

'78-'79

notre dame report

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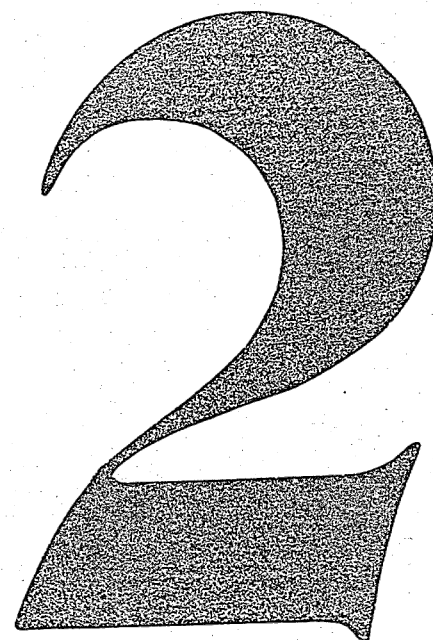
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the university



'Campaign for ND' Gifts

"The Campaign for Notre Dame," a \$130-million program announced in April of 1977, has obtained \$100,038,642 in gifts and pledges, according to a report issued by University Trustees John T. Ryan, Pittsburgh, and Mrs. Ernestine Carmichael Raclin of South Bend, national co-chairmen of the campaign, setting a fund-raising record for the institution. Notre Dame is only the 12th American college or university to raise more than \$100 million in one campaign, according to figures on fund-raising efforts now in progress on 107 campuses published recently in the Chronicle for Higher Education.

The primary goal of the "Campaign for Notre Dame" is to increase Notre Dame's endowment, which now stands at \$114 million, the largest among Catholic institutions of higher education and 24th largest in American higher education. By adding \$92 million to endowment, University officials hope to prevent the erosion of resources by inflation that endangers the quality of scholarship. Ryan and Raclin pointed out that campaign giving has been spread rather evenly over various priorities of the campaign, which include professorships, student assistance, and support for academic and religious programs. With 77 per cent of the entire goal realized, the endowment component has 62 per cent of its goal, the physical facilities component 74 per cent and unrestricted current use funds oversubscribed at 111 per cent. These figures represent an unusual balance for a major campaign, they said.

The University gave this breakdown of commitments and gifts to the campaign: Alumni and non-alumni individuals, including parents, 34,835 gifts totaling \$67,391,022; foundations, 267 gifts for \$16,020,066; corporations, 1,205 gifts for \$10,538,481, and deferred giving, 76 gifts for \$6,088,477.

New Computer to be Installed

Notre Dame is replacing its IBM 370/158 (4 megabyte) computer, which was acquired in 1974, with a new central computer that has about three times the processing speed and twice the memory capacity of its present system, according to R. Brian Walsh, Computing Center director. The new IBM 370/168 (8 megabyte) computer will increase the center's annual budget of \$1.6 million by about \$120,000 under a leasing arrangement with ITEL, a financial leasing corporation. Walsh said there will be at least a 300 per cent increase in performance and processing speed for less than a ten per cent increase in cost.

The greatest benefit of increased computing capabilities will be in scientific research, which accounts for 60 per cent of computer use, and instructional use of the computer.

ITEL began installing the new computer Aug. 14, and both machines will run simultaneously with little time lost to users. This is the fifth time the central computer has been upgraded since the Computing Center was dedicated in May, 1963.

Art Gallery Exhibit

Photographs by Edward Weston, a major exhibition organized by the Dayton Art Institute will be shown at the Snite Art Gallery, Sept. 1 through Nov. 12.

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faculty notes

Appointments

Ralph McInerny, professor of philosophy, has been named to the Michael P. Grace Chair as director of the Mediaeval Institute.

Honors

Willis E. Bartlett, associate professor of psychology, has been appointed to the Media Committee of the American Personnel and Guidance Association for a three-year term.

James F. Gaertner, assistant professor of accountancy, was elected chairman of the membership committee of the international section of the American Accounting Association.

Sheridan P. McCabe, associate professor of psychology and director of the Counseling Center, was named to the Executive Board of the American Psychological Association Division 36: Psychologists Interested in Religious Issues.

Bro. Leo V. Ryan, C.S.V., dean of the College of Business Administration, was elected on July 20 to the Board of Directors, First Bank-Midland Milwaukee and La Crosse divisions of the First Bank System.

C. William Tageson, associate professor of psychology, was awarded a visiting fellowship at the Center for Studies of the Person, La Jolla, Calif., for the spring and summer of 1978, where he engaged in research and writing of a book on humanistic psychology.

Elwood Lane Vanderslice, assistant professor of economics, has been elected a member of the editorial board of the Review of Radical Political Economics.

Activities

Mats Almgren, visiting assistant professor of chemistry, presented a paper entitled "Phosphorescence, Fluorescence, and Absorption Studies of Solubilization of Arenes in Micelles" at the American Chemical Society meeting held at Miami, Fla., Sept. 11-15.

Teoman Ariman, associate professor of aerospace and mechanical engineering, presented a paper entitled "On Thermal Hemolysis and Heat Transfer in Blood Rheology" at the Third International Congress of Biorheology, held in San Diego, Calif., Aug. 27-Sept. 2.

Willis E. Bartlett, associate professor of psychology, chaired the symposium "Status of Research on Religious Careers" held during the American Psychological Association's convention in Toronto on Aug. 30.

Salvatore J. Bella, Jones professor of management, served as Dean of the Institute of Management sponsored by the National Association of Retail Dealers of America at the Center for Continuing Education and made the following presentations: "Practical Problem-Solving Techniques for Managers" and "Motivating Employees," Aug. 14; "The Effective Management of Time" and "How to Become a More Effective Leader," Aug. 15; "Can Your Business Survive Changes in the Environment?," Aug. 16, and delivered the graduation address, "Selling as a Profession," Aug. 17. Professor Bella also conducted four workshops for the Institute for Organization Management sponsored by the Chamber of Commerce of the United States at the Center for Continuing Education, June 4-9, on "Introduction to Communication" and "Principles of Managerial Planning."

Wendy Carlton, assistant professor of sociology and anthropology, presented a paper at the American Sociological Association meetings in San Francisco on Sept. 7 entitled "Women Workers and Protective Discrimination: Focus on Reproductive Capacity."

