

# notre dame report

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# the university

## sr. gallin named trustee

Sister Alice Gallin, executive director of the Association of Catholic Colleges and Universities (ACCU), has been elected a trustee of the University.

Sister Gallin received her bachelor's degree from the College of New Rochelle in 1942, a master's degree from Fordham University in 1944, and a Ph.D. from Catholic University of America in 1955. She is a member of the Order of St. Ursula.

Before assuming the executive director's position in 1980, Sister Gallin was associate director of the Washington-based ACCU for four years. From 1950 to 1978 she was on the history faculty of the College of New Rochelle, teaching modern European history and chairing the history department for three separate terms. She has written two books on 20th Century German history. While on leave from the college, she was director of research for the U.S. bishops' Bicentennial program on "Liberty and Justice for All" in 1976. Administrative posts at New Rochelle included acting academic dean, director of public relations, and dean of students.

## reich to head alumni association

Joseph A. Reich, Jr., Colorado Springs, has been elected president of the 78,000-member Notre Dame Alumni Association, effective July 1. He is executive vice president of the First West Group, a commercial and investment real estate company.

Reich succeeds Joseph F. Dillon of South Bend, who will become honorary president of the association and will continue as an ex officio member of the Board of Trustees. As president of the Association, Reich also becomes a Notre Dame trustee.

Reich received a bachelor of science degree at Notre Dame in 1957 and served three years as an ensign with the U.S. Navy before returning to Colorado Springs to enter the business field. He presently is a certified commercial investment member of the Realtor's National Marketing Institute.

Reich also serves as chairman of the Colorado Springs Chamber of Commerce, as a trustee of the Strake Foundation of Houston, and as a captain in the Naval Reserve. He and his wife, the former Ann McCarthy of Okarche, Okla., are the parents of four children.

## reilly to leave dean's post

Frank K. Reilly, holder of the Bernard J. Hank Chair and dean of the College of Business Administration, will step down as dean at the end of the 1986-87 school year. A specialist in finance who came from the University of Illinois in 1982 to assume the deanship, Reilly will return to full-time teaching and research in the Department of Finance and Business Economics and continue in the Hank Chair. A search committee will be formed to seek a new dean, according to Provost Timothy O'Meara.

Reilly took his undergraduate degree in business at Notre Dame in 1957, received M.B.A. degrees from Northwestern University and the University of Chicago, and earned a Ph.D. from Chicago in 1968. He taught at the Universities of Wyoming and Kansas, in addition to Illinois, where he received two awards for teaching. He is the author of more than 100 monographs, articles, and papers in the field of finance and has served as president of the Eastern Finance Association and the Midwest Business Administration Association. He is the author of two books, "Investments" and "Investment Analysis and Portfolio Management," and editor of "Reading and Issues in Investments."

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## new law journal here

The Notre Dame Law School has been selected as the new home for the Journal of College and University Law, according to Law School dean David T. Link and John A. Beach, president of the National Association of College and University Attorneys (NACUA).

A quarterly publication, the Journal will be jointly published by the Law School and NACUA, a nonprofit organization established in 1961 which now serves eight hundred institutions of higher learning and the 2,500 attorneys representing them. Fernand N. Dutile, professor of law at Notre Dame, will edit the journal, which will examine legal issues of interest to all American colleges and universities.

## gift to endow scholarship fund

A \$500,000 bequest from the estate of Robert L. Roach of Muscatine, Iowa, will endow a scholarship fund at Notre Dame in memory of his son, William Leroy Roach, who died in 1937.

Roach, a Muscatine millwork industry executive and insurance agency owner, died on May 15, 1986. He was a 1915 alumnus of Notre Dame, where he served as president of both his junior and senior classes. He also served as Iowa representative of the Notre Dame foundation, a fund-raising arm of the University, in 1955.

He was an officer and director of Roach and Mussner Co., a millwork firm, since 1925 and between 1929 and 1949 he operated an investment and insurance agency in Muscatine.

Income from the Roach Scholarship fund will be divided among the four undergraduate years so that Roach scholars will always be represented in every class. Preference will be given to eligible candidates from Muscatine.

## tuition, room and board increase

Undergraduate tuition, room, board and laundry at the University will increase 8.5 percent to a total of \$11,350 in 1986-87.

Undergraduate tuition went up to \$780 to \$8,625, and room, board and laundry charges increased \$180 to \$2,725. Graduate School tuition went up \$855 to \$8,505, Law School, up \$955 to \$9,215, and M.B.A., up \$855 to \$8,605.

In a letter to parents of undergraduates announcing the increases approved by the University's trustees, Father Hesburgh observed that last academic year Notre Dame ranked 33 out of 35 peer institutions in total cost. The comparison group included Ivy League institutions, Northwestern, Duke, Boston College, Chicago, Georgetown, and Johns Hopkins universities.

## monsanto gift for business scholarships

A \$150,000 gift from the Monsanto Fund has established several undergraduate scholarships in the College of Business Administration.

The gift memorializes Notre Dame alumnus Francis J. ("Jack") Fitzgerald of Frontenac, Mo., who died last April at age 58 shortly after becoming president and chief operating officer of Monsanto Co., one of the world's largest chemical companies.

