



Notre Dame

R E P O R T

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March 30, 1990

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1989-90

GEM Receives Lilly Grant

The National Consortium for Graduate Degrees for Minorities in Engineering Inc. (GEM) has received a \$400,000 grant from the Lilly Endowment Inc. to establish a National Center for Minority Graduate Education in Engineering, Physical and Life Sciences.

The center will consist of five programs: (1) a program to encourage minority students to pursue a master's degree in engineering, (2) a program to encourage minority students pursuing doctorates in engineering, (3) a program to encourage minority students pursuing doctorates in the sciences, (4) a nation-wide data-base clearinghouse and research program, and (5) the JOURNEY project.

JOURNEY is a magazine-format commercial television program designed to motivate teen-agers to explore vital issues for their future. The project targets a multi-ethnic and multi-racial population between the ages of 13 and 18 and addresses issues common to many career pursuits with emphasis on examples in engineering, science and a number of other math-based career fields.

The Center for Minority Graduate Education will bring these five components together in a comprehensive effort to identify, enroll, retain and graduate minority advanced-degreed students.

GEM was incorporated in 1976 as a not-for-profit corporation formed to assist minority students obtain practical engineering experiences through summer work opportunities and to finance graduate studies toward a master's degree in engineering. To date more than 700 minority students have received a master's degree in engineering through the GEM program. Twenty-one have gone on to complete a doctoral program and 72 currently are pursuing a doctorate.

Academic Garb Rental

Measurements for academic garb for the May 1990 Commencement Exercises will be taken on Tuesday and Wednesday, April 3 and 4, ONLY, from 9 a.m. to 4:30 p.m. at the Hammes Notre Dame Bookstore. The rental of a doctoral cap, gown and hood is \$22.00; the cap and gown is \$12.00 and the doctoral hood is \$10.00. Faculty who received a Ph.D. or Law Degree from Notre Dame should rent the Notre Dame doctoral cap, gown and hood. The rental fee is \$62.00; the cap and gown is \$45.00 and the doctoral hood is \$17. The rental of a cap, gown and hood for the master degree is \$20.00; the cap and gown is \$11.00 and the master hood is \$9.00.

Velasquez Elected a Trustee

Arthur J. Velasquez, president of Azteca Foods, Inc., Chicago, has been elected a trustee of the University.

A 1960 graduate in electrical engineering from Notre Dame, Velasquez received an M.B.A. from the University of Chicago in 1967. A trustee of the University of Illinois from 1974 through 1980, he was the first Hispanic elected to a statewide office.

Velasquez was a founder of Azteca Corn Products Corporation in Chicago in 1970. The company, one of the largest Midwest tortilla manufacturers, was acquired by the Pillsbury Company in 1984. Velasquez now heads the corporation that acquired Azteca from Pillsbury in 1989. He is also a founder of CID Broadcasting, Inc., the first 24-hour radio broadcast business owned and operated by Chicago Hispanic principals.

A resident of Palos Hills, Ill., he is a director of several Chicago area corporations and is active in many professional, civic and charitable organizations.

"Year of the Woman" Designated

The 1990-91 academic year has been designated the "Year of the Woman" at Notre Dame by Rev. Edward A. Malloy, C.S.C., president.

In announcing the observance, Malloy also identified the committee charged with developing a schedule and coordinating activities during the year. Chaired by Associate Provost Eileen Kolman, the committee includes Charlotte Ames, associate librarian; Sister Joris Binder, O.P., rector of Pasquerilla East; Helen Bowers, assistant professor of finance and business economics; Missy Conboy, assistant athletic director; Sister Catherine Cory, O.S.F., graduate student; Marie Gerencher, director of alumni reunions; George Howard, professor of psychology; Kathie Newman, associate professor of physics; Rev. Steve Newton, C.S.C., rector of Sorin Hall; Teresa Phelps, associate professor of law; Lynn Ramsay, student in the Freshman Year of Studies; Carol Seager, director of University Health Services; Linda Sumner, manager of employee relations and training; Julie Wright, sophomore student in the College of Business Administration; and Susan Youens, associate professor of music.

The "Year of the Woman" will be the third such observance by the University. The "Year of Cultural Diversity" was celebrated in 1988-89, and the "Year of the Family" is being observed during 1989-90.

Cantwell, Riehle and Heisler to Receive Alumni Awards

The Alumni Association Board of Directors has selected three Notre Dame graduates to receive awards.

Dr. Dennis P. Cantwell, a 1961 graduate, will receive the William D. Reynolds Award. Established in 1984, the Reynolds award is given annually to a Notre Dame graduate who has given distinguished service to young people. Cantwell, Joseph Campbell Professor of Child Psychiatry at the University of California at Los Angeles, has for 17 years administered the largest child psychiatry training program in the nation, usually graduating 10 specialists in child psychiatry each year. Cantwell will receive the award April 28 during half-time ceremonies at the Blue/Gold football game.

Rev. James L. Riehle, C.S.C., a 1949 Notre Dame graduate, will receive the James E. Armstrong Award. A former dean of students and member of the Notre Dame staff since his ordination, Riehle serves as director of energy conservation, chaplain to the Department of Athletics and executive director of the Monogram Club. Established in 1978, the Armstrong award is given to a graduate employed by the University who has given long and distinguished service. Father Riehle will receive the award April 28 during the Alumni Association Senate meeting.