Byung T. Cho, associate professor of management, delivered a paper entitled, "An Analysis of Seasonal Time Series by the Box-Jenkins Method for Adaptive Forecasting" at the 1978 Joint Statistical Meetings of the American Statistical Association, Biometric Society and Institute of Mathematical Statistics held in San Diego, Calif., Aug. 14-17.

William Eagan, associate professor of management, presented a paper, "Westinghouse Uranium Contracts and Commercial Impracticability"; was a member of a panel discussing "Ethics--A Course of Instruction," and was moderator of one session at the 49th Annual Meeting of the American Business Law Association held at the University of Maryland, College Park, Aug. 17-20.

Msgr. John J. Egan, special assistant to the president, was a participant at the meeting of National Convergence of Justice and Peace Centers in Memphis, Tenn., Sept. 13-14; was a panel speaker on "Organizing in the U.S.--A Critique" at the Pacific Institute Conference of Community Organizers in Santa Ana, Calif., Sept. 15-16; and was a participant in the National Conference of Catholic Charities Meeting in New Orleans, Sept. 17-18.

Yaacov Harel, scientist in the Radiation Laboratory, presented a seminar entitled "New Aspects of Porphyrin Chemistry" at Argonne National Laboratory, Argonne, Ill. on Sept. 13.

Winifred M. Huo, assistant professional specialist in the Radiation Laboratory, presented a paper entitled "Some Aspects of Electron-Molecular Collisions and Their Relationship to Molecular Orbital Theory" at the Conference on Developments from the Chicago School of Molecular Quantum Mechanics, University of Chicago, on Aug. 28.

C.P. Kartha, assistant professor of management, presented a paper titled "On Comparison of Asymmetrical Fractions" on Aug. 17 at the Joint Statistical Meetings of the American Statistical Association, Biometric Society, and Institute of Mathematical Statistics held in San Diego, Calif.

Kwan S. Kim, associate professor of economics, presented a paper co-authored with Y.C. Chang, associate professor of management, entitled "Multivariate Analysis to the Pooling of Cross-Sectional and Time-series Data--A Bayesian Approach," at the American Statistical Association Meeting in San Diego on Aug. 17.

John J. Kozak, professor of chemistry and scientist in the Radiation Laboratory, gave a seminar on "The Characterization of Irreversibility in Atomic Dynamics" at the Institut für Physikalische und Theoretische Chemie at the Universität Tübingen, West Germany, on Aug. 31. He also delivered a series of five lectures on "Dynamical Processes Associated with the Interaction of Radiation with Matter" at the Convention Intercantonale Randa pour L'Enseignement du 3e Cycle en Chimie at Ravoire, Switzerland, Sept. 3-8.

Lawrence H.N. Lee, professor of aerospace and mechanical engineering, gave a talk on "A Minimum Principle in Dynamics of Continua" at the Symposium of the International Union of Theoretical and Applied Mechanics on "Variational Methods in the Mechanics of Solids" at Northwestern University, Evanston, Ill., on Sept. 11.

Thomas G. Marullo, assistant professor of modern and classical languages, was a research associate of the Institute of Russian and East European studies at the University of Illinois, Urbana, June 15-Aug. 6.

Anton C. Masin, assistant librarian, lectured on "Gilgamesh--An Extinct System of Writing," on Sept. 14 for the Freshman Humanities Seminar at Notre Dame.

Sheridan P. McCabe, associate professor of psychology and director of the Counseling Center, was the program chairman for the 1978 meetings of the American Psychological Association Division 36: Psychologists Interested in Religious Issues. At the APA meetings in Toronto, Aug. 28-Sept. 5, he chaired two symposiums entitled "Religion and Personality Development: Theoretical Viewpoints and Implications" and "Moral and Religious Development in Adolescents."

Rev. Ernan McMullin, professor of philosophy, delivered an invited paper entitled "Cosmology and the Philosopher" at the opening Plenary Session of the 16th World Congress on "The Idea of the Universe" held in Dusseldorf, Aug. 28-Sept. 2. He also presented a paper at a meeting of the International Metaphysical Society held in conjunction with the World Congress on "Do Metaphysics and Science Intersect?"

Thomas V. Merluzzi, assistant professor of psychology, presented a paper entitled "Androgyny, Stereotypy and the Perception of Female Counselors" with Bernadette Merluzzi and Mark G. Sbarra at the 86th annual convention of the American Psychological Association in Toronto, Ontario, Aug. 28.

William Nichols, instructor in accountancy, was a discussant for three papers: "Cost Behavior: Multicollinearity and Ridge Regression;" "Experiences in Zero Based Budgeting Programs," and "Organizational Modes, Pricing Criteria and Intra-company Transfer Prices" at the annual meeting of the American Accounting Association in Denver, Aug. 20-23.

David N. Ricchiute, assistant professor of accountancy, was invited by Deloitte, Haskins and Sells to attend their Audit SCOPE seminar held in Vail, Colo., Aug. 13-19.

Norlin G. Rueschhoff, associate professor of accountancy, presented a report on "International Accounting Education" at the American Accounting Association International Section Meeting in Denver on Aug. 21.

Bro. Leo V. Ryan, C.S.V., dean of the College of Business Administration, addressed the 10th General Agents Managers Conference of Life Insurance Managing and Research Association, Aug. 21, on the "Ethics of Corporate Conduct."

C. Joseph Sequin, associate professor of management, organized and coordinated an executive development conference for the American Institute of Kitchen Dealers at the Center for Continuing Education, July 16-21 and presented a paper on "A Management By Objectives Approach to Small Business Management" at the American Institute of Kitchen Dealers Conference, July 17.

Herbert E. Sim, chairman and professor of finance, delivered a lecture on "Basic Economics and Mortgage Banking" at Stanford University, Palo Alto, Calif., on Aug. 7. On Aug. 17 he conducted a seminar sponsored by Georgetown University's Academy in the Public Service on "Local Government Accounting Fundamentals" in Merrillville, Ind.

Roland B. Smith, associate professional specialist in the Institute for Urban Studies and Director of the Upward Bound Program, was co-chairperson at the Indiana chapter of the Mid-America Associate of Educational Opportunity Program Personnel conference held in Indianapolis, Sept. 14-16.