Fitzgerald was graduated from Notre Dame in 1950 with a degree in accounting. The following year, he joined Monsanto as a cost analyst and remained with the company in a wide variety of responsibilities before assuming the presidency and membership on the board of directors on April 1 of this year. On the morning of April 26 he died in his sleep at home, apparently after having suffered a heart attack. He is survived by his widow, the former Patricia Sullivan of New Berlin, Ill., seven children, and nine grandchildren.

# faculty notes

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## honors

Maureen T. Hallinan, William P. and Hazel B. White professor of sociology, has been appointed to the Sociology review panel of the National Science Foundation.

Edward A. Kline, professor and chairman of English and director of the Freshman Writing Program, has been appointed to the editorial board of the Computer-Assisted Composition Journal.

## activities

Kathleen Biddick, assistant professor of history, delivered a paper titled "Seigneurial Control of the Consumption of Pastoral Production on an English Feudal Estate in the 14th Century" at the annual meeting of the Society for Economic Anthropology, University of Illinois, April 12.

Craig J. Cramer, assistant professor of music, was organist for the Indiana/Kentucky Synod Convention of the Lutheran Church in America, Valparaiso University Chapel, June 28.

Denis Goulet, O'Neill professor of education for justice, was an invited speaker at the 1986 North-South Summer Workshop of the Hubert H. Humphrey Institute of Public Affairs, University of Minnesota, June 23. His topic was "Organizational Barriers in Development."

William G. Gray, professor and chairman of civil engineering, presented a general lecture titled "Evolution of Two-Dimensional FE Wave Equation Models" at the VI International Conference on Finite Elements in Water Resources, Lisbon, Portugal, June 2. He also chaired a session on Groundwater Simulation at the conference.

Maureen T. Hallinan, William P. and Hazel B. White professor of sociology, presented "Chapter I and Student Achievement: A Conceptual Model" at a conference on "Effects of Alternative Designs in Compensatory Education," Research and Evaluation Associates, Washington, D.C., June 17-19.

Robert J. Havlik, engineering/architecture librarian, presented a paper on academic engineering library - industry relations at the American Association for Engineering Education Annual Meeting in Cincinnati, Ohio, June 25.

Patrick Horsbrugh, professor emeritus of architecture, spoke on "The Geospacial Commitment: The Inevitable Planning Dimension," at the Second International Conference on Advances in Geotectural Design co-sponsored by The American Underground Space Center, The Environic Foundation International, and others, held at the University of Minnesota, Minneapolis, June 15. He also gave the opening address, "The Prairie: Roots of Our Culture; Foundation of Our Economy," at the Tenth North American Prairie Conference sponsored by The Native Prairies Association of Texas, and held at the Texas Women's University, Denton, June 22. He served as one of a team of judges for Designing for Area Resource Management Efficiency Design Competition, sponsored by the city of Austin, Texas, June 26.

Nai-Chien Huang, professor of aerospace and mechanical engineering, presented a paper titled, "Crack Growth Along Grain Boundaries," coauthored with S.G. Russell, at the International Conference on Role of Fracture Mechanics in Modern Technology in Fukuoka, Japan, June 2-6. He also chaired a special session, "Numerical Analysis," at the conference.

Roger F. Jacobs, professor of law and law school librarian, participated in a seminar titled "Law Librarianship and Law Library Administration" at the University of Michigan Law Library, Ann Arbor, June 12.

Jeffrey C. Kantor, associate professor of chemical engineering, chaired a session titled "Robustness and Modelling Issues in Process Control" at the 1986 American Control Conference in Seattle, Washington, June 18. He presented two papers titled "Spectral Radius Design for Robust Multivariable Control" and "Stability of State Feedback Transformations for Nonlinear Systems - Some Practical Considerations."

Ingemar P.E. Kinnmark, assistant professor of civil engineering, presented a paper titled "A Wave Equation Formulation of River Flow" at the Sixth International Conference on Finite Elements in Water Resources in Lisbon, Portugal, June 4.

He also chaired a session called "Hydrodynamics and Transport in Surface Waters" at the conference.

Donald Kline, professor of psychology, gave an invited paper titled "Visual Aging and Discrimination Under Low Illumination" and participated in the "Low Vision and Aging Workshop: Technologies to Assist the Low Vision Elderly" co-sponsored by NASA, NIA, AoA, and the VA in Washington, D.C., June 9-11.

Douglas W. Kmiec, professor of law, has been named a Fulbright 40th Anniversary Distinguished Fellow to give several lectures and seminars on the American Constitution on Hong Kong, Malaysia, the Philippines, and Taiwan. Kmiec is on leave from the University to serve as deputy assistant attorney general in the U.S. Justice Department.

Charles F. Kulpa, associate professor of biological sciences, presented an invited lecture titled "Sequencing Batch Reactor for Treatment of Hazardous Landfill Leachate" at the Southeastern Symposium on In-Situ Treatment and Immobilization of Hazardous and Radioactive Wastes at the University of Tennessee, Knoxville, June 9-10. He also presented a seminar titled "Control of Iron Oxidation in *Thiobacillus ferrooxidans*" at Montana State University, Bozeman, Mt., June 18, and presented seminars titled "Control of Iron Oxidation in *Thiobacillus ferrooxidans*" and "Treatment of Hazardous Waste in the Sequencing Batch Reactor" at E.G. & G. - DOE Lab in Idaho Falls, Idaho, June 23.

