

notre dame report

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84-85

July 26, 1985

number 20

the university

faculty salaries earn aaup's top rating

The University has achieved a long-sought goal of having its salaries in all faculty ranks rated in the top 20 percent in the country.

The 1984-85 salaries for full, associate and assistant professors and for instructors were given "1" ratings in the annual survey of faculty wages by the American Association of University Professors (AAUP).

The average salary of a full professor at Notre Dame was \$48,000, ranked 31st in the nation. Other average salaries and rankings were as follows: associate professor, \$36,000 (11th); assistant professor, \$29,500 (16th), and instructor, \$26,000 (2nd). The average salary at all academic ranks (\$38,000) was also in the top 20th percentile and was ranked 27th in the AAUP survey.

Six years ago, Notre Dame salaries for full professor, assistant professor and instructor received AAUP ratings of "3" (top 60 percent) and associate professor "2" (top 40 percent). Since that time, yearly salary increases for Notre Dame faculty in all ranks have averaged 9 percent.

tuition, room and board increase

The University has increased undergraduate tuition, room, board and laundry an average nine percent to a total of \$10,390 for the 1985-86 school year.

In a letter to parents, Father Hesburgh said the new tuition would be \$7,845 (up 11 percent) and the average room, board and laundry charge \$2,545 (up 8 percent). Tuition in the Graduate School next year will be \$7,650 (up 11 percent), in the Law School, \$8,260 (up 13 percent) and in the regular M.B.A. program, \$7,750 (up 11 percent).

Father Hesburgh noted that a survey of 35 peer institutions showed "Notre Dame's tuition ranked 30th while room and board was the most inexpensive of all."

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cairo added to nd foreign study sites

Notre Dame has announced a foreign study program in Cairo, its second in the Middle East. The program, which will normally be yearlong, is in affiliation with the American University in Cairo and will be generally geared to sophomores and juniors. American University is an American-style college, but with a student body predominantly Middle Eastern.

Four students will inaugurate the program this coming fall, and the same number will comprise the initial group in the University's other Middle East program at Notre Dame's Ecumenical Institute in Jerusalem. The Jerusalem program is for a semester only and is also open to selected graduate students.

The two new programs bring to nine the number of locations abroad where Notre Dame students can study. The University also has students in Innsbruck, Austria; Angers, France; Mexico City, Mexico; Tokyo, Japan; the People's Republic of China; London, England, and Rome, Italy.

snite earns accreditation

The Snite Museum of Art has been reaccredited by the American Association of Museums (AAM), one of only 184 in the nation to receive the "five star rating" as it has been tabbed by officials. Nearly 5,000 museums in the nation seek the honor which is based on facilities, contents and professional standards.

The Snite is a general art museum permanently exhibiting collections from around the world. Once known for its collections of European religious art, the museum has strong holdings today in French 19th-century academic oil sketches and drawings, 19th-century European photography, the sculptures of Ivan Mestrovic and the traditional arts of pre-Columbian America.

bendix grant goes to smoke tunnel lab

A four-year, \$40,000 commitment from the Bendix South Bend-Mishawaka operations of the Allied Corp. will help fund the first phase of relocating Notre Dame's smoke tunnel laboratory to the heat and power lab at the northern edge of the campus. The total cost, including architectural renovations and proposed construction of a high velocity subsonic wind tunnel, is expected to approach \$1 million.

faculty notes

addendum to ndr #4 spring semester faculty, 1985

The following faculty members taught in the spring semester, 1985, and were not previously included in the faculty listing in Notre Dame Report #4.

JOAN BIEVER, Adjunct Assistant Professor of Psychology. B.S., Ball State University, 1976; M.A., Univ. of Notre Dame, 1979; Ph.D., *ibid.*, 1981.

JAMES E. BOLINGER, Adjunct Instructor in Accountancy. B.S., Indiana Univ. at South Bend, 1973; C.P.A., 1976 (Indiana Certificate); M.B.A., Univ. of Notre Dame, 1984.

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

MARCELO CAVAROZZI, Faculty Fellow in the Kellogg Institute. B.A., Univ. of Buenos Aires, 1964; Ph.D., Univ. of Calif. at Berkeley, 1975.

JOHN J. CERGNUL, Adjunct Instructor in Accountancy. B.B.A., Univ. of Notre Dame, 1976; J.D., Memphis State Univ., 1978.

MARGARET DeBOER, Adjunct Instructor in the Freshman Writing Program. B.A., College of Notre Dame at Maryland, 1974; M.A., Univ. of Notre Dame, 1977.

BRUCE C. EASTMAN, Adjunct Instructor in the Freshman Writing Program. B.A., Northeast Missouri State Univ., 1978; M.A., *ibid.*, 1980; M.F.A., Univ. of Arkansas, 1983.

SUZANNE STOREY GANNAWAY, Adjunct Assistant Professor in the Freshman Writing Program. B.A., Hendrix College, 1968; M.A., Vanderbilt Univ., 1980; Ph.D., *ibid.*, 1983.

JOHN L. GILLMAN, Adjunct Assistant Professor of Theology (Purdue Program). B.A., St. Meinrad College, 1971; B.A., Univ. of Louvain, 1972; S.T.B., *ibid.*, 1974; M.A., *ibid.*, 1974; Ph.D., *ibid.*, 1980.

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.

GEORGE CLAIR LANPHERE, Adjunct Instructor in the Computer Applications Program. B.S., Wyoming Univ., 1957; M.B.A., Northwestern Univ., 1977.

CATHERINE BRISSEY MAXWELL, Adjunct Assistant Professor of Psychology. B.A., Brown Univ., 1973; Ph.D., Univ. of North Carolina, 1978.

PATRICIO MELLER, Faculty Fellow in the Kellogg Institute. Ph.D., Univ. of Calif. at Berkeley, 1975.

KARL OELJEKLAUS, Visiting Assistant Professor of Mathematics. Ph.D., Ruhr-Universitat Bochum, 1984.

KATHLEEN O'GORMAN, Adjunct Assistant Professor in the Freshman Writing Program. B.A., Marywood College, 1973; M.A., *ibid.*, 1975; Ph.D., Univ. of Notre Dame, 1981.

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

ALASDAIR C. PALMER, Adjunct Instructor in the Arts and Letters London Program. B.A., Cambridge Univ., 1981.

JOHN J. POTTS, Adjunct Associate Professor of Law. B.A., Univ. of New Mexico, 1969; J.D., Boston College, 1974; M.S., Northeastern Univ., 1975.

JAMES R. POWELL, Adjunct Assistant Professor in the Freshman Writing Program. B.S., Rose-Hulman Institute, 1972; Ph.D., Univ. of Notre Dame, 1983.

MAHMOOD PRADHAN, Adjunct Instructor in the Arts and Letters London Program. B.Sc., London School of Economics, 1979; M.Sc., *ibid.*, 1980.

JOSEPH R. RAMOS, Faculty Fellow in the Kellogg Institute. B.A., Columbia College, 1959; M.S., *ibid.*, 1960; Ph.D., *ibid.*, 1968.

