undergraduate student groups be part of the recommendation.

Professor Frecka stated that he does not support the recommendation. He sees no need for it.

Mr. Butrus injected that the quality of undergraduate education is the most significant issue for undergraduates. He added that Student Government needed to get data to make its report on undergraduate education to the Trustees and that they had had some trouble to this point accessing that data.

Father Malloy asked is it the wrong data, a bad data set, or are they asking the wrong questions?

Mr. Butrus responded that they had had problems recently getting the data that they thought they needed for the report.

Professor Cunningham stated that the report of the subcommittee should include a line that it is the provost's judgment as to what is confidential for purposes of releasing information.

Father Malloy asked that the group finish reading the Subcommittee on Structures and Processes Report and that we take up the discussion again at the next meeting on September 24.

The meeting closed.

1991-92 Faculty/Student Committee on Women Report

To Father Edward A. Malloy and Professor Timothy O'Meara

April 28, 1992

Committee Members: Eleanor Bernstein, C.S.J., William Berry, Kathleen Cannon, O.P., Rachel Flanagan, Julia Knight, Eileen Kolman, Louise Litzinger, James Pattison, Margaret Porter, Patricia Quattrin, Philip Quinn, Juan Rivera, Jennifer Warlick

I. Issues Addressed

1. WORSHIP — Eleanor Bernstein

University policy calls upon members of the Notre Dame community "to use respectful and gender-inclusive language in its official proclamations and documents and to adopt such usage in the conduct of their work." Sound theology and pastoral awareness require that the language used in liturgical texts, as well as in other aspects of the liturgy should facilitate the full participation of all in the worship of the Church. Liturgical language should include all people and, in particular, should never be discriminatory toward women.

Be it resolved, therefore, that the texts of the liturgy — indeed all aspects of the liturgy — employ gender-inclusive language, and we call upon members of the University community, especially those responsible for the conduct of the liturgy, to adopt such texts in their worship life.

2. SPOUSAL HIRING — Jennifer Warlick

This issue is being studied jointly by our committee and the Affirmative Action Committee. We perceive two separate problems:

- locating nonacademic jobs for the spouse of Notre Dame employees; and
- locating academic jobs for spouses

Nonacademic Jobs: Representatives of both committees visited Roger Mullins in late summer 1991 to share with him our concerns and to brainstorm about possible steps which could be taken to assist the spouses of current and potential employees. Since then, Doug Hemphill has assumed responsibility for the planning and operation of a regional communication network among the area's leading employers in the private and public sectors, including other academic institutions within a reasonable commuting distance. Members of the committees discussed with Doug in late March developments to date and have offered their assistance.

Documentation

Academic Jobs: Inquiries by members of our committee have yielded two national surveys regarding the policies of other universities and colleges. One clear lesson which comes from an examination of these materials is that there is not a single solution to this problem. Other institutions employ a variety of options. The committee is in the process of selecting from among various alternatives that recommendation it wishes to endorse.

3. SEXUAL HARASSMENT

a. Survey — Jennifer Warlick

Data from the sexual harassment survey conducted among students and faculty during the spring semester 1991 were analyzed over the summer and fall. The full report with appendices was distributed to the president, the provost, the vice president for Student Affairs and the director of the Counseling Center. The executive summary was reprinted in the *Observer* on December 9, 1991. Public forums to discuss the report were held in late January and early February 1992.

The results of the survey confirmed the committee's intuition that there is a need to educate both students and faculty about what constitutes sexual harassment and the University's policy about sexual harassment. The Education Subcommittee is currently planning educational activities. In response to the finding that most victims of sexual harassment do not report it, our Subcommittee on Procedures is exploring the possibility of creating a network for informal reporting and advising to supplement the formal measures outlined in the University's policy.

b. Procedures — Louise Litzinger

The development of procedures for handling sexual harassment cases has been listed as a priority in the minutes of the Faculty/Student Committee's meetings from the very beginning. The current subcommittee held its first meeting in late February. We began by reviewing the present policy and the information gathered by the previous subcommittee. We consulted current literature on the topic and did some additional research on policies and procedures from other universities.

Equally important, we have listened to the expressed needs of women on this campus through the results of the Sexual Harassment Survey and the open forum that followed, as well as through ongoing contacts by members of the subcommittee who represent a broad cross section of the campus community. Again and again we hear from women, especially students, of the need for informal channels that would provide information about how the proceedings might evolve once a formal contact is made. Such informal channels serve to clarify misconceptions so that individuals

are encouraged to come forward without unwarranted fear of reprisal. Some concerns raised by women include the following:

- Need for informal channels as initial contact
- Lack of clarity about procedures
- Confidentiality and non retaliation
- Record keeping

c. Education — Juan Rivera

4. ACADEMIC CLIMATE FOR WOMEN STUDENTS — Kathleen Cannon

a. Undergraduate issues and concerns — Rachel Flanagan

Six proposals/recommendations/observations were presented.

- The most important point in Rachel's mind is smaller class size. She believes this will improve the quality of education for all, but women will receive a proportionately bigger boost. There followed a discussion of various studies relating women's performance to class size.
- Gender inclusive language is not being used in the classroom. The policy is good and known, but not followed.
- On essay exams students should either use just a social security number or sign at the end of the paper. This recommendation is based on studies which show professors give higher grades to male students if they know they are male.
- Professors should strive to update syllabi to include successes of women.
- This committee should have two undergraduates, one junior and one senior. Patricia stated it should also have two graduate students serving staggered two-year terms.
- Rachel concluded with a question on the role of the committee: Is it a liaison committee or an advisor to the president and provost. She recommended the role of the committee be redefined.

b. Resolution on class size — Phil Quinn

Research indicates that women students participate on the average less frequently than men in college class discussion and therefore the lack of opportunity for discussion in very large classes has a disproportionate effect on women undergraduates:

Be it resolved that the Student/Faculty Committee on Women expresses its particular concern, for the sake of women undergraduates, about the problem of too many

Documentation

very large classes, throughout the University but especially in the College of Arts and Letters, as described in the report of undergraduate Student Government to the Board of Trustees, "Back to Basics: Undergraduate Education at a 'National Catholic Research University'";

Be it further resolved that the Student/Faculty Committee on Women ask the senior administration to regard with urgency and to assign highest priority to the task of providing the additional resources required to solve the problem of too many very large undergraduate classes at Notre Dame.

5. BOOKLET ON WOMEN'S GROUPS ON CAMPUS — Kathleen Cannon

II. Discussion of the Role and Effectiveness of the Committee — Eileen Kolman

We are concerned about our effectiveness:

- Have we been effective in making you aware of the issues affecting the environment for women on campus?
- Have we been effective in improving the environment for women on campus?

Perhaps we need to do more to convince you that issues need to be addressed. Perhaps we need to do more to convince others on campus that issues need to be addressed. Some issues are matters of policy, some are matters of administration, and some are matters of climate.

What is happening on issues we have been involved in or have an interest in?

- Recruitment of senior women faculty
- Recruitment and retention of women faculty in general
- Admission and retention of women graduate students
- A policy on parental leave
- Scholarships for women athletes and hiring of women coaches
- Implementation of the recent inclusive language policy
- Examination of gender bias in TCEs

We are not convinced that we have been effective in creating an environment of excellence for women to study, work, teach and conduct research.