Dr. Michael B. Heisler, a 1971 Notre Dame graduate, will receive the Edward Frederick Sorin, C.S.C., Award. A South Dakota physician who has worked among poor people in West Africa and Nepal, Heisler directed a hospital in Kenya during the 1984-85 famine. He also worked in Soviet Armenia after the December 1988 earthquake. A member of the International Physicians for the Prevention of Nuclear War, he is involved in various Third World health projects with Soviet doctors. The Sorin award was established in 1965 and is given annually to a graduate formerly employed by the University who has given long and distinguished service. Dr. Heisler will receive the award June 9 at the All Classes Reunion Banquet.

Law School Ranked 19th

The Law School is ranked 19th in the nation according to a report in the March 19 issue of *U.S. News and World Report*. The magazine's special report on "America's Best Graduate Schools" is similar to the rankings it does annually of undergraduate education. In the undergraduate survey, published last fall, Notre Dame ranked 23rd.

Criteria for ranking law schools included student selectivity, placement, graduation rates, instructional resources and academic reputation, the last as evaluated by other law school top officials and leading off-campus professionals. The top five law schools in the survey were, in order, Yale, the University of Chicago, Stanford, Columbia and Harvard.

Foxley and Cortazar Become Aylwin's Cabinet Members

A current and a former faculty member of the University have been sworn in as members of the cabinet of President Patricio Aylwin, Chile's first democratically elected president in almost 20 years.

Alejandro Foxley, Helen Kellogg Professor in International Development, became Chile's Minister of Finance and Rene Cortazar, a former fellow of the University's Helen Kellogg Institute for International Studies, became Minister of Labor and Social Welfare when Aylwin was inaugurated in Santiago, March 11.

A member of the University's faculty since 1982, Foxley is the author of several books on economic and social policy in Chile and in Latin America generally. He previously taught economics at Oxford, the Massachusetts Institute of Technology and the University of California at Berkeley.

Cortazar was a Kellogg Institute fellow and a visiting professor of economics at Notre Dame in 1986-87. While a member of the faculty, he helped direct a major research project on labor and redemocratization in Latin America.

Faculty Notes

Honors

Hsueh-Chia Chang, chairman and professor of chemical engineering, was elected to the editorial board of the *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*.

André L. Goddu, assistant professor in the Program of Liberal Studies, has been appointed a Rockefeller Foundation Postdoctoral Research Fellow in the Humanities at the University of Oklahoma in their postdoctoral program on science in Western civilization to follow upon research in Poland on Copernicus.

Nathan O. Hatch, vice president for the Graduate School and professor of history, was elected to membership in the Johns Hopkins Society of Scholars.

Paul J. McGinn, assistant professor of materials science and engineering, has been named to the program committee of the recently formed Midwest Superconductivity Consortium. Members of the consortium include Purdue University, Indiana University, the University of Notre Dame, Iowa State University, Ohio State University and the University of Missouri.

Leonard E. Munstermann, associate faculty fellow in biological sciences, was appointed chair of the special committee on International Affairs by the president of the Entomological Society of America, James H. Oliver, Feb. 14.

Michael M. Stanisc, assistant professor of aerospace and mechanical engineering, was awarded a patent by the U.S. Patent Office. The patent, number 4,878,393, is titled "Dextrous Spherical Robot Wrist."

Activities

Ikaros Bigi, associate professor of physics, gave the High Energy Physics Seminar "Tacitus, QCD and CP Violation" at the Enrico Fermi Institute of the University of Chicago, Chicago, Ill., March 5.

Joseph Blenkinsopp, O'Brien professor of theology, presented a lecture titled "Temple and Society in Achaemenid Judah" to the Center for Jewish Studies at Purdue University, West Lafayette, Ind., March 1.

Hsueh-Chia Chang, chairman and professor of chemical engineering, presented an invited seminar titled "The Marangoni Effect on the Transport of Bubbles in Capillaries" at the Engineering Science and Applied Mathematics Department of Northwestern University in Evanston, Ill., March 5.

Daniel M. Chipman, professional specialist in the Radiation Laboratory, gave the seminar "Theoretical Studies of Free Radicals" at Battelle Pacific Northwest Laboratories in Richland, Wash., Feb. 22.

Rev. Austin I. Collins, C.S.C., assistant professor of art, art history and design, presented a one person exhibition at 14 Sculptors Gallery in Soho, New York, N.Y., Jan 30-Feb. 17.

Lawrence S. Cunningham, professor of theology, lectured on "Ecumenism: Twentieth Century Origins and Directions" at the Forever Learning Institute in South Bend, Ind., Feb. 21.

Roberto A. DaMatta, Joyce professor of anthropology and faculty fellow in the Kellogg Institute, participated in a round table discussion on "The Brazilian National Identity" with Professors Anthony Seeger, Smithsonian, and Vivaldo Costa Lima, University of Bahia, Brazil, at the University of Texas, Austin, Tex., Feb. 21. He lectured on "Rethinking Popular Culture" to members of the Institute of Latin American Studies, University of Texas at Austin, Tex., Feb. 22.