PAMELA SILVER RUBENSTEIN, Adjunct Instructor in English. B.A., Univ. of Michigan, 1974; M.S., Columbia Univ., 1976; M.A., Univ. of Illinois, 1978.

JOHN J. RYAN, Adjunct Instructor in Finance. B.S., Wilkes College, 1971; M.B.A., St. Joseph's Univ., 1984.

BEATRIZ ELBA SCHMUKLER, Assistant Faculty Fellow in the Kellogg Institute. B.A., Univ. of Buenos Aires, 1970; M.A., Torcuato di Tella Institute in Buenos Aires, 1975; M.A., Yale Univ., 1981.

A. JOSEPH SCHWAB, Adjunct Assistant Professor of Psychology. B.A., Stonehill College, 1964; M.A., Holy Cross College, 1967; M.A., Univ. of Notre Dame, 1970; Ph.D., *ibid.*, 1974.

SHENG GONG, Guest Professor of Mathematics.

MARINA B. SMYTH, Adjunct Assistant Professor in the Freshman Writing Program and in the Arts and Letters Core Course. B.Sc., Natl. Univ. of Ireland, Galway, 1963; M.M.S., Univ. of Notre Dame Medieval Inst., 1977; Ph.D., *ibid.*, 1984.

SUSAN C. STEIBE, Adjunct Assistant Professor of Psychology. B.A., Catholic Univ. of America, 1973; M.A., Univ. of Ottawa, 1977; Ph.D., *ibid.*, 1980.

WILLIELL R. THOMSON, Adjunct Assistant Professor in the 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.

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

THOMAS W. ZOSS, Adjunct Instructor in Management. B.S., Indiana Univ., 1968; J.D., *ibid.*, 1972.

appointments

Sister John Miriam Jones, S.C., assistant provost and concurrent assistant professor of biological sciences, has been appointed coordinator of disabled students by Provost Timothy O'Meara. In addition to her responsibilities in the provost's office, Sister John will also serve as the University's primary consultant and contact for disabled students' academic needs. Although some matters concerning building access and housing arrangements will continue to be handled through the Office of Student Affairs, Sister John will be responsible for working with the various on-campus offices such as admissions, financial aid and the academic departments. Her duties will also include assisting faculty members with special needs of the disabled in the classroom.

honors

Harvey A. Bender, professor of biological sciences, has been appointed to a six-year term as a member of the Committee on Long-Range Planning for Sigma Xi, The Scientific Research Society, effective July 1.

Moiri Marti Geoffrion, associate professor and assistant chairwoman of Art, Art History and Design, has been named co-chairperson of the executive committee for the National Sculpture Conference: Works by Women, to be held in May of 1987 in Cincinnati, Ohio.

William G. Gray, chairman and professor of civil engineering, has been appointed as an editor of the journal Advances in Water Resources.

Rev. Edward A. Malloy, C.S.C., associate provost and associate professor of theology, was elected by the Provincial Chapter of the Indiana Province of the Congregation of Holy Cross to a three-year term as a member of the Provincial Council.

Alven M. Neiman, assistant professional specialist and assistant dean in the College of Arts and Letters, has been appointed a Visiting Scholar by the Harvard Graduate School of Education for the 1985-86 academic year. He will be associated with the Graduate School's Center for the Study of the Philosophy of Education, headed by Dr. Israel Scheffler.

Donald E. Sporleder, professor of architecture, was elected treasurer of the National Council of Architectural Registration Boards at the annual meeting of the Council, held in San Antonio, Tex., June 25-30. He was also appointed to the Council's Executive Committee, The International Relations Committee, and continues to serve as chairman of the Education Evaluation Committee.

Anthony M. Trozzolo, Huisking professor of chemistry, has been appointed by the Academia Sinica to the International Advisory Committee for the Beijing International Conference on Photochemistry to be held Oct. 21-26.

activities

M. Agrawal, research associate in the Radiation Laboratory, presented a paper titled "Effects of Molecular Organization on the Photophysical Behavior of Chlorophyll Pigments in Lipid Monolayers" at the second International Conference on Langmuir-Blodgett Films, Schenectady, N.Y., July 1-4.

Raymond M. Brach, associate professor of aerospace and mechanical engineering, presented an invited lecture on "The Use of Personal Computers in Acoustics" at the annual conference of the American Society of Engineering Education, held in Atlanta, Ga., June 16-19.

Alan B. Cain, assistant professor of aerospace and mechanical engineering, presented a paper titled "Stability Characteristics of Separated Flows" at the Conference on Low Reynolds Number Airfoil Aerodynamics held at Notre Dame June 17-19.

Jean-Paul Chauvet, research associate in the Radiation Laboratory, presented a paper on "Photophysical Behavior of Chlorophyll Pigments in Lipid Monolayers. Effect of Molecular Organization" at the 13th annual meeting of the American Society for Photobiology, New Orleans, La., June 24-27.

Charles Craypo, chairman and professor of economics, was a workshop speaker at a conference on "Technology, Values and the Indiana Citizen," sponsored by the Indiana Committee for the Humanities and held in Nashville, Ind., April 22.

John D. Dow, Freimann professor of physics, gave a presentation titled "Localized Perturbations in Semiconductors" as an invited speaker at a Workshop on Electronic Structure Theory, Office of Naval Research, Arlington, Va., June 3. He also presented "Electronic Structure of Microstructures" at a U.S. Army Research Office Workshop on Fundamentals of Microelectronic Devices, held at Research Triangle Park, N.C., June 10-11, and spoke on "Metastable Semiconductors" at the Ninth Rochester Condensed Matter Symposium held at the University of Rochester, N.Y., June 2.

William G. Dwyer, professor of mathematics, gave an invited talk titled "Cyclic Modules" in an A.M.S. special session on Algebraic K-theory at the University of Illinois, Chicago, March 23.

Malcolm J. Fraser, assistant professor of biological sciences, presented a paper titled "Selection and Characterization of a Thermostable Strain of *Autographa californica* MNPV" at the annual meeting of the American Society for Virology at Albuquerque, N.M., July 20-26.

Paul R. Grimstad, assistant professor of biological sciences, presented a seminar on "Infection of White-tailed Deer by Jamestown Canyon Virus in Michigan" to the research staff of the Rose Lake Wildlife Research Station, members of the Department of Veterinary Medicine-Michigan State University, and officials of the Michigan

Department of Natural Resources Division of Fish and Wildlife, East Lansing, June 4. He also presented a seminar on "The Natural Cycle of Jamestown Canyon Virus and White-tailed Deer" at the Department of Veterinary Science, University of Wisconsin, Madison, June 20.

John L. Hardwick, assistant professional specialist in the Radiation Laboratory, presented two papers, "Configuration Interaction and Spin-Orbit Coupling in the Fox-Herzberg System of C_2 ," and "Ergodic Behavior and the Anomalous Continuum Fluorescence of Small Molecules" at the 40th Symposium on Molecular Spectroscopy, Columbus, Ohio, June 17-21.