Graduate Student Concerns and Issues — Patricia Quattrin

As I understand it from both official and non-official exchanges with graduate women, the most pressing issues which affect the academic environment of graduate women at Notre Dame are the following:

a. Sexual Harassment Policies and Procedures as they are now written and disseminated: They are user-unfriendly and extremely intimidating. There needs to be a liaison person or persons, either student and/or empathetic faculty, who can be approached as a first step, someone who is non-judgmental and can help sort out the incident or incidents as possible or serious harassment.

b. The Hiring and Retention of Women Faculty: The hiring of women faculty, *per se* is not enough. The University needs to hire *and retain*, i.e., tenure, women faculty who are not only research focused, but who also can serve as role models for graduate and undergraduate women, faculty women who reflect society as it is, i.e. single women, but also wives and mothers who succeed in balancing career with family life.

c. A Women's Center: Women are under-represented on this campus, both as students and as faculty. The University needs such a visible spot for coordination and dissemination of information and materials concerning the needs, issues, and opportunities particular to women, i.e., scholarships, international study programs, internships, etc. All our peer institutions have such a center. Graduate women coming to this campus express surprise that no such center exists. A Woman's Center would also function informally as a place where interested students and faculty, both men and women, could meet to discuss gender issues, could receive initial advising or support on sexual harassment problems, could plan and coordinate cultural activities such as speakers and performances (similar to those offered during the Year of Women), and a host of other possibilities. Such a center would allow men and women, both students and faculty, to come together in an informal, friendly, non-alcoholic, non-threatening environment to become socialized and sensitized to the problems and issues resulting from being male and female sexual beings on this campus and in this world.

d. Retention of Women Graduate Students: The climate here interferes with successful academic progress. Much research has been done by reputable and outstanding organizations on the "chilly climate" for women in the classroom and also on the different expectations and learning styles of women students in colleges across the country. Add to those experiences the sexist attitudes, the lack of female faculty, the subtle, although often blatant, preferential treatment afforded male over female graduate students, the lack of support for graduate research in women's studies or feminist theory, all of which are particular experiences to this campus, and the result is a large turnover in women graduate students (not to mention women faculty). Something immediate, positive and enhancing must be done to address this situation.

Documentation

246th Graduate Council Minutes September 30, 1992

Dr. Nathan O. Hatch opened the meeting at 3:30 p.m. on September 30, 1992, in Room 210, Center for Continuing Education.

Members absent and excused: Dean Francis J. Castellino, represented by Dr. John G. Duman; Dean John G. Keane, represented by Dr. Robert W. Williamson Jr.; Mr. Robert C. Miller, represented by Mrs. Maureen L. Gleason; Dr. Jeanne D. Day; Dr. Thomas L. Nowak; Dr. John H. Van Engen; Dr. Kimberly A. Gray; Dr. Gerald L. Jones; Rev. Wilson D. Miscamble, C.S.C.; Mr. John W. Houghton.

Guests: Rev. Fran Gillespie, S.J.; Dr. George A. Lopez; Professor Carolyn R. Plummer; Dr. Philip L. Quinn; Dr. Arvind Varma; Dr. Charles K. Wilber; Dr. James L. Wittenbach.

I. MINUTES OF THE 245TH GRADUATE COUNCIL MEETING

The minutes were approved without correction.

II. OPENING COMMENTS

Dr. Hatch introduced the new members of the Graduate Council and announced that Edward Augustine, the new assistant dean for Graduate Admissions, has begun an aggressive program to recruit underrepresented minorities into graduate programs at Notre Dame.

Dr. Hatch described the professional workshops sponsored by the Graduate Student Union. Topics included tips on lecturing, running discussions, supervising laboratories, grading and testing, and teaching across cultural and gender differences. Topics for senior graduate students included applying for grants and fellowships, writing the dissertation and entering the job market. Dr. Hatch thanked the faculty members, some of whom are council members, for their participation on the panels.

Applications to attend Graduate School at Notre Dame increased 13 percent in one year; 30 percent over two years. The quality of the incoming class has also improved. In one year, the average combined GRE scores of students seeking a Ph.D. increased from 1880 to 1950, and of students seeking a master's degree, from 1800 to 1877. Applications from Eastern Europe have increased dramatically.

Five members of the Graduate Council have been appointed to an *ad hoc* committee to discuss agenda items. They are

Kimberly Gray, civil engineering; Gary Gutting, philosophy; Jeffrey Kantor, chemical engineering; Scott Mainwaring, government and international studies; and Jeanne Day, psychology, who is on sabbatical this term. In the spring term, another committee will be appointed to explore the role of departmental reviews. The entire council will be asked in a future meeting to discuss financial priorities of the Graduate School.

The National Research Council has begun its assessment of graduate programs. Data will be analyzed in 1993 and the results published in 1994.

Dr. Hatch announced a new publication, *Notre Dame's Quiet Revolution*, which reflects the University's current status and aspirations in faculty development and research. Its audience will include the academe and foundations.

III. REVIEW OF THE DEPARTMENT OF MUSIC

Dr. Hatch called upon Professor Kathie Newman, chairperson of the internal review committee, to comment upon its report.

Dr. Newman summarized the report. Currently, there are only 11 first and second majors in music; seven first majors and 15 second majors graduated in the previous five years. The department consists of 18 faculty divided into theory/musicology and performance. Of the four master's programs, the M.M. in performance and literature attracts 24 of the 25 graduate students. The faculty in organ, piano and the strings were considered impressive. The fact that the department has no faculty in woodwinds, brass or percussion posed a problem. The theory and musicology programs have the strongest faculty in the department but the weakness of these programs lies in the current number and quality of their graduate students.

Long-range plans proposed by the department include the introduction of three new programs: a Ph.D. in musicology and in theory, and a D.M.A. in performance, including a new concentration in organ and church music. Equipment must be upgraded, especially pianos. The Music Library is woefully inadequate even for current programs.

Dr. Hatch asked Professor Ethan Haimo, chairperson of the Department of Music, for his comments on the review. Dr. Haimo thanked the reviewers for their analysis of a complex department in such a short time.

Concerning the faculty, Dr. Haimo stated the performance and academic faculty has increased both in quantity and quality. If conditions do not improve, however, this talent may go elsewhere. Dr. Haimo addressed the report's analysis of the performance faculty. While this group did not

Documentation

have broad international reputations, they did have the skill and repertoire necessary for their teaching role and appropriate for Notre Dame's mission.

Concerning the curriculum, Dr. Haimo worried that the report may have implied that three of the four master's programs were failures. The M.A. in theory and in musicology suffers for not being a Ph.D. program. This is unfortunate since the academic faculty makes Notre Dame one of the top programs in the country. As far as a program in church music is concerned, Dr. Haimo was hopeful that the department would be able to offer a credible program soon.

Concerning the facilities, while the DeBartolo building has solved some problems, a large concert hall is still lacking. The budget for the purchase of equipment is entirely inadequate. The library does not have even basic resources. Finally, the number of graduate assistant stipends needs to be dramatically increased in order to maintain a critical mass of performers.