James P. Sterba, assistant professor of philosophy, was an official discussion leader and participant at the Conference on Liberty and the Law held at the Center for the Study of Public Choice, Blacksburg, Va., July 24-Aug. 3.

Wilhelm Stoll, professor of mathematics, gave the invited talk "Strictly Parabolic Manifolds" at the Mathematics Research Institute, Oberwolfach, West Germany, Aug. 27-Sept. 1. He also gave colloquium talks on the same topic at the University of Konstanz, Aug. 17; and the University of Tübingen, Aug. 23 in West Germany.

C. William Tateson, associate professor of psychology, presented a paper entitled "Proposed Model for Research on Religious Careers" for a symposium on the Status of Research on Religious Careers at the 86th annual convention of the American Psychological Association held in Toronto, Canada, Aug. 27-31. He also served as discussant for a symposium on Religion in Personality Development: Theoretical Viewpoints and Implications.

J.K. Thomas, professor of chemistry and senior scientist in the Radiation Laboratory, presented a paper entitled "Effect of the Condensed Phase, Homogeneous Solution and Micellar Systems on Photoionization" at the American Chemical Society meeting held at Miami, Fla., Sept. 11-15.

Elwood Lane Vanderslice, assistant professor of economics, was a discussant on a panel entitled "Foundations of Public Policies Concerning the Habitat and Quality of Life" at the Association for Social Economics program in Chicago, Aug. 21.

John A. Weber, associate professor of marketing, presented a paper entitled "The Worldwide Evolution of Consumer Spending Patterns" at the annual Academy of International Business meeting in Chicago, Aug. 28-30.

office of advanced studies

Notes for Principal Investigators

University Committee on the Protection of Human Subjects Number of Copies of Project Description to be Submitted

The membership of the University Committee on the Protection of Human Subjects has been enlarged. Rather than ten copies of project descriptions, the Committee now requests the submission of fourteen copies for its distribution.

Information Circulars

Additional information on all circulars listed below may be obtained by calling the following extensions:

Extension 7432, for information on federal government programs.

Extension 7433, for information on private foundations, corporations and state agencies.

National Science Foundation Computer Science and Computer Engineering Research Equipment

No. FY79-30

During FY 1977 and 1978, the Division of Mathematical and Computer Sciences of the National Science Foundation made a limited number of grants for the purchase of equipment for research in computer science and computer engineering. The Foundation is interested in receiving similar proposals in FY 1979.

The purpose of this program is the purchase of special purpose equipment to support research in computer science or computer engineering. The equipment should be necessary for the pursuit of specific research projects, rather than intended to provide general computing capacity. The equipment should be required by more than one research project and difficult to justify for one project alone; total cost at least \$10,000.

The deadline for postmark of proposals is December 1, 1978.

The George A. and Eliza Gardner Howard Foundation Fellowship Program — 1979-80

No. FY79-31

Areas of Interest:

Based on a three-year rotational system, areas of interest for 1979-80 are: History, Philosophy, Sociology, Psychology, Anthropology, Archaeology, Political Science, Religion, Science-related projects.

Eligibility:

Candidates should normally be between the ages of thirty and forty. In addition, the following restrictions apply:

- * No grants are made to or through organizations, but only to individuals.
- * Fellowships are not available for work leading to an academic degree, for course-work or training at any academic institution, or for private study.
- * No fellowships are available for technical research in the natural sciences.
- * In general, the work should be of sufficiently broad nature to be comprehensible to persons outside the immediate field of specialization.
- * Support is given for projects requiring essentially full-time work over an extended period of time. Additional sources of income are permitted. Faculty members must be eligible for sabbatical or other leave.

Nomination and Application:

The Foundation does not accept direct applications. Application forms are forwarded only upon receipt of a nomination. A nomination should be submitted by the president, or his designated representative. Each institution is permitted to nominate two individuals.

Nominations are accepted after September 1 of the year preceding that for which the fellowships is to be awarded.

Stipend:

Ranges from \$3,000 to \$7,000 for a period of one year.

Timetable:

November 1 - Closing date for nominations.
December 10 - Deadline for completed applications with all supporting materials.
April 20 - Announcement of awards.
July 1 - Beginning of fellowship tenure.

For Further Information Contact:

Mr. Ernest S. Frerichs, Secretary
The George A. and Eliza Gardner
Howard Foundation
Box 1867 Brown University
Providence, Rhode Island 02912
Telephone: (401) 863-2640.

Technicon Instruments Corporation Program of Grants for Research in Biomedical and Industrial Instrumentation 1978-1979

No. FY79-32

Purpose:

To identify and support significant academic research on novel concepts or technologies in biomedical and industrial instrumentation, which can establish the basis for the development of products with significant commercial value. Preference will be given to:

- * Innovative approaches.
- * Concepts with important advantages over existing methods.
- * Proposed products which have a breadth of application and market potential commensurate with the costs and risks of the research program.

Awards:

Meritorious proposals will be considered for grants covering direct and indirect costs, to a maximum of \$100,000 for each grant, for a one-year period. In most cases grantees will be eligible for renewal of their grants for a second year. In exceptional circumstances, support for a third year may be considered.

Scope:

Both basic and applied research proposals will be considered. A proposal may involve a new concept or support for development of a process or device. Each submission will be judged for its scientific merit and novelty, as well as for its potential for practical utilization beyond the research laboratory.

The following examples are merely illustrative, and do not represent the limits of suitable proposals:

In the biomedical and diagnostic area:

- * New and improved diagnostic procedures that are of broad utility and adaptable to automation for the determination of the chemical constituents of body fluids (e.g., blood and urine), for measurement of enzyme activities, for the differentiation of cells and viruses, and for other common and important medical laboratory tests.
- * New methods of imaging or diagnosing internal organs via non-invasive techniques.
- * The measurement of flow in individual blood vessels, or cardiac function, or other physical parameters of significant diagnostic importance.
- * Development of new analytical detectors and new approaches to analytical techniques of ultra-high sensitivity, e.g., immunochemistry.
- * Instrumentation for the detection and diagnosis of dental pathology.
- * Instrumentation for veterinary medicine. In the industrial area:
- * Automated instrumentation and methods for the analysis and characterization of a wide variety of materials, including agricultural products, drug preparations, minerals, and other industrial products.
- * Instrumentation for industrial process control and for pollution analysis and control.
- * Novel procedures for the analysis and inspection of food products, including the detection of contaminants and decomposition.