James Dougherty, professor of English, presented "William Carlos Williams as a Civic Poet" at the conference on Twentieth-Century Literature at the University of Louisville, Louisville, Ky., Feb. 22.

J. Massyngbaerde Ford, professor of theology, presented "Como Ensenar La Biblia" and "Una Bienvenida a La Muerte" at the Hispanic Ministry Office in Saginaw, Mich., Feb. 16-17.

Faculty Notes

John F. Gaski, associate professor of marketing, organized and chaired the special session "The Environment of Marketing Channels: Its Impact on Franchise Distribution Systems" at the Society of Franchising annual meeting held in Scottsdale, Ariz., Feb. 22-24. He organized and chaired the special session "Behavioral Channels Research: Follow-up" at the American Marketing Association Winter Educators' Conference in Scottsdale, Ariz., Feb. 24-27.

David W. Gasperetti, assistant professor of German and Russian languages and literatures, read a paper titled "The Carnavalesque Spirit of the Eighteenth-Century Russian Novel" at the American Association for the Advancement of Slavic Studies Convention held in Washington, D.C., Dec. 29.

Teresa Ghilarducci, assistant professor of economics, testified before the U.S. House of Representatives Subcommittee on Labor-Management Relations on H.R. 2664, a bill requiring joint-trusteeship of single-employer pension plans, in Washington, D.C., Feb. 28.

Patrick Horsbrugh, professor emeritus of architecture, addressed the Detroit Chapter of the American Institute of Architects on the future of the city 30 years hence, Detroit 2000, held in Detroit, Mich., Jan. 30. He addressed the senior classes of the Department of Architecture on the obligations of the profession at the beginning of the 21st century at Andrews University in Berrien Springs, Mich., March 2.

Srinivas Kambhampati, research associate in biological sciences, presented an invited paper titled "Variation in Mitochondrial DNA Within and Among World Populations of *Aedes albopictus* (Skuse) (Diptera: Culicidae)" co-authored with Karamjit S. Rai, professor of biological sciences, in a symposium "Genetics and Molecular Biology Applications of Molecular Genetics to Problems in Entomology" at the Entomological Society of America annual meeting held in San Antonio, Tex., Dec. 11.

Rev. Eugene F. Lauer, director of the Center for Continuing Formation in Ministry and associate professional specialist in the Institute for Pastoral and Social Ministry, gave the keynote address "Major Obstacles to the Development of Values in U.S. Culture" at the National Catholic Residential Child Care Conference in Phoenix, Ariz., Feb. 18. He was the main speaker on the topic "The Church in the Workplace: Labor-Management Issues" for a CTNA teleconference for Catholic Healthcare Management Personnel originating in Washington, D.C., March 8.

George A. Lopez, associate professor of government and international studies and faculty fellow in the International Peace Institute, gave a lecture "The Changing

Nature of the Use of Force Around the Globe" under the sponsorship of the Poynter Center for the study of Ethics and the Indiana Center on Global Change and World Peace at Indiana University, Bloomington, Ind., Feb. 23. He conducted the "Horizons of Knowledge" seminar for the Honors Division and MacArthur Fellows on the topic "Enemies and the Problem of Peace" at Indiana University, Bloomington, Ind., Feb. 23-24.

Robert J. Lordi, professor of English, was an invited participant in a conference on "New Issues in the Reconstruction of Shakespeare's Theatre" at the University of Georgia in Athens, Ga., Feb. 16-18.

A. Edward Manier, professor of philosophy, read "A Common Language for Molecular Neurobiology and Elementary Learning Theory?" at a symposium on "The Rhetoric of Science" at the annual meeting of the American Association for the Advancement of Sciences in New Orleans, La., Feb. 16.

Rev. Richard P. McBrien, chairman and Crowley-O'Brien-Walter professor of theology, presented the keynote address "The Future of the Church: Looking Toward the 21st Century" at the Academic Celebration IV meeting at Mercyhurst College, Erie, Pa., Jan. 29. He presented "The Church of the Third Millennium" at DePaul University, Chicago, Ill., Feb. 7.

Paul J. McGinn, assistant professor of materials science and engineering, presented the paper "Directional Solidification of $YBa_2Cu_3O_{6+x}$ by Zone Melting" at the TMS Symposium on High Temperature Superconducting Compounds in Anaheim, Calif., Feb. 21.

Ralph M. McInerney, Grace professor of Medieval Studies, director of the Maritain Center and professor of philosophy, spoke on "What is a Human Life?" and "Menace of Philosophy" in the Jellema Lecture Series at Calvin College in Grand Rapids, Mich., Feb. 21.

Rev. Ernan McMullin, O'Hara professor of philosophy, commented on papers by John Polkinghorne and Nathan Sivin at a symposium on "Religion and the Natural Order" as part of a conference on "Religion and Science, East and West" at Arden House in Harriman, N.Y., Jan. 19-21. He spoke on "The Role of Philosophy in Newton's Science" at the annual meeting of the American Association of Physics Teachers in Atlanta, Ga., Jan. 22. He presented a paper on "Philosophical Themes in Recent Cosmology" at a session on "Our Universe in Philosophical Perspective" at the annual meeting of the American Association for the Advancement of Science in New Orleans, La., Feb. 17. He also spoke on "Patents and the University" in a symposium "The Cold Fusion Case" at the same meeting.