Prashant V. Kamat, assistant professional specialist in the Radiation Laboratory, presented a paper on "Photoelectrochemical Sensitization with a Chlorophyll Analogue Incorporated in Poly (4-Vinyl Pyridine) Films" at the 13th annual meeting of the American Society for Photobiology, New Orleans, La., June 24-27.

Jeffrey C. Kantor, assistant professor of chemical engineering, was co-chair for two sessions titled "Model Uncertainty and Model Reduction in the Context of Feedback Control" (with Prof. M. Morari) at the 1985 American Control Conference, Boston, Mass., June 19-21. Dr. Kantor also presented a paper titled "The Analysis of Robust Stability and Performance in Multivariable Feedback Systems Using M-matrices" at that meeting.

David J. Kirkner, associate professor of civil engineering, gave an invited presentation titled "Multicomponent Mass Transport with Homogeneous and Heterogeneous Chemical Reactions: The Effect of the Chemistry on the Choice of Numerical Algorithm" at the spring meeting of the American Geophysical Union, Baltimore, Md., May 30.

David C. Leege, professor of government and international studies and director of the Center for the Study of Contemporary Society, delivered the following papers and addresses from the Notre Dame Study of Catholic Parish Life: May 15 to a symposium of leaders, Archdiocese of Chicago; May 29, to the Conference on the American Parish in Transition, sponsored by FADICA, in Chicago; June 11, to the Workshop on Effective Parish Management, held at Notre Dame, and June 25, to the Second Annual Conference on the Future of Parish Leadership, also at Notre Dame. In addition lengthy interviews and articles have been published in most major church and public newspapers, and on public, church, and commercial radio.

Anthony Leone, research assistant in the Radiation Laboratory, presented a paper titled "Photoinduced Reaction Kinetics in Cholesterol and Lipid Monolayers" at the Gordon Research Conference on Liquid Crystals, Wolfeboro, N.H., June 24-28.

A. Eugene Livingston, associate professor of physics, coauthored (with E.J. Galvez and A.J. Mazure) two papers titled "The 2s-2p Fine Structure Transitions in Helium-Like Titanium" and "Fine Structure of Hydrogenic Transitions in

High-Z Four-Electron Ions" which were presented at the annual meeting of the Division of Electron and Atomic Physics of the American Physical Society, Norman, Okla., May 29-31.

John W. Lucey, associate professor of aerospace and mechanical engineering, presented a paper titled "Public Policy Cases in Nuclear Engineering" at the annual conference of the American Society for Engineering Education in Atlanta, Ga., June 19.

Rev. Michael D. McCafferty, C.S.C., associate professor of law, delivered two invited lectures, "General Principles to Prevent Medical Malpractice Lawsuits" and "Dealing Professionally with the Medical Malpractice Lawsuit," to the physicians and medical staff of Memorial Hospital, June 12 and 14.

Robert P. McIntosh, professor of biological sciences, presented a paper titled "Historical Perspective on Problems of Scale" at a Symposium on Problems of Scale in Ecology at the annual meeting of the Ecological Society of America, Minneapolis, Minn., June 17-21.

Scott P. Mainwaring, faculty fellow in the Kellogg Institute, presented an address titled "Grass Roots Popular Movements and the Struggle for Democracy in Brazil, 1974-1985" at the University of Sao Paulo, Brazil, June 5, and at the University of the State of Sao Paulo, June 12.

Thomas J. Mueller, professor of aerospace and mechanical engineering, presented three lectures on "Flow Visualization by Direct Injection" at the short course on "Fluid Mechanics Measurements" held at the University of Minnesota, Minneapolis, June 19-20.

Robert C. Nelson, associate professor of aerospace and mechanical engineering, gave a presentation titled "Visualization of Vortex Breakdown on a Delta Wing" at the Subsonic Aerodynamic Testing Association meeting in Williamsburg, Va., May 14-16. On May 13, he visited NASA Langley Research Center, Hampton, Va., to present an invited lecture titled "The Role of Flow Visualization in the Study of High Angle of Attack Aerodynamics." Dr. Nelson also presented a three-day short course titled "Missile Aerodynamics" for the Goodyear Aerospace Corporation in Akron, Ohio, May 22-23 and June 21.

Walter J. Nicgorski, chairman and associate professor in the Program of Liberal Studies, gave a presentation on "Science and Freedom" as an invited participant in the Liberty Fund Colloquium, St. John's College, Annapolis, Md., March 13-16, and presented a paper on "The College Experience and Character Development" at the American Educational Research Association annual meeting, Chicago, Ill., April 4.

Leonard Orr, assistant professor of English, delivered a paper titled "Vico's Most Ancient Italian Wisdom and the Epistemology of Joyce's *Finnegans Wake*" at the Vico and Joyce Conference, sponsored by the Institute for Vico Studies and the Giorgio Cini Fondazione, Venice, Italy, June 17-21.

Larry K. Patterson, faculty fellow in the Radiation Laboratory, presented a paper titled "Effects of Molecular Organization on Photophysical Behavior. Steady State and Real Time Behavior Chlorophyll-b Fluorescence in Spread Monolayers of Di-oleoyl-phosphatidylcholine" at the Second International Conference on Langmuir Blodgett Films, Schenectady, N.Y., July 1-4.

Mark C. Pilkinton, chairman and associate professor of communication and theatre, presented a paper titled "Bearing the Pageant in Bristol" at the 20th International Congress on Medieval Studies, Western Michigan University, Kalamazoo, May 9.

Karamjit S. Rai, professor of biological sciences, gave the following seminars at British universities during the month of June: "Genetic, Chromosomal and Molecular Evolution in *Stegomyia* Mosquitoes," London School of Hygiene and Tropical Medicine, University of London, June 5; "Recent Developments in Genetics of Aedine Mosquitoes," department of genetics, University of Birmingham, June 6; "Speciation and Molecular Evolution in Mosquitoes of the *Aedes scutellaris* Group," department of zoology, University of Manchester, June 7; and "Genetics of Speciation and Molecular Evolution in the *Aedes scutellaris* Group," department of medical entomology, Liverpool School of Tropical Medicine, University of Liverpool, June 10.

Ian Roxborough, faculty fellow in the Kellogg Institute, gave a lecture on "The New Unionism in Mexico" at the University of Maryland, College Park, April 10, gave a presentation on "The Mexican Charrazo of 1948: Latin American Labor Between World War and Cold War" at the Latin American Studies Association convention, Albuquerque, N.M. April 20, and chaired a panel on "Latin America from the Second World War to the Cold War" at the convention.

Konrad Schaum, professor of modern and classical languages, presented an invited lecture on "Ironie und Ethik in Grillparzers *Weh dem, der lügt!*" at the Grillparzer Forum 1985, an international symposium held in Vienna June 10-12 and sponsored by the Institute of Theater at the University of Vienna and the Austrian Ministry of Education and Research.

Robert H. Schuler, professor of chemistry and director of the Radiation Laboratory, chaired a session on "Time Resolved Raman Spectroscopy" at the 40th Molecular Spectroscopy Symposium, Columbus, Ohio, June 17-21.