Proposal Submission:

A preliminary proposal should be submitted on forms provided by Technicon, available from the Office of Advanced Studies, Division of Research and Sponsored Programs. Instructions will be provided for a full research proposal if funding is deemed possible.

Deadline:

Preliminary submissions are welcome at any time. The final proposal has a firm deadline of December 15, 1978.

Inquiries concerning this program should be addressed to:

Dr. Morris H. Shamos
Technicon Instruments Corporation
511 Benedict Avenue
Tarrytown, New York 10591
Telephone: (914) 631-8000, Ext. 2195

The Indo-U.S. Subcommittee on Education and Culture The Indo-American Fellowship Program Advanced Research in India 1979-80

No. FY79-33

Objective:

To draw into educational exchange individuals who are not Indian specialists but whose disciplinary or professional skills can be enhanced by the opportunity to carry out research in India. The Program seeks to open new channels of communication between academic and professional groups and encourage a wider range of research activity than has previously existed.

While awards are offered without restriction as to the field, the Subcommittee especially welcomes applications:

- * In the natural and physical sciences.
- * From museum professionals, especially in textiles, natural history and conservation.
- * In professional areas, e.g. law, medicine, architecture, and the creative arts.

Duration:

Long-term, six to ten months.
Short-term, two to three months.

Stipend:

\$1,200 - \$1,500 per month, depending on academic/professional achievement and seniority.
\$350 per month payable in dollars and balance in rupees.
\$500 allowance for research/books.
2,000 rupees for study/travel.
Plus travel allowance and dependent allowance for long-term grantees.

Deadline:

November 1, 1978.

For application forms write to:

Council for International Exchange of Scholars
Eleven Dupont Circle
Washington, D.C. 20036
Telephone: (202) 833-4980

**Inter-American Foundation
The Latin American and Caribbean
Learning Fellowship on
Social Change**

No. FY79-34

Objective:

To provide opportunities for scholars to learn about processes related to social change in Latin America and the Caribbean. The Fellowship is designed to enable the fellow to study the change process through affiliation with a host country institution.

Eligibility:

Doctoral and postdoctoral fellowships are open to scholars in the social sciences and professions with knowledge of Latin America or the Caribbean. Applicants must have a multidisciplinary background and should be concerned with the processes of social change from a problem-oriented perspective. Problem areas might include such topics as cooperatives, worker self-managed enterprises, non-formal education, rural credit.

Doctoral candidates must be enrolled in higher education institutions in the United States and have fulfilled all degree requirements other than the dissertation at the time of the award.

Stipend:

Stipends vary from country to country but average about \$550 per month. Allowances for the fellow and dependents include maintenance, transportation, and health and accident insurance. Limited research related expenses are also available.

Institutional Affiliation:

The Fellow must be affiliated with a Caribbean or Latin American institution.

Duration:

Minimum of six months up to a maximum of twenty-four months.

Deadline:

December 5, 1978.

Application may be obtained by writing to:

Learning Fellowship on Social Change
Inter-American Foundation
1515 Wilson Boulevard
Rosslyn, Virginia 22209

**Henry Luce Foundation
The Luce Scholars Program**

No. FY79-35

Background:

The Luce Scholars Program - the Henry Luce Foundation's major effort to develop a new level of understanding of Asia among future leaders of American society - is aimed at a very select group of young Americans from a wide range of professional backgrounds. It is unique among Asian-American exchange programs in placing emphasis on leaders who have had no prior experience in

Asian affairs and who might not otherwise have an opportunity during the course of their careers to come to know Asia or their Asian colleagues and contemporaries.

At the heart of the enterprise are internships and job placements that are arranged for each participating Scholar on the basis of his or her professional interests and background. The kinds of placements are almost without limit. A young biologist might be assigned to an institute for research in tropical medicine in Indonesia. An artist might work in the studio of a noted Japanese painter. An economist could be placed with the Asian Development Bank in the Philippines.

Stipend:

The basic stipend for each Luce Scholar has been established at \$9,000, payable in twelve monthly installments. Although Luce Scholars may occupy professional positions in Asian institutions or agencies as a part of their assignment, they receive no additional compensation for those activities. Stipends are augmented by \$2,000 when the Scholar is accompanied by a husband or wife. Moreover, in instances where the location or nature of an internship entails a cost of living substantially higher than that found in the United States, a differential payment may also be provided according to a formula that will assure, to the extent possible, parity among the Scholars. Economy class air transportation is provided for all travel required by the program.

Eligibility:

American citizens no more than 29 years of age on September 1, 1979 chosen from among Notre Dame's

- * Junior faculty
- * Recent graduates
- * Graduate students
- * Law students
- * Very exceptional seniors

Qualifications:

- * High academic achievement.
- * Strong and clearly defined career interest in a specific field, but not Asian affairs or international relations.
- * Outstanding capacity for leadership.
- * No Asian language ability expected; not qualified if have had previous extensive Asian experience.

For additional information and application materials, contact Dr. Donald P. Costello, Chairman, Notre Dame's Luce Scholars Selection Committee, c/o Department of English, University of Notre Dame, Notre Dame, Indiana 46556.

Completed applications must reach Dr. Costello by noon on Monday, November 27, 1978.

National Science Foundation Graduate Fellowships

No. FY79-36

As one means of promoting the progress of science in the United States, the National Science Foundation plans to award approximately 420 new three-year Graduate Fellow-

ships to individuals who have demonstrated ability and special aptitude for advanced training in the sciences. In addition, approximately 1,000 Fellows will be supported on continuations of Graduate Fellowships previously awarded.

National Science Foundation Graduate Fellowships are awarded for study of work leading to master's or doctoral degrees in the mathematical, physical, medical, biological, engineering, and social sciences, and in the history and philosophy of science. Awards are not made in clinical, education or business fields, in history or social work, for work leading to medical, dental, law or public health degrees, or for study in joint science-professional degree programs. Members of racial or ethnic minorities are encouraged to apply.

NSF Graduate Fellowships will be awarded subject to the availability of funds. New fellowships to be awarded in Spring 1979 will be for periods of three years, the second and third years to be approved by the Foundation on certification by the fellowship institution of the student's satisfactory progress toward an advanced degree in science.