Faculty Notes

Rev. John A. Melloh, S.M., coordinator of the John S. Marten Program in Homiletics and Liturgics and associate professional specialist in theology, gave the oral presentation on "Preaching Method: Some Insights from Ricoeur and Greimas" at the Ritual Studies Seminar at the North American Academy of Liturgy held in St. Louis, Mo., Jan. 3. He gave the major presentation "The Psalms Are Our Prayers" at the Southwest Liturgical Conference in Ft. Worth, Tex., Jan. 17. He gave a two-part workshop session on "Structural Method for Interpreting God's Word: Implications for Preaching, Teaching and Liturgical Planning" at that conference, Jan. 18. Melloh gave a presentation and discussion on the ministry of preaching at the Deacon's Discussion on Notre Dame, Ind., Jan. 30. He led a workshop for presiders "Leading the Assembly in Prayer" sponsored by Campus Ministry at Saint Mary's College, Notre Dame, Ind., Jan. 31. He gave a presentation and discussion on "The Ministry of Hospitality" at Sacred Heart Parish, Notre Dame, Ind., Feb. 7. He presented "Preaching at the Funeral Liturgy" at the Center for Pastoral Liturgy Workshop at the University of Our Lady of the Lake, Mundelein, Ill., Feb. 13. He presented "Not Only Hearers of the Word" at the Catholic Faith Series sponsored by Campus Ministry at the University of Notre Dame, Notre Dame, Ind., Feb. 18.

Alven M. Neiman, assistant professional specialist and assistant dean in the College of Arts and Letters Core Course, gave a talk titled "The Nature of Peace Studies at Notre Dame" to the Niles, Michigan, Rotary Club in Niles, Mich., Feb. 9.

Walter J. Nicgorski, associate professor in the Program of Liberal Studies, was an invited participant in a colloquium on "Liberty in Augustine's Confessions" at the New College of the University of South Florida, Sarasota, Fla., Jan. 25-27. He lectured on "Cicero as Socratic: The Critical and Rhetorical Modes of Philosophy" and "Cicero's Focus: From the Best Regime to the Model Statesman" at the Institute for Philosophic Studies, University of Dallas, Dallas, Tex., Feb. 15-16.

Rev. Edward D. O'Connor, C.S.C., associate professor of theology, gave a day of recollection to the Padre Pio Prayer Group at Our Lady of Hungary Church in South Bend, Ind., March 10. He lectured on "Conversion" and "Mary Speaks to the Modern World" at various churches in Seattle, Portland and Vancouver, and at the University of Portland, Portland, Ore., March 15-18.

James D. Peterson, assistant professor of communication and theatre, presented a paper titled "The Shape of Mutilation: David Cronenberg and the Narrative Structure of the Horror Film" to the Cinema Studies Section of the annual meeting of the Michigan Academy of Science, Arts and Letters at Albion College, Albion, Mich., March 9-10.

Teresa Godwin Phelps, associate professor of law, presented "Havin' Your Baby! What a Wonderful Way of Maximizing My Wealth: Judge Posner, Women and the Law" and "The Spirit of Resistance; Narratives of Disobedience in the American Legal Culture at the American Culture Association annual meeting in Toronto, Ontario, March 7-10.

Kathleen A. Pyne, assistant professor of art, art history and design, gave a paper "On the Problem of Modernism and Late 19th-Century American Painting" at the conference "Relations Between American and European Artists in the 18th and 19th Centuries" held at the Aspen Institute Berlin in West Berlin, Jan. 21. The conference was jointly sponsored by the Aspen Institute Berlin and the Freie Universitat Berlin. She gave a paper "Thomas Dewing and Spencerian Evolution" at the annual meeting of the College Art Association in New York, N.Y., Feb. 17.

Karamjit S. Rai, professor of biological sciences, presented "*Aedes albopictus* in the Old and the New World: Genetics of a Colonizing Species" to the Department of Zoology at Kurukshetra University, Kurukshetra, India, Dec. 21. He presented "Genome Evolution in Mosquitoes" to the Department of Genetics at Punjab Agricultural University in Ludhiana, India, Jan. 6. Rai gave the presentation "Genetics of a Colonizing Species: *Aedes albopictus* in the Continental United States" to the Department of Zoology at Punjabi University, Chandigarh, India, Jan. 10. He delivered the plenary lecture titled "Genetics of Vectors of Human Disease" at the international symposium on "Genetics, Health and Disease" held at Guru Nanak Dev University, Amritsar, India, Feb. 5-9. Rai also visited the Department of Genetics at the University of Birmingham, Birmingham, England, Dec. 18, and the Malaria Research Centre, Delhi, India, Feb. 10.

Eugene W. Rochberg-Halton, associate professor of sociology, presented a paper "Lewis Mumford and the Critical Tradition" to the Yale Political Theory Seminar at Yale University, New Haven, Conn., Feb. 1.