David C. Leege, professor of government and international studies, made two presentations to the Adult Forum at Christ Lutheran Church, Washington, D.C., on the topic, "A Lutheran Reflects on the Notre Dame Study of Catholic Parish Life." The first, June 8, was titled "American Catholics and Their Parishes: A Contemporary Portrait." The second, June 15, was titled "What Lutherans and Catholics Can Learn From Each Other."

A. Eugene Livingston, associate professor of physics, presented three papers, "Quartet State Fine Structure in Si XII," "Fine Structure of Hydrogenic Transitions in High-Z Four-Electron Ions," and "The 2s-2p Fine Structure Transitions in Helium-Like S XV," with co-authors E.J. Galvez and A.J. Mazure, at the 17th Annual Meeting of the

Division of Atomic, Molecular, and Optical Physics of the American Physical Society, at the University of Oregon, Eugene, June 18-20.

Scott Mainwaring, assistant professor of government and international relations, gave a lecture titled "The Catholic Church and Social Movements" at the Federal University of Santa Catarina, Florianopolis, Brazil, June 16.

Anthony N. Michel, professor of electrical and computer engineering, presented a seminar on qualitative theory for composite dynamical systems at the INRIA in Paris, France, May 29, and a paper titled "Stability Analysis of Interconnected Dynamical Systems: Hybrid Systems Involving Operators and Difference Equations" at the IMACS-IFAC Symposium held at the Institut Industriel du Nord, in Lille, France, June 3-6. He also visited the ETH in Zurich, Switzerland. In addition, he lectured on stability theory of dynamical systems at a workshop titled "Qualitative Methods for the Analysis of Nonlinear Dynamics" sponsored by the Engineering Foundation and held at the New England College, Haverhill, N.H., June 8-13.

Kevin M. Misiewicz, associate professor of accountancy, gave an invited presentation titled "Computers in the Classroom: Practical Considerations" at the 1986 Graduate Tax Education Symposium sponsored by the American Institute of Certified Public Accountants and held at Ann Arbor, Mich., June 3.

Thomas J. Mueller, professor of aerospace and mechanical engineering and Director of Engineering Research and Graduate Studies, presented an invited lecture titled "Airfoil Aerodynamics at Low Reynolds Numbers" at The AIAA Fourth Applied Aerodynamics Conference, San Diego, Calif., June 10.

Guillermo O'Donnell, academic director of the Kellogg Institute and Helen Kellogg professor of international studies, served as a member of the Presidential Panel of the World Congress of the International Sociological Association, held in New Delhi, India, in August. The theme of the congress was "Sociology and Political Science."

Carl W. O'Neill, professor and chairman of anthropology, gave a paper titled "The Nonviolent Zapotec: the Phenomenon and Some Explanatory

Factors Derived from Research" at the Peace, Action, and the Concept of Self Conference, Department of Social Anthropology, University of Edinburgh, Scotland, June 19-21.

Leonard Orr, assistant professor of English, delivered a paper on "Joyce's Dubliners and the Semiotics of Description" and chaired the session on The Modernist Narrative of Dubliners at the Tenth International Joyce Symposium, Copenhagen, Denmark, June 16-21.

Daniel J. Pasto, professor of chemistry, presented a poster session titled "Stabilization Energies and Electronic Structures of Substituted Methyl Radicals" at the 21st Reaction Mechanisms Conference in Austin, Tex., June 22-26.

Teresa Godwin Phelps, assistant professor of law, presented a paper titled "Defining the Rhetorical Situation: The Key to Effective Legal Writing" at the Wyoming Conference on English held at the University of Wyoming, Laramie, June 25.

Janet E. Smith, assistant professor in the program of liberal studies, gave a talk titled "Abortion: An Attack on Women" at the Allies for Faith and Renewal Conference '86 in Ann Arbor, Mich., June 5.

Dennis Snow, assistant professor of mathematics, gave two invited talks, "Invariants of Horemorphic Affine Flows" and "The Cohomology of Twisted Horemorphic Forms on Grassmann Manifolds and Quadric Hypersurfaces" at the Canadian Mathematical Society Annual Summer Meeting at St. John's, Newfoundland, Canada, June 14-17.

J. Sobhanadri, professional specialist in the Radiation Laboratory, presented a paper titled "Infrared and Raman Band Shapes and Molecular Dynamics in Liquid Picolines" at the 41st Molecular Spectroscopy Symposium, Columbus, Ohio, June 16-20. He also gave a seminar titled "Microwave and Optical Absorption Studies of Cds and CuInSe<sub>2</sub> Films Using Laser Flash Photolysis" at the Solar Energy Research Institute, Golden, Colo., July 2. He also presented "Time Resolved Microwave and Optical Absorption Studies of Photoconductive Response of Hot Wall and MBE Grown Semiconducting Films" for the Electrical

Engineering Department, University of California--Los Angeles, July 3.