As for student concerns, most expressed by graduate students have been addressed. The undergraduate problem can be resolved with an increase in "merit-based" financial aid.

In summary, "The Department of Music boasts an impressive faculty and a solid curriculum. . . . What we [the department] need, if we are to retain what we have, is a solid research library, a small selective Ph.D. program, additional G.A.s, adequate instruments, and a full-sized performing hall."

Dr. Hatch asked Professor Carolyn Plummer, director of Graduate Studies in music, for her comments. Professor Plummer reinforced Dr. Haimo's comments concerning the background and value of the performance faculty.

Dr. Gutting agreed that merit-based support for performers was needed but said that he would like to hear reasons for a Ph.D. program in theory and musicology and asked what new faculty would be required to implement such a program. Dr. Haimo stated that Notre Dame's faculty was quite interested in and capable of directing a Ph.D. program and might leave if not given the opportunity, that other programs in peer institutions were eroding, and that recent Ph.D. recipients can find faculty positions in musical theory and musicology. As for faculty, three new members would have to be hired.

Dr. Hallinan stated that the solution to most of the problems being discussed required an infusion of new money. What non-budget concerns were being addressed? Dr. Haimo stated that the curriculum is under continuous scrutiny. He interviews all graduates to determine how the department might function better.

Dr. Mainwaring asked why the undergraduate degree in music required 54 credits in the major. Dr. Haimo stated that this is suggested by the music department's accreditation organization and is less than other programs require.

Dr. Hatch asked Dean Attridge if he would care to comment. Dr. Attridge stated that the report reinforced what he had heard of the department's excellence.

IV. A CONCLUSION OF THE REVIEW OF THE INTERNATIONAL INSTITUTE FOR PEACE STUDIES

Dr. Hatch asked Professor George Lopez, acting director of the Peace Institute, for his comments concerning the review. Dr. Lopez addressed the following points.

As for the graduate program, the reviewers stated that the program needed a rigorous methodology course accentuating quantitative methodology found in the social sciences. Dr. Lopez agreed that such a course would be important if all of the four competing methodologies were addressed.

The reviewers felt that a master's thesis should be required. Dr. Lopez stated that the thesis is an option in the program, generally adds six months to the 12-month program, would require an increase in faculty to mentor the requirement, and has dubious value to the immediate future of the graduate. The students, even without a thesis, provide evidence for excellent research. There have been three U.S. Institute of Peace Fellowships, a Midwestern Association of Graduate Schools Distinguished Master's Thesis Award, publications and placement into top academic institutions for Ph.D. studies.

Dr. Lopez felt that the reviewers did not understand that now most of the International Scholars do receive a master's degree. He also stated that the class size probably may be too large but to correct this problem, many highly qualified applicants would have to be rejected and/or the size of the faculty would have to be increased.

Dr. Lopez felt that the reviewers' comments probably reflected more on a lack of leadership than on a lack of academic rigor. Perhaps the staff emphasized the teaching role of the institute at the expense of the exceptional quality and quantity of research being conducted by fellows and students.

As for the structure of the institute, Dr. Lopez stated that the less said the better. The advertisement for the new director that requires evidence for scholarship, administrative competence, and fund-raising ability seemed unrealistic in breadth. Dr. Varma, a member of the search committee, responded that it is a typical job announcement for a program director and that the committee will be realistic in their evaluation of the candidates.

Documentation

Dr. Diffley asked if perhaps the three-term (fall, spring, summer) International Scholars and master's programs might be expanded to two years in order to provide more time for faculty and students and to reduce expenses. Dr. Lopez stated that expansion of the program would reduce the number of students who could participate in the program but that extension of the program may be considered at a later date.

Dr. Mainwaring asked about the status of the MacArthur Grant and Dr. Lopez's opinion on the International Visiting Scholars Program. Dr. Lopez stated that the grant will end next year and that recent policy changes will increase the effectiveness of the Visiting Scholars Program.

Dean Attridge asked about the degree of cooperation between the institute and academic departments. Dr. Lopez felt that such cooperation, especially in faculty appointments, needs enhancement.

V. ON-CAMPUS GRADUATE STUDENT HOUSING

Dr. James Powell opened discussion on the use of the Fischer and O'Hara-Grace graduate residences. He stated that graduate students occupy 300 of the 500 beds available and from early estimates, the annual turnover rate will be about 120 beds a year. Over 300 students are admitted to the Graduate School each year. The questions are: Should rules be established to give first priority to all incoming graduate students? If so, should certain groups of incoming students (fellows, women, foreign students) be given priority?

Dr. Kantor stated that at Princeton, incoming students were given first priority to all on-campus graduate housing. The guarantee of on-campus housing is a good recruitment tool to attract graduate students. If all incoming students are given this guarantee, then there is no need to prioritize various groups.

Dean Attridge asked if this was single-student housing. He also asked if there was an economic advantage for the students to stay in the campus apartments. The answer to both questions was yes.

Michael Kelly said that a better recruitment device than guaranteed student housing would be a better student health insurance policy.

The meeting was called at 5:15 p.m.

University Committee on Libraries June 15, 1992

The meeting was called to order at 4 p.m. in the Office of the Acting Director of Libraries by the chairman, John Lucey. Also in attendance were Harvey Bender, Maureen Gleason, Mike Morris, Robert Scheidt, Lorenzo Zeugner and secretary Melodie Eiteljorge.

The minutes of the meeting of May 18 were approved as written.

Maureen Gleason distributed draft copies of proposed serials cancellations and an outline of next year's budget allocations.

Harvey Bender expressed concern and frustration on behalf of the Life Sciences Library Committee in regard to serials cancellations. He asked if there was any way to avoid major cuts. Gleason replied that cancellations have been recalculated at regular intervals, based on predictions of inflation over the next year. No actual cancellations will take place until mid-July. If, at that time, funds are left over, they will be divided among the various units who will have the opportunity to decide how to use them. Options include maintaining some old titles or adding new titles.

Allowing for rising serials costs is a problem not exclusive to Notre Dame. Over the past two to five years, significant increases have occurred in very expensive titles. Expensive serials in chemistry went up 55 percent in two years. Libraries must find some alternatives for dealing with this. Finding more funding for this year will not completely solve the problem. Lorry Zeugner pointed out that libraries are going through a period of transition. Issues of ownership vs. access and the future of electronic publishing must be considered.

There was a question of whether cuts could be made in other areas. Zeugner responded that we are already understaffed and are facing serious space problems. Bender asked what is being done about space problems. Gleason replied that a Space Planning Task Force is assessing the situation and will submit a report later this summer. Concurrently, architecture students are preparing up-to-date floor plans of the Hesburgh Library.

The committee agreed to go on record as lamenting the necessity for major serials cuts. Gleason noted that many institutions, especially state schools, are faced with even deeper cuts.

Documentation

In other business, Gleason reported that consultants from Industrial Rehabilitation have been training supervisors on procedures to deal with work related injuries. These consultants will next meet with staff members.

Progress has been made in establishing PACLINK communication between Indiana University and Indiana State University. PACLINK is a system to link NOTIS libraries throughout Indiana. Notre Dame should be testing this in the fall.