Recipients of new three-year awards must begin fellowship tenure not later than the beginning of the 1979 Fall term, but may use the remaining two years of support within the four-year period following the first year. This will enable them to engage in other institutionally approved activities that contribute to their training.

The deadline for filing applications is November 30, 1978.

National Science Foundation National Needs Postdoctoral Fellowships

No. FY79-37

As a means of strengthening the science base of the Nation, the National Science Foundation plans to award in mid-February 1979, subject to the availability of funds, approximately 130 fellowships for postdoctoral research and study on scientific problems related to national needs.

Awards of these National Science Foundation Postdoctoral Fellowships will be made for appropriate research and study in the mathematical, physical, medical, biological, engineering and social sciences, as well as in interdisciplinary areas.

The deadline for filing applications is November 3, 1978.

National Science Foundation NATO Postdoctoral Fellowships in Science 1978-79 Program

No. FY79-38

In order to promote the progress of science and to assist in obtaining a closer collaboration among the scientists of various nations, the North Atlantic Treaty Organization is continuing its program of NATO fellowships.

Each NATO country administers the NATO fellowship program for its own citizens. At the request of the Department

of State, the National Science Foundation, an agency of the United States Government, administers this program for citizens and nationals of the United States, and selects Fellows. Approximately 40 awards, known as NATO Postdoctoral Fellowships in Science, will be offered in mid-February 1979 for further study in the sciences at institutions outside the United States.

These fellowships--normally awarded for tenures of either 9 or 12 months--are intended for persons planning to enter upon or continue postdoctoral study in the sciences. Fields covered are the mathematical, physical, medical, biological, engineering, and social sciences, and the history and/or philosophy of science. Also included are interdisciplinary fields comprised of overlapping areas between two or more sciences (such as oceanography, operations research, meteorology, and biophysics). Fellowships are now awarded for support of work toward the M.D., D.V.M., D.D.S. or J.D. degrees; nor for support of residency training or other clinical work; or for work in education or business fields, or in social work, diplomacy, history, law or public health.

The deadline for submitting applications is November 3, 1978.

Current Publications And Other Scholarly Works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

American Studies

- Kolbenschlag, Madonna C.
M.C. Kolbenschlag. 1978. Madness and sexual mythology in Scott Fitzgerald. International Journal of Women's Studies 1(3):263-271.
M.C. Kolbenschlag. 1978. The female grotesque: Gargoyles in the cathedrals of cinema. Journal of Popular Film 6(4):328-341.

English

- Gutierrez, Donald K.
D.K. Gutierrez. 1978. Lapsing out: Ideas of mortality and immortality in Lawrence. Twentieth Century Literature 24(2):169-187.

Psychology

- Johnson, Moses R.
M.R. Johnson, T.L. Whitman and R. Barloon-Noble. 1978. A home-based program for a preschool behaviorally disturbed child with parents as therapists. Journal of Behavior Therapy and Experimental Psychiatry 9:65-70.
Whitman, Thomas L.
M.R. Johnson, T.L. Whitman and R. Barloon-Noble. 1978. A home-based program for a preschool behaviorally disturbed child with parents as therapists. Journal of Behavior Therapy and Experimental Psychiatry 9:65-70.

SCIENCE

Biology

- Beach, Raymond
R. Beach. 1978. The required day number and timely induction of diapause in geographic strains of the mosquito Aedes atropalpus. Journal of Insect Physiology 24:449-455.
Tweedell, Kenyon S.
R.J. Przybelski and K.S. Tweedell. 1978. Karyotype analysis of a frog pronephric tumor cell line. Experimental Cell Biology 46:289-297.

Chemistry

- Creary, Xavier
C.J. Kowalski, X. Creary, A.J. Rollin and M.C. Burke. 1978. Reductions of α -substituted ketones by lithium diisopropylamide. Journal of Organic Chemistry 43(13):2601-2608.
Hamill, William H.
*D. Razem and W.H. Hamill. 1978. Activated and activationless localization and impurity trapping of the dry electron in methanol and propanol. Rate constants for solvated electrons. Journal of Physical Chemistry 82(13):1460-1465.
Hong, Hwei-Kwan
*C.W. Jacobsen, H.K. Hong and S.J. Sheng. 1978. Laser induced resonance Raman and fluorescence studies of the α -hydronaphthyl radical in the irradiated naphthalene crystal. Journal of Physical Chemistry 82(13):1537-1540.
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Labinger, Jay A.
J.A. Labinger and K.H. Komadina. 1978. Hydridic character of early transition metal hydride complexes. Journal of Organometallic Chemistry 155: C25-C28.
Pasto, Daniel J.
D.J. Pasto, M. Haley and D.M. Chipman. 1978. Theoretical studies on the singlet and triplet cyclopropylidene-allene system. Journal of the American Chemical Society 100:5272.
Schuler, Robert H.
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Monthly Summary

Awards Received

IN THE MONTH OF AUGUST, 1978

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Art Gallery	Porter, Matthias, Vukovic	Ivan Mestrovic: The archives	Ind. Arts Comm.	3,000 9
Center Study Man	Johnson, Aldous	Parents of juvenile diabetics and medical compliance	Natl. Inst. Health	18,528 12
Marketing	Stock	Transportation costs as a considera- tion in AF contracts	U.S. Air Force	8,598 7
Chemical Eng.	Kohn, Luks	Experimental CO ₂ - hydrocarbon phase studies	Amoco Prod. Co.	26,139 12
Chemistry	Nowak	NMR studies of metals in kinases and related enzymes	Natl. Inst. Health	65,629 12
Chemistry	Hayes	Core absorption spectroscopy of metalloporphyrins	Natl. Inst. Health	38,767 12
Aerospace Mech. Eng.	Jolles	Experimental/analytical technique for stress intensity factor determination	Natl. Sci. Fdn.	72,142 24
AWARDS FOR EDUCATIONAL PROGRAMS				
English	Rathburn	Shakespeare and the public	Ind. Comm. Humanities	400 4
Aerospace Mech. Eng.	Yang	Traineeships for graduate students	Dept. Energy	7,400 12
Management	Bella	Jesse H. Jones professorship in management	Houston Endow.	50,000 9
Center Study Man	Samora	Institutional grant and fellowship program	U.S. Off. Education	85,300 12