Francesca Rochbert-Halton, assistant professor of history, presented "On the 'Scientific Community' of Late Babylonia" at the American Oriental Society in Atlanta, Ga., March 21.

Faculty Notes

David L. Schindler, associate professor in the Program of Liberal Studies, participated in the Ramsey Colloquium on the topic of "Theology and the Natural Law" at the Institute for the Study of Religion and Public Life in New York, N.Y., Oct. 16. He was a participant in a symposium on "The Priest and the Moral Life" on the occasion of the inauguration of the John Cardinal Krol Chair in Moral Theology at St. Charles Borromeo Seminary in Philadelphia, Pa., Jan. 17-19. He presented a paper on "The Theology of *Communio*" on the occasion of the founding of a Ukrainian edition of the journal *Communio* at the St. Sophia Association, Toronto, Canada, Jan. 23. Schindler lectured on "Meaning, Deconstruction and the Death of God" at a PLS faculty-student colloquium, Notre Dame, Ind., Jan. 30. He debated with George Weigel and Avery Dulles on the question "Is there a Catholic Moment for the Future (in America)?" at the ninth annual workshop for bishops of the United States, Canada, Central America, the Philippines and the Caribbean sponsored by the Pope John XXIII Center, Dallas, Tex., Feb. 8.

James H. Seckinger, director of the National Institute for Trial Advocacy and professor of law, was a faculty member for the NITA Motions Practice Program at the Stapleton Plaza Hotel in Denver, Colo., Feb. 15-16. He served as program coordinator and a faculty member for the NITA/Keck, Mahin & Cate Law Firm Deposition Program in Chicago, Ill., Feb. 18. He also gave a lecture to the faculty on Effective Teaching Techniques.

Thomas L. Shaffer, Short professor of law, gave an "enrichment" lecture on "The Communitarian Argument in Legal Ethics" at the University of Oklahoma in Norman, Okla., March 5.

Robert M. Slabey, associate professor of English, presented a paper "Vietnam in American Eyes" at the annual conference of the Popular Culture Association/American Culture Association held in Toronto, Ontario, Canada, March 9.

Philip R. Sloan, chairman and associate professor in the Program of Liberal Studies, delivered the lecture "Experimental Adjudication: The Organic Molecules Controversy" to the Department of History and Philosophy of Science at Cambridge University, Cambridge, England, Jan. 25.

Donald E. Sporleder, professor of architecture, met with the National Council of Architectural Registration Boards Administration and Methodology Committee in Breckenridge, Colo., Feb. 22-24. He serves as a member of the development subcommittee working on computer simulations for the Architect Registration Examination.

Francis S. Tebbe, O.F.M., associate director of the Institute for Pastoral and Social Ministry and associate professional specialist, conducted a two-day workshop on Adult Learning and Management Skills for 30 new directors of Continuing Education from across the United States and Canada. The workshop was held prior to the annual convention of the National Organization for Continuing Education of Roman Catholic Clergy in Orlando, Fla., Feb. 17-18. He is a member of the board of directors and serves as secretary/treasurer on the executive committee of the national organization.

Jay Tidmarsh, associate professor of law, delivered an invited lecture "Medical Malpractice: Common Law Origins and Statutory Reform" to senior nursing students at Indiana University at South Bend, Ind., Feb. 27.

G.N.R. Tripathi, professional specialist in the Radiation Laboratory, delivered the paper "Transient Raman Study of the Reaction of OH Radical With p-Benzoquinone and Hydroquinone" at the Pittsburgh Conference held in New York, N.Y., March 5-9.

Anthony M. Trozzolo, professor of chemistry and biochemistry, presented an invited lecture titled "Solid-State Photochromism—The Odyssey of Ylide" at the Chemistry Department Colloquium at the University of California at Santa Barbara, Calif., Feb. 16.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "Transient and Steady State Studies of the Gas Phase and Catalytic Oxidative Coupling of Methane" at the Pacific International Congress in Honolulu, Hawaii, Dec. 17-22.

John H. Yoder, professor of theology, taught a course module on the ethics of war and peace at the South Florida Center for Theological Education in Coral Gables, Fla., March 13-16.

Deaths

Lawrence F. Stauder, associate professor emeritus of electrical engineering, Feb. 27.

Harry T. Worthington, assistant professor emeritus of management, Feb. 25.

Documentation

Corrections to the 1990 *Notre Dame Report* Photo Directory for Faculty and Professional Administrators

Corrections



Virginia G. Ori
Analyst/Consultant
User Services



E. Ann Rice
Executive Editor
University Press

Annemarie K. Keinath is Assistant Professor of Accountancy.
Kevin M. Misiewicz is Associate Professor of Accountancy.
Gregory Trompeter is Assistant Professor of Accountancy.