When the committee convenes in the fall, it was agreed that structured discussions should be scheduled to address rising serials costs and alternatives. The report from the Space Planning Task Force should also be reviewed. John Lucey, current chair, will be leaving the committee after six years' service. His colleagues thanked him for his service. An election for the two at-large positions will take place in the fall.

There being no further business, the meeting adjourned at 5:15 p.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

University Committee on Libraries September 11, 1992

The meeting was called to order at 7:30 a.m. at the Morris Inn by the director of libraries, Robert C. Miller. Also in attendance were Harvey Bender, Maureen Gleason, James Kohn, Michael Morris, Robert Scheidt, Daniel Sheerin, Donald Sniegowski and secretary Melodie Eiteljorge.

The minutes of the meeting of June 15 were approved as written.

The secretary distributed copies of the following documents: Budget Needs, Projection of Financial Needs for the University Libraries, University Libraries in the Year 2000, and an article from *Information Technology* titled "Many Campuses Start Building Tomorrow's Electronic Library."

It was determined that the regular meeting time will be one Thursday a month at 4 p.m. in the office of the director.

The next item of business was the election of a new chair. Harvey Bender nominated Robert Scheidt. This was seconded and unanimously carried.

Scheidt suggested that a major agenda item for the year should be serials. There is a cost increase of over 20 percent projected for foreign journals this year. Miller stated that he has discussed the problem with Dean Castellino, suggesting a one-on-one survey of faculty to determine their research interests, what journals they use, etc. It might be necessary to take the approach that highly specialized journals that are not used by current faculty are expendable. This would not apply to the disciplinary core of journals. Morris asked about the status of access over ownership. This is being pursued, but Scheidt noted that the opportunity to peruse journals to determine interest is often beneficial. The problem of serials is complex and immediate and will be a major agenda item for at least the next meeting.

Other agenda items identified for the year are the preliminary report from the Space Planning Task Force and the question of service hours.

Bender asked if it would be useful to conduct a faculty survey on various library issues. Miller replied that the Space Planning Task Force will be drafting a survey and that some other issues might be incorporated. Sending more surveys might dilute the Space Planning survey. Meanwhile, Jo Bessler, assistant director for User Services, is exploring various ways of obtaining user input.

Morris suggested that more active communication between faculty and liaisons might be beneficial. Miller added that college representatives could assist by encouraging college councils to put reports from University Committee on Libraries representatives on their meeting agendas.

Miller announced that the Library Advisory Council will be meeting on November 12 and 13. The focus of the meeting will be library services to science and engineering. The committee will be invited to participate in part of the program.

The next meeting was scheduled for Thursday, September 17, 4 p.m., in the office of the director. There being no further business, the meeting adjourned at 8:30 a.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

Documentation

University Libraries' Hours During Thanksgiving November 25-29

Date	Hesburgh Library		University Branch Libraries
	Building	Public Service	
Wednesday, November 25	8 a.m.-midnight	8 a.m.-5 p.m.	8 a.m.-5 p.m.
Thursday, November 26	Closed for Thanksgiving		
Friday, November 27 and Saturday, November 28	9 a.m.-midnight	9 a.m.-5 p.m.*	9 a.m.-5 p.m.
Sunday, November 29	All libraries return to regular schedules		

* The following public service units will be open on Friday and Saturday:

- Audio-Video Center
- Circulation Services
- Current Periodicals/Microtext
- Reference Services
- Reserve Book Room

The Graduate School Research Division

Current Publications and Other Scholarly Works

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

Errata: Corrections on entries in *Notre Dame Report* Issue No. 2 under Art, Art History and Design:

Adcock, Craig E.

C.E. Adcock. 1992. Conversational Drift: Helen Mayer Harrison and Newton Harrison. *Art Journal* 51(Summer):35-45.

C.E. Adcock. 1992. Tyler Turkle: Plastic Criteria. University of South Florida Contemporary Art Museum, Tampa, Florida.

Errata: Correction on entry in *Notre Dame Report* Issue No. 3 under Classical and Oriental Languages and Literatures:

Amar, Joseph P.

J.P. Amar. 1992. Byzantine Ascetical Monachism and Greek Bias in the *Vita* Tradition of Ephrem the Syrian. *Orientalia Christiana Periodica* 58:123-156.

COLLEGE OF ARTS AND LETTERS

Art, Art History and Design

Goralski, William J.

W.J. Goralski. 1992. Voice Recognition Telephone. Bloomfield Hills, Michigan, Cranbrook Academy of Art Museum.

English

Kline, Edward A.

F. O'Hare and E.A. Kline. 1992. The Modern Writer's Handbook, Third Edition. Macmillan Publishing Company, New York, New York. xv + 905 pp.

Matthias, John E.

J.E. Matthias and V.D. Vuckovic. 1992. Requiem, translated from the Serbo-Croat of Branko Miljkovic. *Modern Poetry in Translation (New Series)* 1(1):120-124.

Government and International Studies

Dallmayr, Fred R.

F.R. Dallmayr. 1992. Critical Theory and Reconciliation. Pages 118-150 in, D. Browning and F. Schüssler Fiorenza, eds., *Habermas, Modernity, and Public Theology*. Crossroad/Continuum, New York, New York.

F.R. Dallmayr. 1992. Heidegger and Politics: Some Lessons. Pages 282-312 in, T. Rockmore and J. Margolis, eds., *The Heidegger Case: On Philosophy and Politics*. Temple University Press, Philadelphia, Pennsylvania.

F.R. Dallmayr. 1992. Hermeneutics and the Rule of Law. Pages 3-22 in, G. Ley, ed., *Legal Hermeneutics: History, Theory and Practice*. University of California Press, Los Angeles, California.

Johansen, Robert C.

R.C. Johansen. 1992. The United Nations After the Gulf War: Lessons for Collective Security. H.H. Blumberg and C.C. French, eds., *Lessons from the Gulf War: Social Science Findings*. University Press of America, Lanham, Maryland.

R.C. Johansen. 1991. The United Nations After the Gulf War: Lessons for Collective Security. Pages 172-190 in, B. Abu-Laban and M.I. Alladin, eds., *Beyond the Gulf War: Muslims, Arabs and the West*. MRF Publishers, Edmonton, Alberta, Canada.

Scully, Timothy R., C.S.C.

T.R. Scully, C.S.C. and Alejandro Ferreiro Y. 1992. Chile Recovers Its Democratic Past: Democratization by Installments. *Journal of Legislation* 18(2):317-330.

T.R. Scully, C.S.C. 1992. Shifting Engagements between Distant Neighbors. *The Review of Politics* 54(1):157-161.

T.R. Scully, C.S.C. 1991. The Return of Democracy in Chile. *The Review of Politics* 52(1):675-678.

History

DeSantis, Vincent P.

V.P. DeSantis. 1992. Columbus Sailed the Ocean Blue. *Notre Dame Magazine* 21(Summer):46-49.

Dolan, Jay P.

J.P. Dolan. 1992. The Desire for Democracy in the American Church. Pages 113-127 in, E.C. Bianchi and R. Radford Ruether, eds., *A Democratic Catholic Church: The Reconstruction of Roman Catholicism*. New York, New York.

Hamlin, Christopher S.