Donald E. Sporleder, professor of architecture, presented the report of the Treasurer at the annual meeting of the National Council of Architectural Registration Boards (NCARB) held in Atlanta, Ga., June 24-28. He also participated in two panel presentations, reporting as chairman of the Finance Committee and as chairman of the Education Evaluation Committee of the Council. He served the past three years on the NCARB Board of Directors, and as treasurer and a member of the Executive Committee this past year.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "Transient FTIR Studies of Multiplicities, Oscillations and Reaction Non-Uniformities during CO and Ethylene Oxidation on Supported Pt and Pd Catalysts" at the Ninth International Symposium on Chemical Reaction Engineering, Philadelphia, Pa., May 18-21. He also presented a paper "TEM Characterization and FTIR Studies of the NO-CO reaction on Pt/SiO<sub>2</sub>/WO<sub>3</sub> Catalysts" at the Spring Symposium of the Chicago Catalysis Society, Illinois Institute of Technology, Chicago, May 12. J. Regalbuto was the coauthor. Another paper titled "FTIR Studies of Hydrocarbon Synthesis" was presented by the coauthor, R. Thomson, at the Spring Symposium of the Michigan Catalysis Society, May 26.

Warren J. Wong, professor of mathematics, presented the following invited talks: "Matrix Groups," University of Auckland, Auckland, New Zealand, April 14; "Matrix Groups," University of Otago, Dunedin, New Zealand, May 22; "Maps on Spaces of Linear Transformations," annual New Zealand Mathematical Colloquium (invited principal speaker), University of Canterbury, Christchurch, New Zealand, May 20.

Kwang-Tzu Yang, Viola D. Hank professor of aerospace and mechanical engineering, and the 1986 NAVSEA Research Chair professor of mechanical engineering at Naval Postgraduate School, Monterey, Calif., where he is presently on sabbatical leave, presented two lectures at the Lawrence Livermore National Laboratory (Fire Science Group), Livermore, Calif., July 11, titled "Fire Modeling for Submarine Compartments."

# administrators' notes

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## appointments

Darlene Cutrona has been named a copy editor in the Publications and Graphic Services department. In addition to general copy editing and proof-reading duties for the department, she will serve as editor of Notre Dame Report and Advanced Studies. She was most recently a research assistant at Church Growth Services, Inc., a local consulting firm, and holds a bachelor's degree in communications from Bethel College, Mishawaka.

Phillip A. Johnson, director of campus security at Carleton College, Northfield, Minn., and a 1981 Notre Dame graduate, will assume the position of assistant director of security at Notre Dame July 21. Johnson previously served as director of campus safety at Aquinas College, Grand Rapids, Mich. He is licensed or certified in both Minnesota and Michigan as a peace officer and has completed the 520-hour state certified police officer training course at Grand Valley State College. At Notre Dame he majored in sociology and communications.

Ann Hesburgh Johnston has been appointed assistant director of the Annual Fund. She will assist director Daniel G. Reagan in the advancement of the University's phone mail program, direct mail program and matching gifts.

A native of California, she is a 1981 Notre Dame graduate. She has served as assistant to the admiral of U.S. Naval Forces in Japan and as base chairman for Red Cross volunteers in Yokosuka, Japan. Other activities have included communications specialist for Johnson and Higgins of California, Congressional aide to Rep. Daniel Lundgren of California and front desk manager for the Lexington Marriott Resort.

## honors

S. David Blessing, supervisor of the glassblowing shop in the Radiation Laboratory, received the J. Allen Alexander Award from the American Scientific Glassblowers' Society June 26.

Edwin B. Harris, associate director of financial aid, has been elected delegate-at-large to the Executive Committee of the Indiana Student Financial Aid Association (ISFAA). Dr. Harris will serve in this capacity for a two-year term.

## activities

An article by Richard W. Conklin, assistant vice president for University Relations and director of public relations and information, titled "Word Has Come From Minneapolis..." appeared in the Chicago Tribune April 17.

William J. Hickey, Jr., director of University Food Services, gave three sessions titled "Marketing Institutional Food Services" at the Indiana School Food Service Association's 33rd annual Spring Conference in Indianapolis April 26. He also gave two presentations, "Creative Merchandising" and "Conference and Short Course Catering," to the College Union Food Service Seminar at Purdue University, West Lafayette, Ind., June 10.

Alfred P. Large, Jr., assistant director of Educational Media, gave a slide presentation titled "Techniques for Better Photography" for the Kiwanis Club of Mishawaka, Ind., June 24.

James R. Wruck, deputy assistant provost for computing, gave an invited lecture, "Integrating Computing into the Higher Education Curriculum, Case Study: The University of Notre Dame," at the EDUCOM Seminar Series at Northwestern University, Evanston, Ill., May 12. He also gave an invited talk titled "Experiences with Integrating Computing into the Curriculum" at Drake University, Des Moines, Iowa, May 24.

# documen- tation

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## addendum to ndr #4 spring semester faculty, 1986

The following faculty members taught in the spring semester, 1986, and were not previously included in the faculty listing in Notre Dame Report #4.

JACK BEATSON, Adjunct Professor in the London Law Program. B.A., Jurisprudence, Brasenose College, Oxford, 1970; B.C.L., *ibid*, 1972; M.A., *ibid*, 1973.

DAVID ALEJANDRO BENAVENTE, Faculty Fellow in the Kellogg Institute. Licenciante, Catholic Univ. of Chile, 1969.

PHILIP H. BESS, Visiting Assistant Professor of Architecture. A.B., Whittier College, 1973; M. Theo. St., Harvard Divinity, 1976; M. Arch., Univ. of Virginia, 1981.