Additions



James W. Frick
Vice President Emeritus
University Relations



**Col. Howard T.
Hanson**
Chairperson and Professor
Aerospace Studies



Capt. John C. Horn
Assistant Professor
Aerospace Studies



James D. Mills
Adjunct Assistant Professor
Electrical and Computer
Engineering



Richard R. Otter
Professor Emeritus
Mathematics



R. Michael Schafer
Adjunct Assistant Professor
Electrical and Computer
Engineering

Documentation

University Libraries' Hours During the Easter Holidays April 12-16, 1990

Date	Hesburgh Library		Engineering & Science Libraries	
	Building	Public Services		
Thursday	April 12	8 a.m. - Midnight	8 a.m. - 10 p.m.	8 a.m. - 5 p.m.
Friday	April 13	8 a.m. - Midnight	8 a.m. - Noon* 5 p.m. - 10 p.m.	Closed
Saturday	April 14	9 a.m. - Midnight	9 a.m. - 5 p.m.	9 a.m. - 5 p.m.
Sunday	April 15	Closed for Easter		Closed
Monday	April 16	All libraries return to their regular schedules		

* The following public service areas will be open April 13:

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

Advanced Studies

Current Publications and Other Scholarly Works

Current publications should be mailed to the Division of Sponsored Programs, Room 314, Main Building.

COLLEGE OF ARTS AND LETTERS

American Studies

Costello, Donald P.

- D.P. Costello. 1989. The Language of *The Catcher in the Rye*. Volume 18, Pages 175-177 in, G.J. Senick, ed., *Children's Literature Review*. Gale Research Company, Detroit, Michigan.

Art, Art History and Design

Pyne, Kathleen A.

- K.A. Pyne. 1989. John Twachtman and the Therapeutic Landscape. Pages 49-69 in, John Twachtman: Connecticut Landscapes. National Gallery of Art, Washington, D.C.

Vogl, Donald G.

- D.G. Vogl. 1990. Collage (work on paper). Zebra. 1990 Anderson Winter Show (juried exhibition). Anderson Fine Arts Center, Anderson, Indiana.

Core Course

Connelly, CSC, James T.

- J.T. Connelly, CSC. 1989. Review of C. Douglas Weaver's, *The Healer-Prophet, William Marrion Branham: A Study of the Prophetic in American Pentecostalism*. *Church History* 58(2):262-263.
- J.T. Connelly, CSC. 1989. Bishop Luers and the Autonomy of the Sisters of the Holy Cross. Pages 7-33 in, *Fruits of the Tree: Sesquicentennial Chronicles of the Sisters of the Holy Cross, Volume II*. Sisters of the Holy Cross, Notre Dame, Indiana.
- J.T. Connelly, CSC. 1989. Review of Justus George Lawler's, *Speak That We May Know: A Spirituality for Uttering the Inner You*. *The Christian Century* 105(5):599-600.
- J.T. Connelly, CSC. 1989. William J. Seymour. Pages 381-387 in, C.H. Lippy, ed., *Twentieth-Century Shapers of American Popular Religion*. Greenwood Press, New York, New York.
- J.T. Connelly, CSC. 1989. Review of Léon Verheek's, *Ombres et Clairières: Histoire de l'implantation de l'Eglise catholique dans le diocèse de Sakania, Zaire (1910-1979)*. *Church History* 58(4):545.

Ewens, OP, Mary

- M. Ewens, OP. 1990. Lessons from the Quinn Consultation. Pages 57-72 in, D. Steinberg, OSC, ed., *The Future of Religious Life*. Liturgical Press, Collegeville, Minnesota.

Neiman, Alven M.

- A.M. Neiman. 1990. Wittgenstein, Bodies and Meaning. Pages 244-248 in, R. Page, ed., *Proceedings of the Annual Meeting of the Philosophy of Education Society*. Philosophy of Education Society, Normal, Illinois.

Economics

Craypo, Charles

- C. Craypo. 1990. The Decline in Union Bargaining Power. Pages 3-44 in, B. Nissen, ed., *U.S. Labor Relations, 1945-1989: Accommodation and Conflict*. Garland Publishers, New York, New York.

Kim, Kwan S.

- K.S. Kim. 1989. Review of G. White's, *Developmental States in East Asia*. *The Journal of Asian Studies* 48(1):123-125.

English

Brogan, Jacqueline V.

- J.V. Brogan. 1990. Elizabeth Bishop: Perversity as Voice. *American Poetry* 7(2):31-49.
- J.V. Brogan. 1990. Slaughter of Time? *Common Sense* 4(5):4.

Bruns, Gerald L.

- G.L. Bruns. 1990. The Hermeneutics of Midrash. Pages 189-213 in, R. Schwartz, ed., *The Book and the Text: The Bible and Literary Theory*. Basil Blackwell, London, England.

Government and International Studies

Dowty, Alan K.

- A.K. Dowty. 1990. Emergency Powers in Israel: The Devaluation of Crisis. Pages 1-43 in, S.-c. Leng, ed., *Coping with Crises: How Governments Deal with Emergencies*. University Press of America, Lanham, Maryland.

History

Blantz, CSC, Thomas E.

- T.E. Blantz, CSC. 1990. Francis Joseph Haas. Page 504 in, D.G. Reid, ed., *Dictionary of Christianity in America*. Inter-Varsity Press, Downers Grove, Illinois.

Advanced Studies

Walicki, Andrzej S.

- A.S. Walicki. 1989. Karl Marx Como Filosofo de la Libertad. *Estudios Publicos* 36:219-272.