Phillip R. Sloan, associate professor in the Program of Liberal Studies, presented an invited paper, "From Logical Universals to Historical Individuals: Buffon's Conception of Organic Species," at the Colloque Internationale d'Histoire du concept d'Espece; Paris, France, May 26, and gave a plenary paper titled "Ernst Mayr on the History of Biology: The Function and Dysfunction of Dogma in the History of Science" at the Saint Mary's Conference in History, Philosophy and Sociology of Biology, June 27.

J. Eric Smithburn, professor of law, delivered a lecture on the Lizzie Borden murder case,

sponsored by the School of Continuing Studies at Indiana University, Bloomington, June 17.

Andrew J. Sommese, professor of mathematics, gave a colloquium titled "On Varieties as Hyperplane Sections," and a seminar lecture titled "On Equivariant Compactifications of $SL(2, \mathbb{C})$ " at the University of Nancy I in Nancy, France, where he was a guest professor March 3-17.

William Strieder, professor of chemical engineering, presented a paper titled "Approximate Solutions to Nonlinear Reaction - Diffusion from Maximum Principles" at the spring meeting of the Society of Industrial and Applied Mathematics, Pittsburgh, Pa., June 24-26.

Dolores W. Tantoco, librarian, participated in the discussion of the Library of Congress usage of subject headings compared to the Catholic Subject Headings and was a discussant on the consistent use of subject subdivision for theologians and philosophers at the 1985 conference of the American Theological Library Association at Drew University, Madison, N.J., June 24-25. She also presented the Classification of Canon Law and participated in the workshop on establishing Name Headings for the Library of Congress held at the Union Theological Seminary, New York City, June 26. On June 27, she discussed her questionnaire on the classification systems and computer networks utilized by the Theological Users Groups and the subject strengths of theology libraries. At Rutgers University's Alexander Library, she participated in the use of RLIN database and GEAC piece conversion of library materials, held on the Rutgers campus in New Brunswick, N.J., June 28. At the American Library Association Conference in Chicago on July 8, Ms. Tantoco was a discussant on the benefits, problems and the future products and services using compact disk technology of the Online Computer Library Center, Inc.

J. Kerry Thomas, Nieuwland professor of chemistry, presented an invited talk, "Free Radicals at Interfaces" at the meeting of the Radical Society at the Royal Institution, London, England, June 21. He was an invited speaker at the NATO meeting on "Reactions in Constrained Media" at Bezard, France, June 24-28, and lectured on "Photo Induced Charge Separation at Interfaces, Both Organic and Inorganic" as a guest of the Museum of Natural History of the University of Paris, July 1.

G. N. R. Tripathi, associate professional specialist in the Radiation Laboratory, organized a special international seminar on Time-resolved Raman Spectroscopy at the 40th Molecular Spectroscopy Symposium, Columbus, Ohio, June 17-21. He also presented a paper titled "Resonance Raman Studies of Radiation- and Photo-Chemical Transients" at that meeting.

Robert P. Vecchio, chairman and professor of management, served as Organizational Behavior Track Chairperson for the midwest regional meeting of the American Institute for Decision Sciences, Akron, Ohio, May 1-3.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "FTIR and Kinetic Studies of the Catalytic Gasification of Carbons by Alkali Salts" at the biennial conference of the American Carbon Society, University of Kentucky, Lexington, June 16-21.

administrators' notes

appointments

Sr. Mary Jane Griffin, O.S.F., has been named acting director of the Center for Social Concerns by Provost Timothy O'Meara. The appointment is for the coming academic year, during which Rev. Donald P. McNeill, C.S.C., director since the Center was established in 1982, will be on medical leave. A native of Chicago, Sr. Griffin received her B.A. from Saint Mary's College in 1972 and a master's in divinity and a master of science in administration from Notre Dame in 1979 and 1983, respectively. In addition to several teaching and pastoral assignments, she has been an assistant rector of Breen-Phillips and rector of Farley residence halls at Notre Dame.

James R. Wruck, director of the Computing Center, has been elected to a two-year term on the board of directors for the Association for Computer Machinery Special Interest Group on University and College Computing Services.

honors

Deb Garrard, manager of the North Dining Hall, submitted winning entries for University Food Services to the National Association of College and University Food Services Dining Concepts Awards Contest. University Food Services won second place in the specialty restaurant category for Decio Commons Tearoom, and third place in the catering special events category for Junior Parents Weekend.

activities

James R. Wruck, director of the Computing Center, was the assistant symposium chairman for the 12th annual Association for Computer Machinery Computer Center Management Symposium which was held in St. Louis, Mo., March 27. He and Carole J. Havens, assistant director for user services at the Computing Center, presented a paper titled "Microcomputers and the Computing Center" at the 1985 Statewide Academic Microcomputer Conference held in Indianapolis April 14.

advanced studies

notes for principal investigators

National Science Foundation Engineering Research Proposals

NSF's Directorate for Engineering is encouraging the submission of innovative and exceptional research proposals.

The Assistant Director for Engineering has established a Directorate-wide "Committee on Innovative and Exceptional Research" which will review proposals that could be characterized as high risk/high return, truly exceptional, or not fitting the existing Directorate for Engineering program structure. While all proposals will continue to be peer reviewed in the regular manner, on the recommendation of Program Directors, added scrutiny will be given to proposals in these categories after the reviews have been received. Proposals selected will be joint funded with the originating program, using a special Directorate fund.

Special consideration will be given to research proposals that contain one or more of the following characteristics:

High Risk/High Return Proposals. Proposals that show a clear indication that the successful completion of the proposed research will yield highly significant results, even though reviewer comments and/or internal review of the proposal indicates that there is a considerable uncertainty associated with the outcome of the proposal.

Highly Innovative, Truly Exceptional Proposals. Proposals which if successful, are likely to set a new research direction for the field.

Proposals which fall between normal programs or disciplines. Research support by the Directorate for Engineering is not limited to narrowly focused disciplinary research. To ensure this, added attention is being given to worthy proposals which fall between existing programs and divisions, and which do not fit the existing program structure of the Directorate for Engineering.

Investigators are encouraged to consider this initiative when writing and submitting proposals. Also, reviewers are being made aware that the Engineering Directorate is giving these categories special emphasis and are asked to identify any element of a proposal that falls within one of the above criteria.

information circulars

Additional information on all circulars listed may be obtained by calling Extension 7432. Please refer to the circular number.

science

National Aeronautics and Space Administration Pioneer Venus Data Analysis and Guest Investigator Program

No. FY85-480

Program:

This program is intended for scientists other than those already involved in the mission as Pioneer Venus Principal and Co-Investigators. NASA anticipates that data acquisition will continue at least through 1986, the time of maximum periapsis altitude, and perhaps until 1992, when low altitude measurements will again be possible prior to atmospheric entry. The goals of the Pioneer Venus mission include study of the atmosphere and ionosphere, and their interactions with the solar wind, as well as study of the surface and interior characteristics of the planet. Scientists interested in participating in the Pioneer Venus Data Analysis and Guest Investigator Program may submit an unsolicited proposal describing their planned investigation. An

investigator can participate in the program in one of three categories: Data Analysis (analysis of existing orbiter, probe, or bus data), Cooperative Research (acquisition and analysis of new orbiter data), and Correlative Studies (correlation of PV data with data obtained from another source). Proposals should be for clearly-defined investigations of limited scope with a duration not to exceed two years. Selected proposals can be funded initially for only one year or less; commitments by NASA for support beyond one year cannot be made. However, when it is expected that work will require more than one year to complete, a brief description of the entire effort should be included. Renewal proposals will be required for all funding beyond the initial award. It is anticipated that NASA support will not exceed \$40,000 per year for any one award. Funds are expected to be awarded by January 1986.