MICHAEL K. BILLINGTON, Adjunct Assistant Professor in the College of Arts and Letters London Program. B.A., Oxford, 1961.

MICHAEL E. BLAKE, Part-time Lecturer in Architecture. M.Sc.-Arch., Carnegie-Mellon Univ., 1984.

ALAN EDWARD BOYLE, Adjunct Associate Professor in the London Law Program. B.A., Oxford Univ., 1975; B.C.L., *ibid*, 1976; M.A., *ibid*, 1980.

SAMUEL R. BUSCETTA, Adjunct Instructor in Management. B.A., Oakland Univ., 1968; M.A., Ball State Univ., 1972.

REV. E. GERARD CARROLL, Adjunct Assistant Professor of Theology. B.Ph., Lateran Univ., 1962; S.T.L., *ibid*, 1966; S.T.D., *ibid*, 1969; B. Mus., London Univ., 1974.

NANCY LYNNE COLE, Adjunct Assistant Professor of Biological Sciences. B.A., St. Olaf College, 1976; Ph.D., Univ. of Texas, 1982.

ROBERTO AUGUSTO DAMATTA, Faculty Fellow in the Kellogg Institute. Ph.D., Harvard, 1970.

DAVID JOHN DANIELL, Adjunct Associate Professor in the College of Arts and Letters London Program. B.A., Oxford, 1952; M.A., *ibid*, 1956; Doctor of Philosophy, Univ. of London, 1972.

JANE ANN EGGLESTON, Adjunct Instructor in the Freshman Writing Program. B.A., Indiana Univ. at South Bend, 1981; M.A., Univ. of Notre Dame, 1985.

MARGARET S. FORREST, Adjunct Instructor in Sociology. B.Sc., Murray State Univ., 1971; M.Sc., Indiana Univ., 1973; M.A., Univ. of Notre Dame, 1983; Ph.D., *ibid*, 1985.

STEFAN N. FROMMEL, Adjunct Associate Professor in the London Law Program. LL.B., Univ. of Buenos Aires, 1954; Ph.D., *ibid*, 1958.



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CHANDANA GHAKRABARTI, Concurrent Assistant Professor and Assistant Faculty Fellow in Philosophy. B.A., Calcutta Univ., 1966; M.A., *ibid*, 1968; Ph.D., State Univ. of New York at Buffalo, 1975.

LAURA E. HAIGWOOD, Adjunct Assistant Professor in the Freshman Writing Program. B.A., Univ. of Calif. at Santa Cruz, 1978; M.A., *ibid*, 1981; Ph.D., *ibid*, 1984.

SANDRA C. HAYES, Adjunct Instructor in the Freshman Writing Program. B.S., Miami Univ., 1966.

REDI GOMIS-HERNANDEZ, Assistant Faculty Fellow in the Kellogg Institute. Licenciada, Univ. of Havana, Cuba, 1981.

THOMAS L. JAGER, Visiting Professor in Philosophy. Ph.D., Univ. of Chicago, 1971.

ROBERT CHARLES JAKLEVIC, Adjunct Professor in Physics. B.S., Rockhurst College, 1956; Ph.D., Univ. of Notre Dame, 1960.

WILLIAM J. KAISER, Adjunct Associate Professor in Physics. B.S., Wayne State Univ., 1977; Ph.D., *ibid*, 1983.

MARY SHARON KENNY, Adjunct Instructor in Marketing. B.A., Loyola Univ., 1973; M.M., Northwestern Univ., 1981.

REV. THOMAS KING, C.S.C., Adjunct Instructor in the Freshman Writing Program. B.A., Univ. of Notre Dame, 1965; M.A., Holy Cross College, 1968; M.A., Univ. of Notre Dame, 1981.

DAVID L. KOPPANA, Adjunct Instructor in Accountancy. B.S., Univ. of Notre Dame, 1974; M.B.A., Univ. of Michigan, 1979; M.A., 1986.

YOUNG JA LEE, 3/4 time Staff Professional Specialist in Chemistry. B.A., Ewha Women's Univ., 1966; M.S., *ibid*, 1970; Ph.D., *ibid*, 1975.

JOHN DAVID LINSLEY, Visiting Faculty Fellow in Physics. B.Physics, Univ. of Minnesota, 1944; Ph.D., *ibid*, 1952.

JUN MAKI, Visiting Assistant Professor of Biological Sciences. B.Sc., Univ. of Tokyo, 1974; Ph.D., *ibid*, 1980.

PATRICK MARTIN, Adjunct Instructor in Modern and Classical Languages. B.A., Univ. of Notre Dame, 1974; M.A., Columbia Univ., 1975.

HENRYK MATYJA, Visiting Professor of Materials Science and Engineering. M.Sc., Warsaw Tech. Univ., 1948; Ph.D., Moscow Steel Institute, 1953.

STANISLAW MIKOCKI, Staff Professional Specialist in Physics. M.S., Jagiellonian Univ., Poland, 1974; Ph.D., Virginia Tech., 1985.

ELIZABETH ANNE MOON, Staff Librarian. B.A., Univ. of Missouri at Columbia, 1978; M.L.I.S., Univ. of Texas at Austin, 1985.

SISTER MARY O'ROURKE, Guest Professor of Chemistry. B.S., St. Mary College, Kansas; M.S., Univ. of Notre Dame, 1962; Ph.D., *ibid*, 1967.