C.S. Hamlin. 1992. Reflexivity in Technology Studies: Toward a Technology of Technology (and Science)? *Social Studies of Science* 22(August):511-544.

C.S. Hamlin. 1992. Review of Colleen O'Toole, *The Search for Purity: A Retrospective Policy Analysis of the Decision to Chlorinate Cincinnati's Public Water Supply, 1890-1920*. *Bulletin of the History of Medicine* 66(3):492-493.

Nugent, Walter

W. Nugent. 1992. Where is the American West? Report on a Survey. *Montana The Magazine of Western History* 42(Summer):2-23.

The Graduate School Research Division

Philosophy

- McInerney, Ralph M.
R.M. McInerney. 1992. The Golden Rule and Natural Law. *The Modern Schoolman* 69(3 & 4):421-430.
Robinson, John H.
J.H. Robinson. 1991. Review of Dukeminier & Johnson, Wills, Torts, and Estates, 4th Edition (1990). *Journal of Legal Education* 41:525-532.

Program of Liberal Studies

- Crowe, Michael J.
M.J. Crowe. 1992. Afterword: A Revolution in the Historiography of Mathematics. Pages 306-316 in, D. Gillies, ed., *Revolutions in Mathematics*. Clarendon Press, Oxford, England.
M.J. Crowe. 1992. Ten Laws Concerning Patterns of Change in the History of Mathematics. Pages 15-20 in, D. Gillies, ed., *Revolutions in Mathematics*. Clarendon Press, Oxford, England.

Romance Languages and Literatures

- Cachey, Theodore J., Jr.
T.J. Cachey, Jr. 1992. First Fragrances of America: On the Literary Relationship Between Christopher Columbus and Amerigo Vespucci. Pages 223-234 in, D. Dutschke, P.M. Forni, F. Grazzini, B. Lawton and L. Sanguinetti White, eds., *Forma e parola: Studi in memoria di Fredi Chiappelli*. Roma, Bulzoni.
Doering, Bernard
B. Doering. 1992. Maritain E i Suoi Due Autentici Rivoluzionari. Pages 157-167 in, A. Pavan, ed., *Dopo Umanesimo Integrato*. Marietti, Genoa, Italy.
Jerez-Farrán, Carlos
C. Jerez-Farrán. 1992. Mari-Gaila y la espiritualización de la materia: Una revalorización de *Divinas palabras* de Valle-Inclán. *Neophilologus* 76(1992):392-408.

Theology

- Blenkinsopp, Joseph
J. Blenkinsopp. 1992. The Pentateuch (Anchor Bible Reference Library). Doubleday, New York, New York. x + 273 pp.
Cunningham, Lawrence S.
L.S. Cunningham. 1992. Five Theological Reflections. *Lectionary Homiletics* (November-December):1-2; 7-8; 14-15; 21-22; 28-29.
L.S. Cunningham. 1992. Gladly Wold He Lerne and Gladly Teche: The Catholic Scholar in the New Millennium. *The Cresset* 55(June):4-10.
L.S. Cunningham. 1992. The Professor Invades the Cloister: Reflections on a Study Week at Gethsemani. *Cistercian Studies Quarterly* 27:161-165.

- L.S. Cunningham. 1992. Religious Booknotes: Matters Historical and Spiritual. *Commonweal* 119(6/5/92):27-29.
L.S. Cunningham. 1992. Thomas Merton Spiritual Master: The Essential Writings. Paulist Press, Mahwah, New Jersey. 347 pp.
L.S. Cunningham. 1992. Vatican II. Pages 504-508 in, D. Musser and J.L. Price, eds., *A New Handbook of Christian Theology*. Abingdon, Nashville, Tennessee.
Gerhart, Mary
M. Gerhart. 1992. Gender and Genre: Interpreting Religions of the Books. *Archivio di Filosofia*, Volume 60.
M. Gerhart. 1992. Myth. Pages 321-323 in, J. Price and D. Musser, eds., *New Handbook of Christian Theology*. Abingdon Press, Nashville, Tennessee.
M. Gerhart. 1991. Another Troy for Her to Burn: The True Story of Euripedes' Helen. Pages 121-141 in, J. Rike and W. Jeanrond, eds., *Radical Pluralism and Truth: David Tracy and the Hermeneutics of Religion*. Crossroad, New York, New York.
M. Gerhart. 1991. Imaging Christ: Art, Politics, Spirituality. Pages 1-45 in, F.A. Eigo, ed., *Imaging Christ: Proceedings of the 1990 Theology Institute*. Villanova University Press, Villanova, Pennsylvania.
M. Gerhart. 1991. Theology, Science and Gender: Advances in Feminist Consciousness. *Proceedings of the CTSA* 46:138-140.
McBrien, Richard P., Rev.
Rev. R.P. McBrien. 1992. Under the Cross and Anchor. *PORTLAND: The University of Portland Magazine* 11(3):21-22.
Melloh, John A., S.M.
J.A. Melloh, S.M. 1992. Review of Jewish Prayer. The Origins of Christian Liturgy, by C. DiSante, translated by M.J. O'Connell. *Homiletic* 17(1):31-32.
J.A. Melloh, S.M. 1991. Review of The Monk's Tale. A Biography of Godfrey Diekmann, O.S.B., by K. Hughes, RSCJ. *Worship* 66(July):373-375.
Staley, Jeffrey L.
J.L. Staley. 1991. Stumbling in the Dark Reaching for the Light: Reading Character in John 5 and 9. *Semeia* 54:56-80.

COLLEGE OF SCIENCE

Biological Sciences

- Kulpa, Charles F., Jr.
R. Boopathy and C.F. Kulpa, Jr. 1992. Trinitrotoluene (TNT) as a Sole Nitrogen Source for a Sulfate - Reducing Bacterium *Desulfovibrio* sp. (B Strain) Isolated from an Anaerobic Digester. *Current Microbiology* 25:235-241.

The Graduate School Research Division

Chemistry and Biochemistry

Creary, Xavier

X. Creary and Y.-X. Wang. 1992. Solvolytic Kinetic Studies by ^{19}F NMR. *The Journal of Organic Chemistry* 57:4761-4765.

Scheidt, W. Robert

M.K. Safo, G.P. Gupta, C.T. Watson, U. Simonis, F.A. Walker and W.R. Scheidt. 1992. Models of the Cytochromes *b*. Low-Spin Bis-Ligated (Porphinato)iron(III) Complexes with Unusual Molecular Structures and NMR, EPR, and Mössbauer Spectra. *Journal of the American Chemical Society* 114:7066-7075.

Mathematics

Sommese, Andrew J.

A.P. Morgan, A.J. Sommese and C.W. Wampler. 1992. Computing Singular Solutions to Polynomial Systems. *Advances in Applied Mathematics* 13:305-327.

Vuckovic, Vladeta D.

See under COLLEGE OF ARTS AND LETTERS, English; Matthias, John E. 1992. *Modern Poetry in Translation (New Series)* 1(1):120-124.

Physics

Baumbaugh, Barry W.