Proposals Submitted

IN THE MONTH OF AUGUST, 1978

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Chemistry	Fehlner	Comparison of ligand-metal clusters/ ligand-metal surface complexes	Natl. Sci. Fdn.	132,486 36
Chemistry	Fehlner	Comparison of ligand-metal clusters/ ligand-metal surface complexes	Amer. Chem. Soc.	45,000 36
Modern Class. Lang.	Proft	French influence upon Karl Krolow's Lyric, written after 1962	Private Fdn.	24,691 12
Eng., Law	Daschbach, Dobranski	Quantitative research on grievance arbitration procedures	Private Fdn.	101,154 15
Met. Eng. Mat. Sci.	Fiore	Ultrasonic testing of austenitic stainless steel weldments	Welding Res. Coun.	2,500 12
Philosophy	Caponigri	Benedetto Croce and Bernard Berenson in their correspondence	Natl. Endow. Humanities	22,958 9
Met. Eng. Mat. Sci.	Kargol	Zinc phosphate conversion coating quality	Amer. Iron Steel Inst.	20,099 12
Economics	Craypo	Case study of crisis bargaining in a foreign-owned subsidiary	Dept. Labor	17,583 6
Aerospace Mech. Eng.	Yang, Lloyd, Szewczyk	Fire and smoke spread	Nat. Bur. Stds.	84,700 12
Microbiology - Lobund Lab.	Burleson, Pollard	Inactivation of mutagens, carcinogens, viruses and bacteria	TII Corp.	20,000 12
Chemistry	Kowalski	Total synthesis of anticancer germacranolide sesquiterpenes	Pharm. Manuf. Assoc. Fdn.	12,000 24
Economics	Rakowski, Ghoshal	Impact of changes in the costs of imports on domestic consumer prices	Dept. Labor	47,306 12
Chemistry	Miller	Synthesis of B-Lactam antibiotics and B-Lactamase inhibitors	Pharm. Manuf. Assoc. Fdn.	12,000 24
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Physics	Browne	Addition to the computer system of the Nuclear Structure Laboratory	Natl. Sci. Fdn.	73,200 --
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Aerospace Mech. Eng.	Lucey	Energy education workshop	Dept. Energy	20,937 12

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF AUGUST, 1978

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	\$ 84,157	5	\$ 148,646	7	\$ 232,803
Facilities and Equipment	-	- - -	-	- - -	-	- - -
Educational Programs	2	112,800	2	30,300	4	143,100
Service Programs	-	- - -	-	- - -	-	- - -
Total	4	\$ 196,957	7	\$ 178,946	11	\$ 375,903

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$ 107,200	10	\$ 435,277	13	\$ 542,477
Facilities and Equipment	-	- - -	1	73,200	1	73,200
Educational Programs	-	- - -	1	20,937	1	20,937
Service Programs	-	- - -	-	- - -	-	- - -
Total	3	\$ 107,200	12	\$ 529,414	15	\$ 636,614

documentation

Homily of the Opening Mass, Academic Year 1978-79

(Following is the homily delivered by Rev. David B. Burrell, C.S.C., at the opening Mass of the school year, Sacred Heart Church, Sunday, Sept. 10, 1978.)

It has been customary, on inaugural occasions like these, to choose ourselves the readings we would hear, selecting from the scriptures (of course) those texts which would most felicitously launch our enterprise. How better to celebrate the nobility of an enterprise--Catholic higher education is ours--then by a judicious culling from the Word of God! Yet closer attention to our very situation here, and a stricter fidelity to the rules of public worship recalls us to our senses, and (as we shall see) returns us to ourselves. For the enterprise, however nobly conceived and propagated in print, remains what we make of it, primarily through the quality of our dealings with one another.

The word of God is given to us, as it was to the Israelites camped on the plain before that towering mass of rock in the Sinai desert. And by way of insistently reminding us of that fact, the church prescribes what it is we are to hear, day by day, Sunday after Sunday, through the year and through our lives. By listening to those readings as they come to us, our lives are aligned progressively, through ups and downs, joys and sorrows, with that Word of God made flesh in Jesus: our brother as well as our Lord. And by adhering, as we have in this solemn opening mass, to the readings given us for the Twenty-third Sunday of the year, we remind ourselves that this solemn beginning sets itself firmly within our continuing pilgrimages--individual and institutional--in the company of our brothers and sisters.

Whatever our relative distance from or proximity to Jesus, we cannot escape, here, being brothers and sisters of the Lord, for such is the fact of this University nurtured from the beginning by a community of men and of women who explicitly vowed themselves to follow Him. The touted "specialness of this place" reflects, I am convinced, the consistency of that communal venture over more than a hundred years. The task that we inherit is one of forging communal bonds among a larger and more disparate group of younger and older, accomplished and apprentice scholars of varying backgrounds and beliefs, variously yet singly committed to the work we hold in common trust: Catholic higher education.

The readings given us to hear--from the prophet Ezechiel (33:7-9), the apostle Paul (Romans 13:8-10), and the evangelist Matthew (18:15-20)--are given us in the midst of our journey, and on this very special day to address that task directly and forcibly: the task of forging communal bonds to ensure a common work. The Gospel will not let us dodge the issue by splendid talk of the enterprise or of our professions, as we are all too wont to do; but rather directs us to the power which a community has to effect that noble enterprise. This power is cryptically referred to as one of "binding and loosing," and it is embodied in a process of three articulated steps, plus an outside last resort. That process, as outlined in the Gospel, reminds us that we hold in our hands the power to build up or to destroy, and the Gospel reading itself warns us, as the sentry in Ezechiel, that if we fail to follow it, the ideals of our common work and of our distinct professions will leave us standing cynically behind, in a cloud of rhetorical exhaust. For the process recommended to us as the very heart and sign of a church charged with the power of forgiveness, offers a step-by-step description of a discipline designed to teach us all--students, faculty, administrators alike--how to learn from one another,

precisely by surmounting the stubborn fact that each of us can all too easily become settled obstacles in the path to a common ideal. The process, in fact, offers a series of steps which, if taken, can transform ideals into conviction; and it is difficult if not impossible to imagine whether anything else can do that.