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SARAH RODEN ORR, Adjunct Instructor in the Freshman Writing Program. B.A., St. Lawrence Univ., 1975.

MICHAEL F. PALO, Visiting Assistant Professor of History. A.B., Queens College, 1966; M.A., *ibid*, 1968; Ph.D., Univ. of Illinois, 1978.

CHARLES PATRICK PETIT, Adjunct Instructor in Finance. B.S., Bentley College, 1980.

MICHAEL J. PODGURSKY, Visiting Assistant Professor of Economics. B.A., Univ. of Missouri, 1974; M.A., Univ. of Wisconsin, 1976; Ph.D., *ibid*, 1980.

JAMES R. POWELL, Adjunct Assistant Professor in the Freshman Writing Program. B.S., Rose-Hulman Institute, 1972; M.Sc., *ibid*, 1968.

JOHN A. POWERS, Adjunct Instructor in Arts and Letters. B.A., Rhode Island College, 1973; M.A., Univ. of Notre Dame, 1976.

HARRY H. RAJAK, Adjunct Professor in the London Law Program. B.A., Witwatersrand, Johannesburg, 1961; Bach. Laws, Univ. of Watersrand, 1964; M. of Laws, Univ. of London, 1966.

AMBROSE RICHARDSON, Professor Emeritus of Architecture. B.S., Armour Institute of Technology, 1939.

JAMES A. ROEMER, Director of Community Relations and Adjunct Associate Professor of Law. B.A., Univ. of Notre Dame, 1951; J.D., *ibid*, 1955.

MARY LARAE ROONEY, Adjunct Instructor in Theology. B.S., Siena Heights College, 1968; M.A., Univ. of Notre Dame, 1971.

PHILIPPE J. SANDS, Adjunct Assistant Professor in the London Law Program. B.A., Corpus Christi, Cambridge, 1982; LL.M., *ibid*, 1983.

RICHARD A. SCHOENHERR, Visiting Professor of Sociology. B.A., Sacred Heart Seminary, 1957; S.T.B., St. John's Seminary, 1961; M.A., Univ. of Chicago, 1966; Ph.D., *ibid*, 1970.

BROTHER MICHAEL SMITH, C.S.C., Adjunct Instructor in the Freshman Writing Program. A.B., St. Edward's Univ., 1964; M.A.T., Rhode Island College, 1972; M.A., Univ. of Notre Dame, 1978.

JOSEPH A. SPENCE, Adjunct Instructor in the College of Arts and Letters London Program. B.A., Univ. of Reading, England, 1981.

WILLIELL R. THOMSON, Adjunct Assistant Professor in the Program of Liberal Studies and Freshman Writing Program. B.A., Princeton Univ., 1963; M.A., Univ. of Wisconsin, 1965; Ph.D., Yale Univ., 1969.

JOHN P. THURIN, Adjunct Instructor in Marketing. A.B., Univ. of Notre Dame, 1959.

G. HERBERT TRUE, Adjunct Professor of Management. B.A., Univ. of Oklahoma, 1948; M.S., Northwestern Univ., 1952; Ph.D., Univ. of Iowa, 1956.

MIN-HSIUNG TSAI, Visiting Assistant Professor of Physics. B.S., Tsing Hua Univ., 1969; M.S., *ibid*, 1972; Ph.D., Univ. of Pittsburgh, 1976.

AKITO TSUBOI, Guest Assistant Professor of Mathematics. B.Sc., Univ. of Tokyo, 1979; M.Sc., Univ. of Tsukuba, 1982; Ph.D., *ibid*, 1985.

SUSHIL B. WADHWANI, Adjunct Instructor in the College of Arts and Letters London Program. B.Sc., London School of Economics, 1980; M.Sc., *ibid*, 1982.

DENNIS WASIKOWSKI, Adjunct Instructor in Management. B.A., Univ. of Notre Dame, 1972; M.A., Northwestern Univ., 1977.

ANITA LOUISE ZIMMERMAN, Adjunct Instructor in Management. B.A., Oral Roberts Univ., 1975; M.A., Emerson College, 1977.

# advanced studies

## current publications and other scholarly works

### COLLEGE OF ARTS AND LETTERS

#### American Studies

Schlereth, Thomas J.

T.J. Schlereth. 1985. The Material Culture of Childhood: Problems and Potential Historical Explanation. Bulletin d'histoire de la culture materielle 21:1-14.

#### Economics

Wilber, Charles K.

C.K. Wilber. 1985. Economics and Ethics: The Challenge of the Bishops' Pastoral Letter on the Economy. Notre Dame Journal of Law, Ethics and Public Policy 2(1):107-124.

C.K. Wilber. 1986. Methodological Debate in Economics: Editors Introduction. World Development 14(2):143-145.

C.K. Wilber and S. Francis. 1986. The Methodological Basis of Hirschman's Development Economics: Pattern Models vs. General Law. World Development 14(2):181-194.

C.K. Wilber. 1986. Capitalism and Crisis. Commonweal 113(7):214-216.

#### English

Matthais, John E.