B.W. Baumbaugh, J.M. Bishop, J.K. Busenitz, N.M. Cason, J.D. Cunningham, R.W. Gardner, C.J. Kennedy, G.N. Kim, T.F. Lin, E.J. Mannel, R.J. Mountain, D.L. Puseljic, R.C. Ruchti, W.D. Shephard, J.A. Swiatek, Z.Y. Wu, M.E. Zanabria, et al. 1992. Description and Performance of the Fermilab E687 Spectrometer. *Nuclear Instruments and Methods in Physics Research A* 320:519-547.

Bishop, James M.

J.M. Bishop, J.K. Busenitz, N.M. Cason, J.D. Cunningham, R.W. Gardner, C.J. Kennedy, E.J. Mannel, R.J. Mountain, D.L. Puseljic, R.C. Ruchti, W.D. Shephard, M.E. Zanabria, et al. 1992. Study of $\text{D}^0 \rightarrow \text{K}^0 \text{K}^+ \text{K}^-$ and $\text{D}^0 \rightarrow \text{K}^0 \text{K}^+ \text{K}^-$ in High Energy Photoproduction. *Physics Letters B* 286:195-200.

See under Baumbaugh, Barry W. 1992. *Nuclear Instruments and Methods in Physics Research A* 320:519-547.

Cason, Neal M.

See under Baumbaugh, Barry W. 1992. *Nuclear Instruments and Methods in Physics Research A* 320:519-547.

See under Bishop, James M. 1992. *Physics Letters B* 286:195-200.

Dobrowolska-Furdyna, Malgorzata

See under Luo, Hong. 1992. *Physical Review Letters* 68:3220.

See under Luo, Hong. 1991. *Physical Review Letters* 67:3824.

Furdyna, Jacek K.

See under Luo, Hong. 1992. *Physical Review Letters* 68:3220.

See under Luo, Hong. 1991. *Physical Review Letters* 67:3824.

Luo, Hong

F.C. Zhang, N. Dai, H. Luo, N. Samarth, M. Dobrowolska-Furdyna, J.K. Furdyna and L.R.

Ram-Mohan. 1992. Observation of Localized Above-Barrier Excitons in Type-I Superlattices. *Physical Review Letters* 68:3220.

N. Dai, H. Luo, F.C. Zhang, N. Samarth, M.

Dobrowolska-Furdyna and J.K. Furdyna. 1991. Spin Superlattice Formation in ZnSe/ZnTe Multilayers. *Physical Review Letters* 67:3824.

McGlinn, William D.

A.P. Balachandran, W.D. McGlinn, L. O'Riadaigh, S. Sen, R.D. Sorkin and A.M. Srivastava. 1992. Topological Spin-Statistics Theorems for Strings. *Modern Physics Letters A* 7(16):1427-1442.

Ram-Mohan, L. Ramdas

See under Luo, Hong. 1992. *Physical Review Letters* 68:3220.

Ruchti, Randal C.

See under Baumbaugh, Barry W. 1992. *Nuclear Instruments and Methods in Physics Research A* 320:519-547.

See under Bishop, James M. 1992. *Physics Letters B* 286:195-200.

Shephard, William D.

See under Baumbaugh, Barry W. 1992. *Nuclear Instruments and Methods in Physics Research A* 320:519-547.

See under Bishop, James M. 1992. *Physics Letters B* 286:195-200.

Tegler, Stephen C.

S.C. Tegler, H. Campins, S. Larson, M. Kleine, D. Kelly and M. Rieke. 1992. Simultaneous Visible and Near Infrared Spectrophotometry of Comet Austin 1989c₁. *The Astrophysical Journal* 396:711-716.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Dunn, Patrick F.

D.M. Weis, P.F. Dunn and M. Sen. 1992. The Single and Double Periodicity of Droplets Emanating from Interconnected Orifices. *Experiments in Fluids* 13:257-266.

Jerger, Edward W.

See Under Lucey, John W. 1992. Pages 332-337 in, T.V. Duggan, ed., Proceedings of the 3rd World Conference on Engineering Education. Computational Mechanics Publications, Southampton, England.

Lucey, John W.

J.W. Lucey and E.W. Jerger. 1992. Volume 1: International, Quality and Environmental Issues. Pages 332-337 in, T.V. Duggan, ed., Proceedings of the 3rd World Conference on Engineering Education. Computational Mechanics Publications, Southampton, England.

Powers, Joseph M.

J.M. Powers and K.A. Gonthier. 1992. Reaction Zone Structure for Strong, Weak Overdriven, and Weak Underdriven Oblique Detonations. *Physics of Fluids A* 4(9):2082-2089.

The Graduate School Research Division

Sen, Mihir

See under Dunn, Patrick F. 1992. *Experiments in Fluids* 13:257-266.

Chemical Engineering

Wolf, Eduardo, E.

J. Sanchez-Marcano, C. Mirodatos, E.E. Wolf and G.A. Martin. 1992. Inhibition of the Gas Phase Oxidation of Ethylene by Various Solids and Influence of Their Addition on the Catalytic Properties of Lanthanum Oxide Towards the Oxidative Coupling of Methane. *Catalysis Today* 13:227-235.

P. McAllidter and E.E. Wolf. 1992. Ni-Catalyzed Carbon Infiltration of Carbon-Fiber Substrates. *Carbon* 30(2):189-200.

K.L. Yeung and E.E. Wolf. 1992. Scanning Tunneling Microscopy Studies of Size and Morphology of Pt/Graphite Catalysts. *Journal of Catalysis* 135:13-26.

H.U. Onken and E.E. Wolf. 1992. Self-Sustained and Forced Oscillations During Ethylene and Carbon Monoxide Oxidation of Pt-SiO₂. *Chemical Engineering Science* 47(7):1659-1667.

K.L. Yeung and E.E. Wolf. 1992. STM Studies of the Effect of Pretreatment on the Morphology and Aspect Ratio Distribution of Crystallites on Pt/HOPG. *Catalysis Letters* 12:213-226.

Z. Kalenik and E.E. Wolf. 1992. Transient Isotopic Studies of the Role of Lattice Oxygen During Oxidative Coupling of Methane on Sr Promoted Lanthanum Oxide. *Catalysis Today* 13:255-264.

J.C. Kellow and E.E. Wolf. 1991. Propagation of Oscillations During Ethylene Oxidation on a Rh/SiO₂ Catalyst. *AIChE Journal* 37(12):1844-1848.

Z. Kalenik and E.E. Wolf. 1991. Temperature Programmed Isotopic Exchange of Lattice Oxygen during Methane Oxidative Coupling. *Catalysis Letters* 11:309-318.

Computer Science and Engineering

Sha, Edwin, H.-M.

L.-F. Chao and E. H.-M. Sha. 1992. Algorithms for Min-Cut Arrangements for Outerplanar Graphs. Pages 1851-1854 in, *Proceedings of the 1992 IEEE International Symposium on Circuits and Systems*. San Diego, California.

E. H.-M. Sha. 1992. An Error Detectable Array for All-Substring Comparison. Pages 2941-2944 in, *Proceedings of 1992 IEEE International Symposium on Circuits and Systems*. San Diego, California.

E. H.-M. Sha and L.-F. Chao. 1992. Efficient Distributed Reconfiguration for Binary Trees on Diogenes Model. Pages 464-471 in, *Proceedings of the 1992 International Phoenix Conference on Computers and Communications*. Scottsdale, Arizona.