Deadline:
July 31, 1985

For Further Information Contact:

National Aeronautics and Space
Administration (NASA)
Henry C. Brinton
Program Scientists
Code EL
Washington, DC 20546
(202) 453-1597

(From 1985 ARIS)

**National Science Foundation
Sub-Saharan Africa Cooperative Sciences
Program**

No. FY85-483

Program:

Projects with approximately 42 countries of Sub-Saharan Africa are supported. Projects include cooperative research; short- and long-term visits; conferences, seminars, and workshops (preferably in SSA region); and

doctoral dissertation support (for students who are nationals of SSA countries and enrolled in doctoral programs at U.S. universities).

Deadline:
Target Date: September 1, 1985

For Further Information Contact:

National Science Foundation
Directorate for Scientific,
Technological, and International
Affairs
Division of International Programs
Robert Bell
Room 1208
1800 G Street, NW
Washington, DC 20550
(202) 357-9550

(From 1985 ARIS)

**National Science Foundation
U.S.-Taiwan Cooperative Science Program**

No. FY85-482

Program:

This program to increase the contacts and cooperation between scientists and engineers in the U.S. and Taiwan accepts applications in the areas of the natural and social sciences and technology. An applicant must hold a doctoral degree or its equivalent and be a U.S. citizen or a permanent member of the American scientific community. The kinds of projects include: Short-Term Visits (five days to four weeks); Long-Term Visits (six months to one year); Cooperative Research; and Seminars.

Deadline:
September 1, 1985 and March 1, 1986

For Further Information Contact:

National Science Foundation
Directorate for Scientific,
Technological, and International
Affairs
Division of International Programs
Dr. Gordon Hiebert
Room 1212
1800 G Street, NW
Washington, DC 20550
(202) 357-9537

(From 1985 ARIS)

**Department of the Navy
Young Investigator Program**

No. FY85-479

Program:

The Office of Naval Research has announced the Young Investigator Program in which U.S. academic researchers who received Ph.D.'s (or equivalent degrees) on or after January 1, 1980 and who hold tenure-track positions are invited to submit research proposals in support of naval research interests. Twelve awards of \$50,000 per year for three years (with the possibility of greater support through matching funds) are anticipated for FY 1985. Applications must include a research proposal and a supporting letter from an institution official which shows the institution's commitment to the applicant.

Deadline:

August 30, 1985

For Further Information Contact:

Department of the Navy
Office of Naval Research
Young Investigator Program
Code 400RI
Arlington, VA 22217-5000

(From 1985 ARIS)

engineering

**Department of Commerce
NBS/DOE Energy-Related Inventions Program**

No. FY85-478

Program:

The purpose of this jointly-sponsored program is to provide an opportunity for independent inventors and small businesses with promising nonnuclear energy-related inventions to obtain Federal assistance in developing and commercializing their inventions. Any new concepts, devices, products, materials, or industrial processes which would result in saving energy, more efficient use of energy, or increasing energy supplies from nonnuclear sources may be submitted. NBS evaluates the inventions and recommends those considered

sufficiently promising to DOE for support. DOE determines whether and how the recommended inventions should be supported and takes the necessary support action. Although individual grant or contract awards have exceeded \$100,000, the average award is for \$70,000. For further information and to receive an Evaluation Request Form (NBS-1019), contact George P. Lewett at the address below.

For Further Information Contact:

Department of Commerce
National Bureau of Standards
National Engineering Laboratory
Office of Energy-Related Inventions
George P. Lewett, Chief
Engineering Mechanics, Room 209
Washington, DC 20234
(301) 921-3694

(From 1985 ARIS)

**National Science Foundation
Cross-Disciplinary Engineering Research Centers**

No. FY85-481

Program:

University-based centers will be supported to develop fundamental knowledge in engineering fields that will enhance the international competitiveness of U.S. industry and prepare engineers to contribute through better engineering practice. Engineering education and research must be firmly linked in the Centers. The Centers should meet a need for providing cross-disciplinary research opportunities for faculty and students, for providing fundamental knowledge which can contribute to the solution of important national problems, and for preparing engineering graduates with the diversity and quality of education needed by U.S. industry. Focus of the center must be on a major technological concern of both industrial and national importance, e.g., biotechnology processing, automated manufacturing, transportation, construction, etc. Awards will be made for continuing grants for an initial duration of five years. Obtain NSF announcement 84-22 for additional information.

Deadline:

September 1, 1985

For Further Information Contact:

National Science Foundation
Directorate for Engineering
Office of Cross-Disciplinary Research
Lewis Mayfield
Room 1121
1800 G Street, NW
Washington, DC 20550
(202) 357-9707

(From 1985 ARIS)

general

McDonald's Corporation McDonald's Corporate Contributions Program

No. FY85-477

Program:

McDonald's Corporation directs its contributions toward innovative programs that are national and involve young people in the areas of the arts, education, health, safety, recreation and the handicapped. Grants range from \$1,000 to \$5,000. Proposals should be limited to four pages including budget. The corporation is most interested in funding projects and their materials costs as opposed to general operating funds, salaries, or capital equipment costs.

For Further Information Contact:

McDonald's Corporation
Rita Alborez-Pozniak, Supervisor
Contributions
McDonald's Plaza
Oak Brook, IL 60521
(312) 887-6594

(From 1985 ARIS)

Alfred P. Sloan Foundation Sloan Research Fellowships

No. FY85-484

Program:

Awards of \$25,000 are made to young Ph.D.'s (under 33 years of age, with exceptions) for two years' research work in the fields of mathematics, chemistry, physics, economics, neuroscience, or a related interdisciplinary faculty. Nominees must be members of the faculty of a U.S. or Canadian college or university; they usually must be below the level of associate professor; and they must be nominated by department chairpersons or other senior scholars. Direct applications are not accepted. The Foundation would like to make it clear that the particular subject of the prospective research project is not as important as its desire to identify young scientists showing outstanding promise of making contributions to new knowledge in their fields.

Deadline:

September 15, 1985

For Further Information Contact:

Alfred P. Sloan Foundation
Sloan Research Fellowships
Attn: Maureen Gassman
630 Fifth Avenue
New York, NY 10111-0242
(212) 582-0450

(From 1985 ARIS)

current publications and other scholarly works

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

COLLEGE OF ARTS AND LETTERS

American Studies

Schlereth, Thomas J.