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## COLLEGE OF BUSINESS ADMINISTRATION

### Finance and Business Economics

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# awards received

IN THE MONTH OF JUNE, 1986

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
History	K. Biddick	13th Century Pastoral Economics	Natl. Endow. Humanities	500 6
Chemistry	K. Thomas	Photochemistry in Constrained Systems	Natl. Sci. Fdn.	30,000 4
Aero. Mech. Eng.	T. Doligalski	Profile	Gen. Electric Co.	24,724 7
Biological Sciences	P. Leavitt, S. Carpenter	Carotenoid Deposition in Lakes	Natl. Sci. Fdn.	10,550 24
Biological Sciences	R. Hellenthal	ERAPT Mainframe Installation Guide	Environ. Prot. Agency	8,000 --
American Stud.	R. Schmuhl	Ben Hecht--An American Original	Newberry Library	1,500 2
Lobund Laboratory	M. Pollard	Research in Aging and the Prolongation of Life	Retirement Res. Fdn.	300,000 18
Mathematics	A. Pillay	Topics in Model Theory	Natl. Sci. Fdn.	19,300 12
Physics	J. Dow	Electronic Properties of Impurities in Solids	E.I. DuPont De Nemours Co.	21,000 12
Civil Eng.	Irvine, Ketchum, Kulpa, Silliman	Lab. Program for Biological Remediation of Soils	Niagara Mohawk Power Corp.	72,311 5
Physics	Shephard, Cason, Rutchi	Equipment for Fermilab E687	Natl. Sci. Fdn.	21,000 12
Chemistry	F. Castellino, J. Radek	Plasminogen Streptokinase Interaction	Amer. Heart Assocn.-Ind.	6,500 12
Chemistry	P. Huber	Conformation of 5S rRNA Gene	Amer. Heart Assocn.-Ind.	11,830 12
Chemistry	F. Castellino, B. Chibber	Plasminogen Antibodies	Amer. Heart Assocn.-Ind.	10,920 12
Chemistry	M. Chetcuti	Mixed Metal Metallacycle Chemistry	Amer. Chem. Society	2,000 2.5
Chemistry	R. Bretthauer	Lung Glycoprotein Synthesis	Natl. Inst. Health	118,547 12
Physics	B. Bunker	EXAFS and XANES Studies in Semiconductors	Dept. Navy	189,653 12
Biological Sciences	M. Pollard	Research and Services for American Biogenetic Sci., Inc.	Amer. Biogenetic Sci., Inc.	344,071 60
Chemical Eng.	C. Ivory	Continuous Flow Electrophoresis Device with Solute Recycle	Natl. Sci. Fdn.	51,100 12
Chemistry	P. Huber, G. Blobe	RNase N	Sigma Xi	350 12
Physics	J. Poirier	Research in Elementary Particles	Natl. Sci. Fdn.	110,000 12
Chemistry	S. Basu, M. Basu	Glycolipid Metabolism in Tumor and Transformed Cells	Natl. Inst. Health	140,336 12
Physics	J. Cushing	The Interpretation of Scientific Laws and Theories	Natl. Sci. Fdn.	18,000 18
Chemistry	G. Gellene	Ion-Beam Laser Spectroscopy	Amer. Soc. Mass Spectra.	25,000 24



<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
AWARDS FOR FACILITIES EQUIPMENT				
Elect. Comp. Eng.	W. Berry, R. Kwor	EREG: Surface Profiler	Natl. Sci. Fdn.	17,568 12
AWARDS FOR INSTRUCTIONAL PROGRAMS				
Cent. Study Cont. Soc.	F. Wright	GPOP Fellowships for Minority Graduate Students	Dept. Educ.	67,200 12
Management	V. Raymond	The Jesse H. Jones Professorship in Management	Houston Endow.	100,000 9
Law School	D. Kmiec	Fulbright 40th Anniversary Distinguished Fellow Program	Council Intl. Exchg.Scholars	4,500 1
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Center for Continuing Formation in Ministry	---	9,120 --
Inst. Past. Soc. Min.	E. Bernstein	ND Cent. Past. Liturgy	---	1,577 --
Inst. Past. Soc. Min.	E. Bernstein	ND Cent. Past. Liturgy - Publications	---	917 --
Inst. Past. Soc. Min.	S. Kelly	Programs for Church Leaders	---	3,000 --
Inst. Past. Soc. Min.	J. Gremillion	IPSM - Parish Study, Phase III	---	563 --
Inst. Past. Soc. Min.	J. Gremillion	IPSM - Healing Visions	---	3,021 --
AWARDS FOR OTHER PROGRAMS				
O'Neill Chair Educ. Justice	D. Goulet	Educational Exchange Between the U.S. and Argentina	Fulbright	4,200 .5

## proposals submitted

IN THE MONTH OF JUNE, 1986

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
PROPOSALS FOR RESEARCH				
Geron. Educ. Res. Serv.	J. Santos J. McIntosh	Similarities and Differences in Elderly and Youth Suicides	AARP Andrus Fdn.	75,532 12
History	K. Biddick	13th Century Pastoral Economics	Natl. Endow. Humanities	500 6
Psychology	M. McDaniel	Encoding Difficulty and Memory	Natl. Inst. Health	59,971 12
Philosophy	M. DePaul	Moral Dependence and Moral Epistemology	Natl. Endow. Humanities	33,872 9