E. H.-M. Sha and K. Steiglitz. 1992. Error Detection in Arrays via Dependency Graphs. *Journal of VLSI Signal Processing* 4:331-342.

L.-F. Chao and E. H.-M. Sha. 1992. Retiming and Unfolding Data-Flow Graphs. Pages II 33-40 in, *Proceedings of 1992 International Conference on Parallel Processing*. St. Charles, Illinois.

E. H.-M. Sha and K. Steiglitz. 1992. Run-Time Error Detection in Arrays Based on the Data-Dependency Graphs. Pages 625-628 in, *Proceedings of the 1992 IEEE International Conference on Acoustic, Speech and Signal Processing*. San Francisco, California.

L.-F. Chau and E. H.-M. Sha. 1992. Unfolding and Retiming Data-Flow DSP Programs for RISC Multiprocessor Scheduling. Pages 565-568 in, *Proceedings of the 1992 IEEE International Conference on Acoustic, Speech, and Signal Processing*. San Francisco, California.

Electrical Engineering

Antsaklis, Panos, J.

M.A. Sartori, M.K. Passino and P.J. Antsaklis. 1992. A Multi-Layer Perceptron Solution to the Match Phase Problem in Rule-Based Artificial Intelligence Systems. *IEEE Transactions on Knowledge and Data Engineering* 4(3):290-297.

Z. Gao and P.J. Antsaklis. 1992. Actuator and Sensor Failure Accommodation with Incomplete Information. *Proceedings of the First IEEE Conference on Control Applications* 890-892.

K.M. Passino and P.J. Antsaklis. 1992. Event Rates and Aggregation in Hierarchical Discrete Event Systems. *Journal of Discrete Event Dynamic Systems* 1(3):271-288.

M.A. Sartori and P.J. Antsaklis. 1992. Failure Behavior Identification for a Space Antenna via Neural Networks. Pages 567-568 in, *Proceedings of American Control Conference*, June 24-26, 1992, Chicago, Illinois.

M.A. Sartori and P.J. Antsaklis. 1992. Implementations of Learning Control Systems Using Neural Networks. *IEEE Control Systems Magazine*, in Special Issue on Neural Networks in Control Systems 12(3):49-57.

P.J. Antsaklis. 1992. Neural Networks in Control Systems. Guest Editor's Introduction, *IEEE Control Systems Magazine* 12(3):8-10.

M.A. Sartori and P.J. Antsaklis. 1992. Neural Network Training via Quadratic Optimization. *Proceedings of ISCAS*, May 10-13, 1992, San Diego, California.

See under Michel, Anthony N. 1992. *Avtomatika i Telemekhanika* 62(8):3-18.

P.J. Antsaklis. 1992. Special Issue on Neural Networks in Control Systems. *IEEE Control Systems Magazine* 12(3):8-57.

M.A. Sartori and P.J. Antsaklis. 1991. A Gaussian Neural Network Implementation for Control Scheduling. Pages 400-404 in, *Proceedings of the 1991 IEEE International Symposium on Intelligent Control*, August 13-15, 1991, Arlington, Virginia.

The Graduate School Research Division

- J.M. Stiver and P.J. Antsaklis. 1991. A Novel Discrete Event System Approach to Modeling and Analysis of Hybrid Control Systems. Proceedings of the Twenty-Ninth Annual Allerton Conference on Communication, Control and Computing, October 2-4, 1991. University of Illinois at Urbana-Champaign.
- M.A. Sartori and P.J. Antsaklis. 1991. A Simple Method of Derive Bounds on the Size and to Train Multi-Layer Neural Networks. *IEEE Transactions on Neural Networks* 2(4):467-471.
- O.R. Gonzalez and P.J. Antsaklis. 1991. Internal Models in Regulation, Stabilization and Tracking. *International Journal of Control* 53(2):411-430.
- Z. Gao and P.J. Antsaklis. 1991. On the Stability of the Pseudo-Inverse Method for Reconfigurable Control Systems. *International Journal of Control* 53(3):717-729.
- Z. Gao and P.J. Antsaklis. 1991. Reconfigurable Control System Design via Perfect Model-Following. Pages 239-246 in, Proceedings of the 1991 AIAA Guidance, Navigation and Control Conference, August 12-14, 1991. New Orleans, Louisiana.
- C.M. Ozveren, A.S. Willsky and P.J. Antsaklis. 1991. Stability and Stabilizability of Discrete Event Dynamic Systems. *Journal of the Association of Computing Machinery* 38(3):730-752.
- Lent, Craig S.
See under Porod, Wolfgang. 1992. *Applied Physics Letters* 61(11):1350-1352.
- McGinn, Paul J.
S. Sengupta, D. Shi, S. Salem-Sugui, Jr., Z. Wang, P.J. McGinn and K. DeMoranville. 1992. Current Density Dependence of Activation Energy in Type II Superconductors. *Journal of Applied Physics* 72(2):592-595.
- Michel, Anthony N.
A.N. Michel. 1992. Neural Nets for Associative Memories. Pages 832-840 in, M.G. Singh, ed., *Systems and Control Encyclopedia*, Volume 2. Pergamon Press, Oxford, England.
- M.S. Radenkovic and A.N. Michel. 1992. Robust Adaptive Systems and Selfstabilization. *IEEE Transactions on Automatic Control* 37(9):1355-1369.
- K.M. Passino, A.N. Michel and P.J. Antsaklis. 1992. Ustojchivost' po Ljapunovu klassa Sistem Diskretnyx Sobytij. *Avtomatika i Telemekhanika* 62(8):3-18.
- Porod, Wolfgang
W. Porod, Z.-A. Shao and C.S. Lent. 1992. Transmission Resonances and Zeros in Quantum Waveguides with Resonantly Coupled Cavities. *Applied Physics Letters* 61(11):1350-1352.
- Radenkovic, Miloje S.
See under Michel, Anthony N. 1992. *IEEE Transactions on Automatic Control* 37(9):1355-1369.

COLLEGE OF BUSINESS ADMINISTRATION

Finance and Business Economics

- Keating, Barry P.
B.P. Keating and M.O. Keating. 1992. An Empirical Estimation of the Degree of Expense Preference Behavior Between Credit Unions by Common Bond Type. *The Quarterly Review of Economics and Finance* 32(2):71-84.

Management

- Chen, Houn-Gee
H.-G. Chen and R.P. Vecchio. 1992. Nested IF-THEN-ELSE Constructs in End-User Computing. *International Journal of Man-Machine Studies* 36:843-859.
- Vecchio, Robert P.
See under Chen, Houn-Gee. 1992. *International Journal of Man-Machine Studies* 36:843-859.

LAW SCHOOL

- Phelps, Teresa G.
T.G. Phelps. 1992. The Sound of Silence Breaking: Catholic Women, Abortion, and the Law. *Tennessee Law Review* 59(3):547-569.

O'NEILL CHAIR IN EDUCATION FOR JUSTICE

- Goulet, Denis A.
D.A. Goulet. 1992. Le savoir interdisciplinaire et la quête de la sagesse. *FOI ET DEVELOPPEMENT* 200:11-12.