T.J. Schlereth. 1984. Doing History on the Road: The Above-Ground Archaeology of the American Highway. Part 2. Chronicle: The Quarterly Magazine of the Historical Society of Michigan 20(4):14-21.

Communication and Theatre

Syburg, Frederic W.

F.W. Syburg. 1984. Director. Harold Pinter's, The Hothouse. Notre Dame - Saint Mary's Theatre. Little Theatre, Saint Mary's College, Notre Dame, Indiana.

English

Hasley, Louis L.

L.L. Hasley. 1985. Poems, November Park Bench; Car Stuck in Snow; False Spring; Shadow. The Great Lakes Review 2(1):58-60.

Government and International Studies

Leege, David C.

D.C. Leege and J. Gremillion. 1984. The U.S. Parish Twenty Years After Vatican II: An Introduction to the Study. Notre Dame Study of Catholic Parish Life. Report 1.

J.P. Dolan and D.C. Leege. 1985. A Profile of American Catholic Parishes and Parishioners: 1820's to the 1980's. Notre Dame Study of Catholic Parish Life. Report 2.

D.C. Leege and T.A. Trozzolo. 1985. Participation in Catholic Parish Life: Religious Rites and Parish Activities in the 1980's. Notre Dame Study of Catholic Parish Life. Report 3.

D.C. Leege and T.A. Trozzolo. 1985. Religious Values and Parish Participation: The Paradox of Individual Needs in a Communitarian Church. Notre Dame Study of Catholic Parish Life. Report 4.

Philosophy

- McMullin, Ernan
E. McMullin. 1985. Openness and Secrecy in Science: Some Notes on Early History. Science, Technology and Human Values 10: 14-23.

Program of Liberal Studies

- Nicgorski, Walter J.
W.J. Nicgorski. 1985. Reason, Politics and Christian Belief. The Claremont Review of Books. 1985:18-21.

Psychology

- Anderson, D. Chris
D.C. Anderson, C.R. Crowell and J.S. Brown. 1985. Startle Potentiation and Heart Rates as Affected by Fear and Hunger. Psychological Reports 56:95-106.
D.C. Anderson, C.R. Crowell, L. Siroky and J.S. Brown. 1984. Activity, Startle Magnitude and Prolonged Food and Water Deprivation: Two Failures to Duplicate. Bulletin of the Psychonomic Society (In press).
Crowell, Charles R.
D.C. Anderson, C.R. Crowell and J.S. Brown. 1985. Startle Potentiation and Heart Rates as Affected by Fear and Hunger. Psychological Reports 56:95-106.
D.C. Anderson, C.R. Crowell, L. Siroky and J.S. Brown. 1984. Activity, Startle Magnitude and Prolonged Food and Water Deprivation: Two Failures to Duplicate. Bulletin of the Psychonomic Society (In press).

Sociology

- Weigert, Andrew J.
A.J. Weigert and J.D. Lewis. 1985. Trust as a Social Reality. Social Forces 63(4): 967-985.

COLLEGE OF SCIENCE

Chemistry

- Creary, Xavier
X. Creary, B. Benage, M.E. Mehrsheikh-Mohammadi and J.P. Bays. 1985. The Effect of the Diethylphosphonate Group on Free Radical Stabilities. Tetrahedron Letters 26(20):2383-2386.
Kozak, John J.
*P.D. Siders and J.J. Kozak. 1985. Thermodynamic Self-consistency for Hard Spheres at Low Density. Journal of Chemical Physics 82:4257.

*Under the Radiation Laboratory

- Thomas, J. Kerry
B.H. Milosavljevic and J.K. Thomas. 1985. Photochemistry of Compounds Adsorbed into Cellulose. Journal of Chemical Society, Faraday Transactions 1 81:735-744.

Mathematics

- Stoll, Wilhelm F.
W.F. Stoll. 1985. Value Distribution Theory for Meromorphic Maps. Pages 347 in, Aspects of Mathematics Volume E7. Friedrich Vieweg & Sohn, Braunschweig/Wiesbaden.

Physics

- Dow, John D.
S.-F. Ren and J.D. Dow. 1985. A Mechanism of Luminescence Enhancement by Classical-well Structures or Superlattices. Journal of Luminescence 33:103-107.
O.F. Sankey, R.E. Allen and J.D. Dow. 1985. Theory of Schottky Barriers for III-V and Group-IV Semiconductors. Pages 189-192 in, D.J. Chadi and W.A. Harrison eds., Proceedings of the 17th International Conference on the Physics of Semiconductors. Springer-Verlag New York, Inc., New York.
Newman, Kathie E.
K.E. Newman. 1985. Consequences of the Zincblende-Diamond Order-Disorder Transition for $(\text{GaAs})_{1-x}\text{Ge}_x$ and Other Alloys. Pages 955-960 in, J.D. Chadi and W.A. Harrison, eds., Proceeding of the 17th International Conference on the Physics of Semiconductors. Springer Verlag, New York.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

- Huang, Nai-Chein
N.C. Huang. 1985. On the Size of the Cohesive Zone at the Crack Tip. Journal of Applied Mechanics 52:490-492.
Lucey, John W.
J.W. Lucey. 1985. Public Policy Cases in Nuclear Engineering. Pages 1262-1264 in, L.P. Grayson, Computer Aided Engineering. ASEE Annual Conference, Georgia Institute of Technology, Atlanta, Georgia.

COLLEGE OF BUSINESS ADMINISTRATION

Finance and Business Economics

- Reilly, Frank K.
F.K. Reilly. 1985. Investment Analysis and Portfolio Management, Second Edition. Dryden Press, Hinsdale, Illinois. 893 pp.

- F.K. Reilly. 1985. Handbook for Professional Managers. Pages 566-573 in, Chapters on: Stock Market Indicator Series.
- F.K. Reilly. 1985. Pages 145-185 in, Handbook of Financial Markets: Securities, Options, Futures.
- F.K. Reilly, J.J. Schultz, Jr. and S.G. Gustavson. 1985. Factors Influencing the New York Stock Exchange Specialists' Price Setting Behavior: An Experiment. Journal of Financial Research 8(2):137-144.
- F.K. Reilly and S.G. Gustavson. 1985. Investing in Options on Stocks Announcing Splits. The Financial Review 20(2):121-142.
- F.K. Reilly and D.T. Whitford. 1985. What Makes Stock Prices Move? Journal of Portfolio Management 2(2):23-30.
- F.K. Reilly and D.J. Wright. 1984. Block Trades and Aggregate Stock Price Volatility. Financial Analysts Journal 40(2):54-60.

Management

- Vecchio, Robert P.
R.P. Vecchio. 1985. Congruency Among Individual, Job, and System Attributes as a Predictor of Affective Response. Pages 240-243 in, Proceedings of the Midwest Regional Meeting of the American Institute for Decision Sciences.

Marketing Management

- Gaski, John F.
J.F. Gaski and J.R. Nevin. 1985. The Differential Effects of Exercised and Unexercised Power Sources in a Marketing Channel. Journal of Marketing Research 22(2):130-142.