The steps are deceptively simple, yet instructive in their detail. We are encouraged "if (our) brother does something, (to) go and have it out with him alone, between your two selves." Two elements are presumed: that we know and feel ourselves to be related one to another as brothers and sisters, and that whatever it is that so related us provides us as well with a shared set of convictions regarding what is right and wrong, upbuilding or destructive. Yet neither of these can really be presumed, of course, as though they were established for us neatly to slip into, the way a catechism presents church doctrine. They must be worked at, renewed in each generation, and indeed in each new situation, just as doctrine embodies a community's history, and is meant to enliven our individual stories. Why don't we just "go and have it out with him (or with her) alone?" What keeps us from bringing it up, face-to-face? It is very difficult, we are prone to say. But what makes it so difficult? That is what's hard to say. We may be too upset. True enough, and often nothing but time can set the proper stage. But all too often time also lets slip our resolve, or our preoccupation with the stage-setting becomes an over-riding excuse, and we let the opportunity slip away. And each time it does, resentment has a chance to pile up, and we can become that much more isolated from one another, so that the next event will afford that much less of an opportunity to make contact.

This description is so true to life that we know the Gospel has touched a vital center. On a more positive note, should we carry through, we will more often than not have found (or made) a sister or brother. The contact is a creative one because the very wrong that originally affronted us usually has other sides as well, and what ensues between us may help each of us through to a more subtle grasp of the convictions we generally share. But if we let an initial fear of the "complexity" of things diffuse the conflict and release us from the admonition to "have it out...between your two selves," then we will have failed to advance one step in mutual understanding, and even missed a valuable step along the way ourselves.

The next two steps must be elaborated into what we call procedures. They demand more work and time to develop than we have at our disposal now. The dynamics are analogous, however: do not escalate until you must, and then only a little at a time. Each step supposes a context of fraternal and communal discernment: the sort of thing that can only be built up by "having it out between ourselves." It is the last resort which may scandalize us: if none of these attempts gets through, "treat him like a pagan or a tax collector." In occupied Judea, the people had to deal with the Romans and with their Jewish collaborators, and there was a place: the courts of law which the conquerors had introduced to the land. Elsewhere Paul bemoans the fact that brothers and sisters "take up a complaint against (one) another in the law courts" (1 Corinthians 6:1), for this very recourse signals the bankruptcy of their efforts at building a community. Matthew's set of procedures tells us why: the power to bind or to loose, the power to make common cause through expanding our individual ventures enough to forgive the other, is given over to someone else--someone alien to the group. The sacred hoop has been broken, the center has departed, the Oglala Sioux would say.

The counterpoint to "having it out...between your...selves" is for "two or three (to) meet in my name," for when they do, "I shall be there with them." For to meet in Jesus' name is to be conscious that our common task exceeds our collective capacities, as we are called to acknowledge by gathering here this morning. For that task reaches beyond the boundaries of our respective disciplines, beyond the confines of our nation-state, to embrace the needs of a world whose de facto interdependence all too often spells sophisticated forms of exploitation of the weaker by the stronger. We are the stronger by an exceedingly large measure, yet that strength can easily turn flabby if we fail

to learn how to use it to address the dilemmas of our age: dilemmas epitomized in systemic injustices perpetrated by well-meaning individuals and by otherwise enlightened institutional arrangements. We could come together--in two or three or more--to deliberate how our individual and collective competencies might address those issues. For then we would soon find out how incompetent we felt in the face of them, and before long find ourselves meeting more and more explicitly in His name.

The telling message of today's scripture to us, then, is one we would avoid hearing if we could. It would be far more appetible to celebrate our noble enterprise. What Ezechiel and Matthew conspire to warn us, however, is that we hold the power to realize or to vitiate the grand vision of Catholic higher education. We hold it in our God-given capacities to hear one another out, to bind and to loose; to forgive so that we can go on together, to gather in prayer that we might come to know the way. For that our mission outreaches our competencies we know very well; yet the resources we do have we can conveniently avoid having recourse to. All too frequently we come together--two or three--to trade resentments; all too seldom in His name. Yet only in the measure that we can learn how to release one another from a self-imposed tunnel vision and hardness of heart will we find our way to embodying a mission that is distinctively Catholic; or will we be empowered to pool our disciplines to help "establish a new world order of compassion, peace, justice and security" for all peoples.* Only as we learn how to free one another from our individual and collective fears will we be enabled to expand our vision to embrace the needs of an increasingly interdependent world. And a Catholic vision cannot settle for less.

*From "A Declaration of Interdependence," by Henry Steele Commager, cited in Theodore M. Hesburgh, "The American Responsibility for Fostering Religious Liberty Internationally," *Journal of Ecumenical Studies* 14 (1977) 144 (712).

(A personal note: I am particularly indebted to our colleague John Howard Yoder, for helping me to read so closely and so profitably the text of Matthew: "Binding and Loosing," in Concern #14 (February 1967) 2-32--available from 721 Walnut Avenue, Scottdale, Pa. 15683.)

Faculty Senate Journal

May 3, 1978

At 7:35 p.m. the chairman, Prof. Paul Conway, called the meeting to order in Room 202 of the Center for Continuing Education and asked Prof. Albert LeMay to offer the prayer. The Journal for April 13, 1978 was approved with minor revisions. Members of the senate, new and returning, were asked to introduce themselves. In the Chairman's Report, Conway announced that a meeting of the Academic Council had been called for Thursday, May 4, 1978 to discuss the recently announced candidacy of Prof. Timothy O'Meara for the office of provost. Conway then read, on O'Meara's request, a letter from Rev. Theodore Hesburgh, C.S.C., to Dean Fernand Dutille, secretary of the Provost Search Committee, explaining the genesis of the new consideration of O'Meara. It was made clear in the letter that Father Hesburgh had persuaded O'Meara to allow his name to be put into consideration after and independently of the work of the search committee (of which O'Meara was chairman).

Conway then reported on a joint meeting held earlier in the day (May 3, 1978) between the executive committees of the Faculty Senate and the Alumni Association. He explained that the meeting was the first of its kind and that it opened up a line of potentially fruitful communication between the two bodies. It was agreed at the meeting that in the fall there should be a senate speaker at the general board meeting of the Alumni Association and a reciprocal arrangement for a senate meeting.