Music

Stam, Carl L.

- C.L. Stam. 1990. Conductor. Notre Dame Glee Club. Concert (including male choral music by Handl, Hassler, Schubert, Schumann and Britten). Singers' Club of Cleveland. Kulas Auditorium, John Carroll University, Cleveland, Ohio.
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COLLEGE OF ENGINEERING

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COLLEGE OF BUSINESS ADMINISTRATION

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Advanced Studies

Summary of Awards Received and Proposals Submitted

In the period February 1, 1990, through February 28, 1990

Awards Received

<u>Category</u>	<u>Renewal</u>		<u>New</u>		<u>Total</u>	
	<u>No.</u>	<u>Amount</u>	<u>No.</u>	<u>Amount</u>	<u>No.</u>	<u>Amount</u>
Research	3	133,870	8	344,531	11	478,401
Facilities and Equipment	0	0	2	35,000	2	35,000
Instructional Program	0	0	4	51,000	4	51,000
Service Program	0	0	8	44,990	8	44,990
Other Program	<u>0</u>	<u>0</u>	<u>3</u>	<u>36,700</u>	<u>3</u>	<u>36,700</u>
Total	3	133,870	25	512,221	28	646,091

Proposals Submitted

<u>Category</u>	<u>Renewal</u>		<u>New</u>		<u>Total</u>	
	<u>No.</u>	<u>Amount</u>	<u>No.</u>	<u>Amount</u>	<u>No.</u>	<u>Amount</u>
Research	4	505,075	17	1,730,108	21	2,235,183
Facilities and Equipment	0	0	4	651,000	4	651,000
Instructional Program	0	0	3	25,589	3	25,589
Service Program	0	0	0	0	0	0
Other Program	<u>0</u>	<u>0</u>	<u>3</u>	<u>27,972</u>	<u>3</u>	<u>27,972</u>
Total	4	505,075	27	2,434,669	31	2,939,744

Advanced Studies

Awards Received

In the period February 1, 1990, through February 28, 1990

<u>Department or Office</u>	<u>Principal</u>	<u>Short Title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
School Architecture	Hurttt	Le Corbusier: Archetypal and Imago Mundi Themes	Graham Fdtn.	7,500 19
Biological Sciences	Kulpa	Treatment of Gold Ores	Newmont Metal- lurgical Serv.	43,295 12
Biological Sciences	Goetz	North Central Regional Aquaculture Center	Michigan State Univ.	850 12
Chemistry and Biochemistry	Helquist	New Methods in Organometallic and Synthetic Organic Chemistry	Natl. Sci. Fdtn.	85,000 12
Chemistry and Biochemistry	Chibber	Carboxyl Terminal Sequencing of Proteins and Peptides	Porton Instruments	32,000 12
Chemistry and Biochemistry	Tannor	Chemical Branching in Photodis- sociation: Theoretical Studies	Natl. Sci. Fdtn.	48,020 12
Elect. Comp. Eng.	Bernstein	IBM Technical Gifts Program 12-08-89	Intl. Business Machines	20,000 12
Elect. Comp. Eng.	Bernstein	IBM Technical Gifts Program 12-14-89	Intl. Business Machines	5,000 12
Mathematics	Stanton, Cummins	P.D.E. and Several Complex Variables	Natl. Sci. Fdtn.	32,300 12
Physics	Furdyna	II-VI Semiconductors, Diluted Magnetic Semiconductors	Purdue Univ.	118,000 12
Physics	Furdyna, Giebultowicz, Samarth	Neutron Scattering in DMS	Natl. Sci. Fdtn.	86,436 11

AWARDS FOR FACILITIES AND EQUIPMENT

Elect. Comp. Eng.	Bernstein	Surplus Equipment	Intel Corp.	10,000 12
Elect. Comp. Eng.	Bernstein	Technical Gifts Program	Intl. Business Machines	25,000 12

Advanced Studies

AWARDS FOR INSTRUCTIONAL PROGRAMS

Government Intl. Stud.	Lopez	Introductory International Relations Course	Lilly Endow., Inc.	5,000 2
Romance Lang./Lit.	Doering	Poets, Painters and Musicians of France	Lilly Endow., Inc.	5,000 2
Law School	McLean	Food and Drug Law Course	Food & Drug Law Inst.	3,500 4
Physics	Rettig	REU Site Program for Physics	Natl. Sci. Fdtn.	37,500 12

AWARDS FOR SERVICE PROGRAMS

Cent. Social Concerns	McNeill	Center for Social Concerns	Various Others	2,110 1
ND Cent. Past. Concerns	Bernstein	Notre Dame Center for Pastoral Liturgy - Publications	Various Others	832 1
ND Cent. Past. Liturgy	Bernstein	Notre Dame Center for Pastoral Liturgy	Various Others	6,050 1
Cent. Cont. Form. Min.	Pelton	Notre Dame Center for Continu- ing Formation in Ministry	Various Others	22,040 1
Inst. Past. Soc. Min.	Pelton	Institute for Pastoral and Social Ministry	Various Others	360 1
Inst. Past. Soc. Min.	Pelton	IPSM Dynamic Parish	Various Others	1,293 1
Latin/North Amer Church Conc.	Pelton	Latin and North American Church Leaders	Various Others	905 1
Prog. Church Leaders	Kelly	Programs for Church Leaders	Various Others	11,400 1