LAW SCHOOL

- Ripple, Kenneth F.
K.F. Ripple. 1984. Reply Brief for Petitioners in Grand Rapids v. Ball, 83-990. Supreme Court of the United States, Washington, D.C.
- K.F. Ripple. 1985. Brief for the Petitioner in Ramirez v. Indiana, 84-5059. Supreme Court of the United States, Washington, D.C.
- K.F. Ripple. 1985. Reply Brief for the Petitioner in 84-5059, Ramirez v. Indiana. Supreme Court of the United States, Washington, D.C.
- K.F. Ripple. 1984. Motion to Dismiss or Affirm in 84-342, Fireside Chrysler-Plymouth, Mazda, Inc. v. Illinois. Supreme Court of the United States, Washington, D.C.

CENTER FOR THE STUDY OF CONTEMPORARY SOCIETY

Center for Gerontological Education, Research, and Services

- Hubbard, Richard W.
R.W. Hubbard and C. Mellinger. 1985. Closing the Doors: Issues and Strategies. Social Casework 66(6):372-375.

HELEN KELLOGG INSTITUTE FOR INTERNATIONAL STUDIES

- De Uran, Ana Maria B.
A.M.B. De Uran. 1985. Nacionalismo, Militarismo y Dominacion en America Latina. Universidad delos Andes (First Edition). Portuguese Edition, Sao Paulo, Brazil. 280 pp.
- A.M.B. De Uran. 1985. A Proposito de la Protesta Urbana. El Espectador, Colombia, Botoga.
- A.M.B. De Uran. 1985. Iglesia Pueblo y Poder, un Caso de Conflicto de Intereses (Colombia 1930-1955). Universidad Javeriana, Bogota, Colombia 327 pp.
- A.M.B. De Uran. 1985. L'Incidence de la Vie Politique dans l'Organisation des Mouvements del-Action Catholique au Bresil et en Colombie entre 1930-1955. Revue d'Histoire Ecclesiastique. Pages 207-214.

RADIATION LABORATORY

- Bhattacharyya, KinKini
K. Bhattacharyya and P.K. Das. 1985. Quantitative Aspects of All-Trans-Retinal Singlet and Triplet Quenching by Oxygen. Chemical Physics Letters 116:326.
- Das, Paritosh K.
K. Bhattacharyya and P.K. Das. 1985. Quantitative Aspects of All-Trans-Retinal Singlet and Triplet Quenching by Oxygen. Chemical Physics Letters 116:326.
- Siders, Paul D.
P.D. Siders and J.J. Kozak. 1985. Thermodynamic Self-consistency for Hard Spheres at Low Density. Journal of Chemical Physics 82:4257.
- Tripathi, G.N.R.
M.R. Fisher and G.N.R. Tripathi. 1985. Resonance Raman Scattering of Excited Triplet ($^3B_2^+$) Electronic State of Naphthalene in Fluid Media. Journal of Chemical Physics 82:4721.
- Zagorski, Zbigniew P.
Z.P. Zagorski. 1985. Electron Trapped in Aqueous Clathrates Solid at Room Temperature. Chemical Physics Letters 115:507-510.

awards received

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Anthropology	I. Press, T. Guzman	Sociocultural Results of Population Dispersal in Seville	Comm. Cultural Ed. Coop.	36,000 12
Psychology	D. Kline	Theory and Mechanisms in Visual Aging	Natl. Inst. Health	49,248 12
So. Bend Cent. Med. Educ.	K. Olson	Anatomy, Physiology and Metabolic Function of the Fish Gill	Natl. Sci. Fdn.	48,450 18
Chemistry	G. Gellene	Photofragmentation Spectroscopy of Hypervalent Radicals	Amer. Chem. Soc.	15,000 27
Biology	K. Rai	Genetic Differentiation in the <i>Aedes albopictus</i> Subgroup	Natl. Inst. Health	89,887 12
Electrical Eng.	M. Herro, D. Costello	Coding for Non-Uniform Channels	Natl. Sci. Fdn.	130,000 24
Mathematics	J. Knight	Model Theory	Natl. Sci. Fdn.	39,200 24
Chemistry	X. Creary	Electronegatively Substituted Carbocations	Natl. Sci. Fdn.	50,000 12
Chemical Eng.	C. Ivory	Continuous Flow Electrophoresis Device with Solute Recycle	Natl. Sci. Fdn.	70,841 12
Chemical Eng.	C. Ivory	The Beneficiation and Dewatering of Kaolin in an Electrostatic Field	Combustion Eng., Inc.	10,000 12
Microbiology	M. Clancy	Gene Expression in Sporulating Yeast	Natl. Sci. Fdn.	12,376 12
Chemistry	M. Miller	Synthesis of β -Lactams	Eli Lilly Co.	37,419 12
Physics	V. Kenney, N. Biswas	Experimental Elementary Particle Physics Using	Natl. Sci. Fdn.	175,000 12
Chemistry	F. Castellino, J. Radek	Plasminogen Streptokinase Interaction	Amer. Heart Assocn.-Ind.	6,500 12
Chemical Eng.	J. Kantor	Presidential Young Investigator Award	Natl. Sci. Fdn.	25,000 12
Electrical Eng.	Y.F. Huang	Statistical Moments for Non-Gaussian Signal Detection	Dept. Navy	124,922 12
Physics	K. Newman	Theory Phase Transitions in Mixed Semiconducting Alloys	Dept. Navy	98,062 24
Microbiology	C. Kulpa	TCDD Biodegradation	Occidental - Chem. Corp.	49,000 12
Civil Eng.	M. Katona	Presidential Young Investigator Award	Natl. Sci. Fdn.	25,000 12
AWARDS FOR FACILITIES AND EQUIPMENT				
Physics	Garg, Funk, Kolata, Mihelich	BGO Detector System	Dept. Energy	410,000 24
Civil Eng.	A. Jennings	Dynamic Permeameter	Natl. Sci. Fdn.	19,500 12
AWARDS FOR INSTRUCTIONAL PROGRAMS				
Biology	P. Weinstein	Experimental Parasitology and Vector Biology	Natl. Inst. Health	158,476 12

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education	---	31,091 --
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education-Reunion	---	590 --
Inst. Past. Soc. Min.	S. Kelly	Programs for Church Leaders	---	25 --
Inst. Past. Soc. Min.	E. Bernstein	Notre Dame Center for Pastoral Liturgy	---	5,812 --
Inst. Past. Soc. Min.	E. Bernstein	Notre Dame Center for Pastoral Liturgy-Publication	---	320 --