On other matters, Conway remarked that 1) the Academic and Faculty Affairs Committee of the Board of Trustees would be meeting the following week; 2) the senate had received a very useful "historical perspective" letter for future reference from Prof. Paul Kenney on the matter of Special Professional Faculty; 3) the law and science colleges had not yet completed their elections for senate seats, and 4) the election results for 1978-79 representatives on the Campus Life Council were: Prof. Kenneth Milani (accountancy) and Prof. James Shilts, C.S.C. (physics); and that Prof. James Carberry (chemical engineering) and Prof. Theodore Crovello (biology) had been elected to the Academic and Faculty Affairs Committee of the Board of Trustees. Alternate (third place) status in these two elections, respectively, fell to Prof. Sonia Gernes and Prof. John Lyon.

At this point, Prof. John Lyon expressed his hope that at the next day's Academic Council meeting someone present from the senate would raise questions a) about the significance of O'Meara's candidacy for provost with respect to the research orientation of the University, and b) about the effect of O'Meara's candidacy on faculty unionization (if any).

Reporting for the Committee on Administration, Prof. James Dougherty supplied the senate with the results of the questionnaire (distributed at the April meeting) which surveyed attitudes toward faculty representation at the provost-level review of promotions and tenure recommendations. Dougherty noted the indecisive character of these results and suggested that the new provost be advised of the senate's deliberations on the issue. Prof. Phillip Sloan asked whether a general faculty response might be less unclear. Dougherty expressed doubt, but suggested that if a general survey of faculty opinion was attempted next fall, the representation issue might be included.

Reporting for the Faculty Affairs Committee, Katharina Blackstead expressed gratitude to the members of the committee for their efforts over the past year.

For the Student Affairs Committee, Rev. Claude Pomerleau, C.S.C. reported on the "free lunches for faculty" program, noting that administration response to the suggestion (see March Journal) was positive and quick, while student government follow-up was less than coordinated. He also expressed his hope that the SAC would continue the contact established this year with the Hall Presidents' Council and the Office of Student Affairs.

Under New Business, Prof. Irwin Press suggested that the new executive committee of the senate, about to be elected, meet before the end of the semester, if possible, with the executive committee of the Academic Council in an effort to improve communication (and representation).

There followed the election of 1978-79 officers and standing committee chairmen, the results of which are:

Chairman: Prof. Vincent DeSantis (history)
Vice-Chairman: Prof. Kenneth Goodpaster (philosophy)
Secretary: Katharina Blackstead (library)
Treasurer: Prof. Irwin Press (sociology/anthropology)

Committee on Administration: Prof. Michael Francis (government and international studies)
Faculty Affairs Committee: Prof. Robert Irvine (civil engineering)
Student Affairs Committee: Prof. Albert LeMay (modern and classical languages)

Following the elections, Prof. Donald Barrett suggested that it might be appropriate, if sufficient money remained in the budget, to have a party for departing, returning and new senators--and that Father Hesburgh be invited as well. Some acknowledgment of the senators' substantial service, he said, should be made. Conway agreed, emphasizing the senate's accomplishments and contributions over its 11-year history.

After the senators were asked to sign up for standing committees, the meeting was adjourned at 9 p.m.

Budget Report:

Uncommitted balance: \$1,278 (67.3%)

April expenditures:

Supplies	\$ 22.85
Duplicating	65.27
Entertainment	32.50
Postage	6.16
Telephone Line	12.00
TOTAL	\$138.78

Those absent but not excused: Francis J. Castellino, chemistry; John Connaughton, law; Robert C. Nelson, aerospace and mechanical engineering; Raymond G. Schoen, freshman year of studies; J. Kerry Thomas, chemistry; Don G. Vogl, art.

Respectfully submitted,

K.E. Goodpaster
Secretary

Lilly Endowment Faculty Open Fellowships 1978 Timetable

Sept.-Oct.	Application forms available in the Office of Advanced Studies.
Nov. 1	Proposals due in Office of Advanced Studies. Each proposal will be reviewed and if errors are noted, the candidate will be so informed and have time to make corrections.
Nov. 8	Proposals to Provost Office.
Nov. 9-17	Proposals to members of the Lilly Endowment Selection Committee. Readers who will rank proposals 1-2-3-4, etc., will represent each college, the Law School, and the Office of Advanced Studies. This year a faculty member who has held a Lilly Endowment Faculty Open Fellowship will be added to the list of readers.
Nov. 20	Final selection--three proposals--cover letter, Timothy O'Meara, provost.
Nov. 21	Mailing to Lilly Foundation to meet Dec. 1 deadline.
Notre Dame faculty selected for Lilly Fellowships:	
1976-77	James Bellis, associate professor of sociology-anthropology
1977-78	Donald Sniegowski, associate professor of English
1978-79	James Cushing, associate professor* of physics
1978-79	Walter Nicgorski, associate professor of general program of liberal studies
*Rank at time of selection	

United Way Appeal

The Salvation Army, the Urban League and the Voluntary Action Center are all funded in whole or in part by the United Way in this community. The opportunity to help each of these and the other 30 member agencies serving the needs in St. Joseph County will be presented to all of us when the United Way campus fund drive takes place for the Notre Dame community in early October.

For a number of years Notre Dame has been looked to as one of the St. Joseph County leaders in providing assistance to the county's social service needs. For the last several years, however, we have trailed behind some of our brother and sister organizations in the fund drive area. In 1977, the goal was surpassed (by almost \$3,000) for the first time in several years. Our participation rate did not meet the previous year's rate, however, and goals are being set which will make this year a challenge. Please, think positively about the value of these United Way services to all of us and dig deep for the drive this year. Let's all participate for a better community.

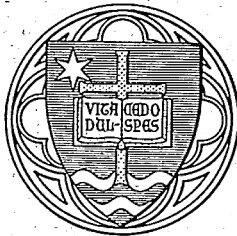
Our request is simple. When you receive the pledge card, whether through the mail or from a co-worker who is helping us, record what is reasonable for you to give, regardless of the amount; sign the card, and mail it right away to personnel through the on-campus mail.

Thank you.

James Daschbach, Chairman
United Way Campaign at Notre Dame

Dr. Joseph C. Hogan
Dean
College of Engineering
Notre Dame IN 46556

notre dame report



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