AWARDS FOR OTHER PROGRAMS

Cent. Educ. Oppor.	Nelson, Smith	Project Mass Comm	S.B. Tribune/ W.S.B.T.	4,000 10
Philosophy	McInerney	Compensation-Osberger	Homeland Foundation	30,000 12
So. Bend Cent. Med. Educ.	Olson	Travel Award: NSF Division of International Programs	Natl. Sci. . Fdtn.	2,700 5

Advanced Studies

Proposals Submitted

In the period February 1, 1990, through February 28, 1990

<u>Department or Office</u>	<u>Principal</u>	<u>Short Title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
PROPOSALS FOR RESEARCH				
Aerospace Mech. Eng.	Nelson	Limit Cycle Roll Oscillations	NASA - Ames Research Cent.	12,175 24
Aerospace Mech. Eng.	Nelson	Vortex Dynamics	NASA - Ames Research Cent.	57,662 14
Biological Sciences	Lodge	Impact of Habitat and Fish Predation on Nuisance Crayfish	Sport Fishing Institute Fund	6,499 12
Biological Sciences	Lodge	ROA: Predation, Herbivory, and Disturbance	Natl. Sci. Fdtn.	27,096 12
Biological Sciences	Diffley	Immunoassay to Detect HET Acid	Oxychem Tech- nology Center	20,290 12
Biological Sciences	Craig	<i>Aedes albopictus</i> in Florida	Florida Dept Hlth/Rehab Ser	38,039 24
Biological Sciences	Goetz	PI/PKC and Ovulation	Natl. Inst. Health	131,516 12
Chemistry and Biochemistry	Hayes	Core Excitation of Molecules	Amer Chem Soc Petro Res Fund	58,316 24
Chemistry and Biochemistry	Castellino, Boutaud	Urokinase Variants	Amer. Heart Assocn.-Ind.	29,220 24
Chemistry and Biochemistry	Castellino, Velardo	Tissue Type Plasminogen Activator Variants and Chimeras	Amer. Heart Assocn.-Ind.	14,610 12
Chemistry and Biochemistry	Scheidt	X-Ray and Chemical Studies of Metalloporphyrins	Natl. Inst. Health	248,425 12
Cent. Study Cont. Soc.	Hallinan	Determinants of Students' Interracial Friendliness	Natl. Inst. Health	137,179 12
Elect. Comp. Eng.	Lent	Theory of Lateral Quantum Devices	Texas Instruments	47,994 12
Government Intl. Stud.	Kommers	American Constitutionalism in Comparative Perspective	Natl. Endow. Humanities	84,771 12
History	Critchlow	Multi-Volume History of U.S. to be Published in Polish	U.S. Informa- tion Agency	124,185 36

Advanced Studies

Mathematics	Dyer	Geometry of KAC-Moody Groups	Natl. Sci. Fdn.	42,303 24
Physics	Poirier	Research at Ultra High Energies	Natl. Sci. Fdn.	196,050 12
Physics	Furdyna	Ordered II-VI Semiconductors	Solar Energy Research Inst.	597,543 36
Physics	Kolata, Garg	Nuclear Reaction and Structure Studies with Heavy Ions	Natl. Sci. Fdn.	256,491 12
Physics	Poirier	Research at Ultra High Energies -Supplement	Natl. Sci. Fdn.	48,425 12
So. Bend Cent. Med. Educ.	Kingsley, Kingsley	Age-Related Changes in the Adrenal Medulla	Amer. Heart Assocn.-Ind.	56,394 24

PROPOSALS FOR FACILITIES AND EQUIPMENT

Biological Sciences	Fuchs	Small Instrumentation Grant	Natl. Inst. Health	31,000 12
Cent. Bioeng. Pollution Cnt.	Irvine	Center for Bioengineering and Pollution Control Modernization	Natl. Sci. Fdn.	500,000 36
Physics	Cason, LoSecco, Ruchti, Shephard	Equipment for Brookhaven Exper- iment E-852	Natl. Sci. Fdn.	60,000 6
Physics	Cason, LoSecco, Ruchti, Shephard	Equipment for Brookhaven Exper- iment E-852	Dept. Energy	60,000 6

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Biological Sciences	Lodge	REU Supplement: Predation, Herbivory and Disturbance	Natl. Sci. Fdn.	10,929 12
Government Intl. Stud.	Lopez	Introductory International Relations Course	Lilly Endow., Inc.	7,330 2
Romance Lang./Lit	Doering	Poets, Painters and Musicians of France	Lilly Endow., Inc.	7,330 2

PROPOSALS FOR OTHER PROGRAMS

Cent. Educ. Oppor.	Outlaw, Smith	SYEP	St. Joe Cty Job Training Prog.	22,654 5
Communication Theatre	Barkes	Theatre Grottesco	Arts Midwest	4,500
Prog. Lib. Stud.	Nicgorski	International Society for the Study of European Ideas	Amer. Council Learned Soc.	818

Notre Dame

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