Department or Office	Principal	Short title	Sponsor	Dollars Months
Aero. Mech. Eng.	M. Gad-el-Hak	A Study of Selective Suction on the Bursting Phenomenon	Flow Ind., Inc.	125,044 22
Mod. Class. Languages	M. Boulton	New Testament Medieval French Fiction	Natl. Endow. Humanities	35,380 12
Economics	M. Zalkin	The Nicaraguan Survey of Rural Workers	Council Intl. Exchg. Scholars	33,950 12
Mod. Class. Languages	M. Brownstein	Toson's Spring: A Translation and Critical Analysis of <u>Haru</u>	Natl. Endow. Humanities	32,132 12
Chemistry	M. Miller	Microbial Iron Chelators and Analog: Synthesis and Study	Natl. Inst. Health	140,849 12
Biological Sciences	R. Hellenenthal	Systematics of Lice and Their Coevolution With the Geomyidae	Natl. Sci. Fdn.	113,479 24
Chemistry	P. Helquist	Organometallic Annulation Procedures	Natl. Sci. Fdn.	429,421 36
So. Bend Cent. Med. Educ.	K. Olson	Hormone Metabolism by Fish Gills	Natl. Sci. Fdn.	280,422 12
Chemistry	M. Miller	New Approaches to B-Lactams and Other Natural Products	Natl. Inst. Health	109,841 12
Chemistry	R. Scheidt	X-ray and Chemical Studies of Metalloporphyrins	Natl. Inst. Health	233,771 12
Aero. Mech. Eng.	A. Strandhagen	Bifurcation and Loss of Stability	Dept. Transportation	39,014 12
Civil Eng.	I. Kinnmark	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	802,777 60
Civil Eng.	S. Silliman	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	802,777 60
Civil Eng.	B. Spencer	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	802,777 60
Aero. Mech. Eng.	R. Nelson, S. Batill	Vortex Dynamics	Natl. Aero. Space Admin.	55,045 12
Elect. Comp. Eng.	P. Antsaklis	Restructurable Controls Study	McDonnell Douglas Corp.	5,405 2
Civil Eng.	S. Silliman	Permeability of Dolomite	U.S. Geological Survey	7,200 3
Smith Museum Art	Porter, Spiro, Larkin	NEA: Cataloguing	Natl. Endow. Arts	112,130 24
Chemistry	G. Gellene	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	500,000 60
Chemistry	S. Basu	Glycolipid Metabolism in Normal and Pathological Tissues	Natl. Inst. Health	126,726 12
Aero. Mech. Eng.	R. Nelson, T. Ng	Vortex Control	Natl. Aero. Space Admin.	100,732 24
Chemical Eng.	M. McCreedy	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	500,000 60
Chemical Eng.	D. Leighton	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	500,000 60
Chemistry	T. Nowak	NMR Studies of Metals in Kinases and Related Enzymes	Natl. Inst. Health	190,006 12
Biological Sciences	M. Clancy	Genetics and Regulation of Meiosis in Yeast	Natl. Sci. Fdn.	320,425 36
Biological Sciences	M. Fraser	Transposon Mediated Mutagenesis of NP Viruses	Natl. Inst. Health	109,501 12
Elect. Comp. Eng.	C. Lent	Presidential Young Investigator Award, 1986-87	Natl. Sci. Fdn.	500,000 60

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Physics	Kenney, Biswas, LoSecco	Supplementary Equipment Proposal for FNAL Collider Exp. E-735	Natl. Sci. Fdn.	75,000 12
PROPOSALS FOR OTHER PROGRAMS				
English	T. Jemielity	Satire in the Hebrew Prophets	Natl. Endow. Humanities	43,732 9
Mod. Class. Languages	M. Brownstein	Toson's Spring: A Translation and Critical Analysis of Haru	Natl. Endow. Humanities	53,562 12
Mod. Class. Languages	J. Della Neva	Imitative Strategies	Natl. Endow. Humanities	35,148 12
Govt. Intl. Studies	D. Kommers	German and American Constitutional Law	Natl. Endow. Humanities	64,960 12
Philosophy	M. Detlefsen	Static vs. Dynamic Conceptions of Theory	Natl. Endow. Humanities	44,196 12
Philosophy	S. Watson	Kant, Modernism, and the Extensions of Reason	Natl. Endow. Humanities	33,060 12
Prog. Lib. Studies	M. Jordan	Moral Argument and Moral Persua- sion in the Summa theologiae	Natl. Endow. Humanities	40,020 12
Physics	Garg, Berners, Browne	20th Meeting of the Symposium of North-Easter Accelerator Personnel	Argonne Univ. Trust Fund	14,298 6

## summary of awards received and proposals submitted

IN THE MONTH OF JUNE, 1986

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	1,030,307	14	506,885	24	1,537,192
Facilities and Equipment	0	0	1	17,568	1	17,568
Instructional Programs	1	100,000	2	71,700	3	171,700
Service Programs	0	0	6	18,198	6	18,198
Other Programs	0	0	1	4,200	1	4,200
Total	11	1,130,307	24	618,551	35	1,748,858

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	9	1,854,670	22	5,358,009	31	7,212,679
Facilities and Equipment	0	0	1	75,000	1	75,000
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	0	0	8	328,976	8	328,976
Total	9	1,854,670	31	5,761,985	40	7,616,655

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## **notre dame report**

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