RADIATION LABORATORY

- Dimitrijevic, Nada M.
N.M. Dimitrijevic. 1992. Reaction of Trichloromethyl and Trichloromethylperoxyl Radicals with C₆₀. A Pulse Radiolysis Study. *Chemical Physics Letters* 194(4,5,6):457-460.
- LaVerne, Jay A.
J.A. LaVerne and R.H. Schuler. 1992. Track Effects in the Radiolysis of Water: HO₂· Production by 200-800-MeV Carbon Ions. *The Journal of Physical Chemistry* 96(18):7376-7378.
- Schuler, Robert H.
R.H. Schuler. 1992. Pulse Radiolysis Studies of the Dynamics of Acid-Base Equilibration in Phenolic Systems. *The Journal of Physical Chemistry* 96(18):7169-7172.
- See under LaVerne, Jay A. 1992. *The Journal of Physical Chemistry* 96(18):7376-7378.

**The Graduate School
Research Division**

Summary of Awards Received and Proposals Submitted

In the period August 1, 1992, through August 31, 1992

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	602,202	10	569,450	17	1,171,652
Facilities and Equipment	0	0	1	15,000	1	15,000
Instructional Programs	0	0	2	27,350	2	27,350
Service Programs	0	0	5	29,679	5	29,679
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>48,000</u>	<u>1</u>	<u>48,000</u>
Total	7	602,202	19	689,479	26	1,291,681

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	735,633	10	2,013,112	13	2,748,745
Facilities and Equipment	0	0	1	52,540	1	52,540
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	3	735,633	11	2,065,652	14	2,801,285

The Graduate School Research Division

Awards Received

In the period August 1, 1992, through August 31, 1992

AWARDS FOR RESEARCH

Biological Sciences

Lamberti, G.
Monitoring Zebra Mussel at Indiana Dunes
National Park Service
\$2,329 15 months

Center for Bioengineering and Pollution Control

Irvine, R.
NSF-Halophile
National Science Foundation
\$113,651 12 months

Chemical Engineering

Chang, H., Wolf, E.
Thermal Front Propagation
National Science Foundation
\$210,000 36 months

Chemistry and Biochemistry

McKee, E.
Regulation of Heart Mitochondrial Protein Synthesis
I.U. School of Medicine
\$20,967 12 months

Electrical Engineering

Das, B., Lemmon, M.
Undergraduate Integrated Optics Laboratory
National Science Foundation
\$90,170 24 months

McGinn, P.
Critical Current Density in YBCO
Purdue University
\$120,000 36 months
Processing of Textured Superconducting Microlaminates
Purdue University
\$38,010 12 months

Alcock, C.
Study for a Thermochemical Database for the Elements
National Institute of Standards and Technology
\$18,499 3 months

Choudhary, K., Ruggiero, S.
Study of Compositional Modulation in High-Tc
Superconductory
Purdue University
\$108,000 36 months

English

Matthias, J.
Lilly Endowment Faculty Open Fellowship - 1992-93
Lilly Endowment, Inc.
\$40,000 14 months

Finance and Business Economics

Niden, C.
Tax Savings as a Motive for Corporate Acquisition
National Science Foundation
\$18,000 18 months

History

Wegs, J.
Austrian Youth from the Late 19th to the Mid-20th
Centuries
Austrian Cultural Institute
\$1,823 1 month

Mathematics

Pillay, A.
Topics in Model Theory
National Science Foundation
\$34,500 12 months

Physics

Tomasch, W., Furdyna, J.
Infrared and Microwave Magneto-Dissipation in
Superconductors
Purdue University
\$121,960 24 months

Bigi, I.
Subtle Tests of the Standard Model
National Science Foundation
\$115,609 24 months

Blackstead, H.
Microwave Dissipation in High-Temperature
Superconductors
Purdue University
\$84,000 36 months

Psychology

Anderson, D.
Behavior-Based Approach to Increased Sales
KitchenAid, Inc.
\$34,134 24 months

The Graduate School Research Division

AWARDS FOR FACILITIES AND EQUIPMENT

Physics

Ruchti, R., Biswas, N., et al.
Equipment for Research in High Energy Collider Physics
National Science Foundation
\$15,000 12 months

AWARDS FOR INSTRUCTIONAL PROGRAMS

Aerospace and Mechanical Engineering

Batill, S.
Aerospace Systems Design
Univ. Space Research Association
\$17,350 13 months

Government and International Studies

Mainwaring, S.
NAFSA Fellowships
NAFSA/Association of International Educators
\$10,000 9 months

AWARDS FOR SERVICE PROGRAMS

ND Center for Pastoral Liturgy

Bernstein, E.
Center for Pastoral Liturgy
Various Others
\$698 1 month
Center for Pastoral Liturgy
Various Others
\$56 1 month

Center for Continuing Formation in Ministry

Cannon, K.
Center for Continuing Formation in Ministry
Various Others
\$17,144 1 month

Institute for Pastoral and Social Ministry

Cannon, K.
IPSM Dynamic Parish
Various Others
\$4,247 1 month

Programs for Church Leaders

Kelly, S.
Programs for Church Leaders
Various Others
\$7,534 1 month

AWARDS FOR OTHER PROGRAMS

Biological Sciences

Diffley, P.
Jacob K. Javits Fellowship Program
Department of Education
\$48,000 12 months

The Graduate School Research Division

Proposals Submitted

In the period August 1, 1992, through August 31, 1992

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

Atassi, H.
Direct Computation of Sound
NASA - Langley Research Center
\$335,159 36 months

School of Architecture

Sporleder, D., Soens, A., et al.
Environment Shapers Guide
National Science Foundation
\$171,029 30 months

Civil Engineering and Geological

Spencer, B.
Solution of the Multidimensional Fokker-Planck
Equation
University of Illinois/Urbana
\$183,430 36 months

Chemical Engineering

Strieder, W.
Thermal Radiation from Random Media
Department of Energy
\$282,425 36 months

Chemistry and Biochemistry

Fehlner, T.
Main Group Transition Element Clusters
National Science Foundation
\$474,119 36 months

Electrical Engineering

Bernstein, G., Porod, W.
Electromigration in Ultra-Narrow Interconnects
Semiconductor Research Corp.
\$274,996 24 months

Mathematics

Migliore, J.
Lifting Properties from Points to Curves
National Science Foundation
\$54,164 24 months
Buechler, S.
The Fine Structure of Superstabil Theories
National Science Foundation
\$111,804 36 months

Philosophy

McInerny, R.
Politics and the Common Good in the Thought of M.
Oakeshott
Lynde and Harry Bradley Foundation
\$35,000 72 months
Manier, A.
Psychoanalysis and the Subdisciplines of the New
Psychiatry
National Science Foundation
\$86,702 12 months

Physics

LoSecco, J.
Research in High Energy Physics
Department of Energy
\$226,514 12 months

Psychology

Borkowski, J., Day, J.
Enhancing "Possible-Selves" in Head Start Children
Admin/Children and Families
\$422,052 36 months
Day, J.
Contextual Effects on Minority Children's Self Esteem
National Institute of Health
\$91,351 12 months

PROPOSALS FOR FACILITIES AND EQUIPMENT

Electrical Engineering

Bernstein, G.
Model 82 C-V Measurement System
Keithley Instruments
\$52,540 12 months

Notre Dame

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