AWARDS FOR OTHER PROGRAMS				
Art, Art Hist.&Design	M. Geoffrion	New Connections-New Spaces- A Sculptural Celebration	Ind. Arts Comm.	1,000 12
Inst. Urban Studies	Outlaw, Kimmins, Broden	Jobs Training Program Pre-Employment Workshop	Jobs Training Program	14,204 4
Snite Museum of Art	D. Porter	Rickey Exhibition	Ind. Arts Comm.	7,500 4

proposals submitted

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH*				
Chemical Eng.	C. Ivory	Industrial-Scale Continuous Flow Electrophoresis	Dow Chem. Corp.	50,549 12
Aerospace Mech. Eng.	R. Nelson, S. Batill	High Angle of Attack Wing Aerodynamics	Dept. Air Force	227,739 36
Physics	W. Johnson	Relativistic Random-Phase Approximation	Natl. Sci. Fdtn.	95,252 12
Aerospace Mech. Eng.	H. Atassi	Interaction of 3-D Convected Vorticity Waves Cascade Airfoils	Dept. Air Force	94,555 12
Chemistry	M. Chetcuti	Mixed-Metal Dinuclear Carbonyl Complexes	Natl. Sci. Fdtn.	291,530 36
Civil Eng.	B. Spencer	Presidential Young Investigator Award, 1986	Natl. Sci. Fdtn.	815,744 60
Amer. Studies	T. Schlereth	Everyday Life in America, 1876-1915	Natl. Endow. Humanities	27,500 12
Kellogg Inst. Intl. Studies	L. Despres	Senior Fulbright Program	Council Intl. Exchg. Scholars	19,500 6

*Does not include a \$14,824,934 proposal to NSF for a Hazardous Wastes Engineering Research Center, a proposal for \$7,500,000 to the Department of Transportation for a Cold Weather Transit Technology Program and a \$3,200,000 proposal to NEH for Institute for Scholarship in the Liberal Arts.

Department or Office	Principal	Short title	Sponsor	Dollars Months
Psychology	Borkowski, Whitman, Schellenbach, Maxwell	Teenage Mothers and Their Children: Prevention	Natl. Inst. Health	136,307 12
Aerospace Mech. Eng.	K.T. Yang	NAVSEA Research Chair Professorship	Dept. Navy	100,000 12
Civil Eng.	N. Carpenter	Presidential Young Investigator Award, 1986	Natl. Sci. Fdn.	815,744 60
Aerospace Mech. Eng.	L.H.N. Lee	Wrinkling in Sheet Metal Forming	Natl. Sci. Fdn.	159,137 24
Chemistry	M. Miller	New Approaches to β -Lactams and Other Natural Products	Natl. Inst. Health	93,315 12
So.Bend Cent. Med. Educ.	D. Christ	Properties of Muscle in Adult <i>Dipetalonema viteae</i>	Natl. Inst. Health	78,668 12
Soc. Sci. Tr. Res. Lab.	S. Arndt, C. Johnson	Need and Evaluation of Statistical Software	Data Proc. Man. Assoc. Fdn.	27,166 13
Psychology	C. Crowell, A. Miller	Quality Assurance Program	Intl. Bus. Machines	15,470 6
Biology	P. Diffley	Regulation of Growth in <i>Trypanosoma brucei gambiense</i>	Natl. Sci. Fdn.	458,675 36
Biology	P. Diffley	Regulation of Growth in African Trypanosomes	Natl. Inst. Health	158,474 12
College Science	B. Wostmann, D. Snyder	Adult Initiated Feed Restriction in Aging Germfree Rats	Amer. Inst. Cancer Research	135,543 24
Chemistry	M. Basu, S. Basu	I/i-Glycolipid Biosynthesis in Mouse T- and B-Lymphomas	Natl. Inst. Health	128,213 12
Civil Eng.	I. Kinnmark, W. Gray	Kinnmark Presidential Young Investigator Award	Natl. Sci. Fdn.	815,744 60
Chemistry	T. Nowak	NMR Studies of Metals in Kinases and Related Enzymes	Natl. Inst. Health	193,960 12
Biology	F. Goetz	Regulation of Ovulation	Natl. Sci. Fdn.	208,523 24
Chemistry	P. Helquist	Synthetic Studies of Streptogramin Antibiotics	Natl. Inst. Health	193,430 12
Marketing Management	Murphy, Etzel, Dunn, Wahlers	Consumer Research on Feed Products	Beatrice Co.	50,568 12
Philosophy	S. Watson	Phenomenology and the Human Sciences	Natl. Endow. Humanities	80,297 8
Chemistry	R. Bretthauer	Lung Glycoprotein Synthesis	Natl. Inst. Health	130,920 12

PROPOSALS FOR FACILITIES AND EQUIPMENT

Chemical Eng.	J. Kantor	Expert Systems for Chemical Process Design	C. & H. Dreyfus Fdn., Inc.	31,800 12
Economics	W. Davisson	Computer Applications and College Teaching	Data Proc. Man. Assoc. Fdn.	27,144 12

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Mathematics	A. Goetz, M. Borelli	Computer and Mathematics, a Teacher Development Project	Natl. Sci. Fdn.	268,380 36
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PROPOSALS FOR OTHER PROGRAMS

College Arts Letters	N. Hatch	Academic Advising, Arts and Letters	Lilly Endow., Inc.	48,216 24
College Bus. Admin.	M. Radzicki	Systems Dynamics Curriculum Development	Amer. Asbly. Coll. Sch. Bus.	84,400 4

summary of awards received and proposals submitted

IN THE MONTH OF JUNE, 1985

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	661,302	9	430,603	19	1,091,905
Facilities and Equipment	1	410,000	1	19,500	2	429,500
Instructional Programs	1	158,476	0	0	1	158,476
Service Programs	0	0	5	37,838	5	37,838
Other Programs	1	7,500	2	15,204	3	22,704
Total	13	1,237,278	17	503,145	30	1,740,423

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	591,050	23	5,011,473	27	5,602,523*
Facilities and Equipment	0	0	2	58,944	2	58,944
Instructional Programs	0	0	1	268,380	1	268,380
Service Programs	0	0	0	0	0	0
Other Programs	0	0	2	132,616	2	132,616*
Total	4	591,050	28	5,471,413	32	6,062,463*

*Does not include a \$14,824,934 proposal to NSF for a Hazardous Wastes Engineering Research Center and a proposal for \$7,500,000 to the Department of Transportation for a Cold Weather Transit Technology Program and a \$3,200,000 proposal to NEH for an Institute for Scholarship in the Liberal Arts.

closing dates for selected sponsored programs

Proposals must be submitted to the Office of Research and Sponsored Programs seven calendar days prior to the deadline dates listed below.

Information Circular Number	Agency	Programs	Application Closing Dates
SCIENCE			
FY85-480	National Aeronautics and Space Administration	Pioneer Venus Data Analysis and Guest Investigator Program	July 31, 1985
FY85-483	National Science Foundation	Sub-Saharan Africa Cooperative Sciences Program	September 1, 1985
FY85-482	National Science Foundation	U.S.-Taiwan Cooperative Science Program	September 1, 1985
FY85-479	Department of the Navy	Young Investigator Program	August 30, 1985
ENGINEERING			
FY85-481	National Science Foundation	Cross-Disciplinary Engineering Research Centers	September 1, 1985
GENERAL			
FY85-484	Alfred P. Sloan Foundation	Sloan Research Fellowships	September 15, 1985

DR. WILLIAM B. BERRY
ASSISTANT DEAN
COLLEGE OF ENGINEERING
NOTRE DAME IN 46556

267

notre dame report

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