

'78-'79

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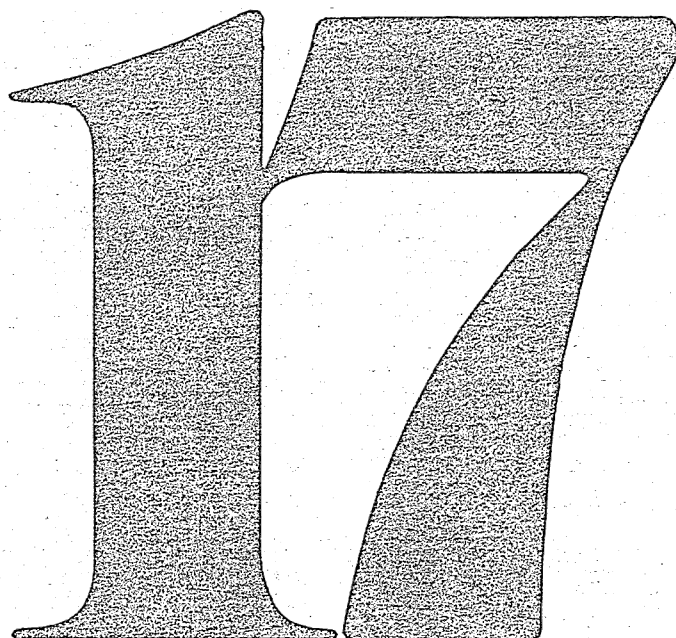
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the university

Califano to Deliver Commencement Address

Secretary of Health, Education and Welfare Joseph A. Califano, Jr., will deliver the address at Notre Dame's 134th Commencement Exercises on May 20. Califano, who controls the third largest budget in the world--\$182 billion--and manages more than one million people in around 400 programs, will be one of 11 individuals presented with an honorary degree on the occasion.

Others receiving honorary degrees are Guido Calabresi, professor of law at Yale University; John J. Gilligan, outgoing administrator of the U.S. Agency for International Development; Marvin L. Goldberger, president of the California Institute of Technology; Msgr. George G. Higgins, secretary for special projects, United States Catholic Conference; Archbishop Iakovos, primate of the Greek Orthodox Church in North and South America; Rev. William M. Lewers, C.S.C., provincial superior of the Holy Cross Fathers-Indiana Province; Thomas A. Murphy, chairman of the board of General Motors Corporation; Jaroslav Pelikan, Sterling Professor of History and Religious Studies at Yale University; John A. Schneider, television consultant and former president of the CBS Broadcast Group; Congressman Clement J. Zablocki of Wisconsin. Helen Hayes will be presented with the Laetare Medal at that time.

A total of 1,601 undergraduate degrees are expected to be conferred, in addition to 234 master's and doctor's degrees in the Graduate School, 146 law degrees and 92 MBA degrees.

Fr. Hesburgh Heads Leadership Poll

Rev. Theodore M. Hesburgh, C.S.C., University President, was ranked the nation's most influential person in religion and second most influential in education in the sixth annual survey of leadership done by U.S. News and World Report.

In religion, Fr. Hesburgh headed a list which included Evangelist Billy Graham; William P. Thompson, head of the National Council of Churches; Terence Cardinal Cooke of New York City, and University of Chicago Divinity Professor Martin Marty.

In education, HEW Secretary Joseph Califano was ranked first, followed by Fr. Hesburgh, U.S. Commissioner of Education Ernest L. Boyer, Harvard University President Derek C. Bok, and Clark Kerr, chairman of the Carnegie Council on Policy Studies in Education.

Also, Fr. Hesburgh recently represented Christians at an ecumenical prayer service in Washington after the signing of the Arab-Israeli peace treaty. He did so at the request of the White House and was a guest at the Presidential dinner celebrating the treaty.

Deadline Change

Due to the Memorial Day observance, the deadline for information for Notre Dame Report #18 is changed from Monday, May 28 to Friday May 25.

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May 18, 1979

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Directory Information Deadline

Information regarding changes and additions for the 1979-80 Notre Dame and Saint Mary's College Telephone Directory are due June 15. Please mail any corrections in names, titles, addresses or additions to Rm. 415 Administration Building according to the format which appears below:

MAGEL, Carl (Ellen), Director Printing &
Publications, 415 Admin. Bldg.....1234
3032 Princeton Dr., Mishwaka 256-1949

Relief Fund Results

According to A. Peter Walshe, professor of government and international studies and member of the Third World Relief fund committee, 157 faculty, staff, and administrators gave or pledged \$11,774 to the fifth appeal of the Third World Relief Fund to Notre Dame.

Engineering Awards

The College of Engineering presented its third Outstanding Teacher Award to Walter J. Gajda, Jr., associate professor of electrical engineering, on April 26. At that time four individuals received the 1979 College of Engineering Honor Award. Edward B. Fitzpatrick, Jr., president of Fitzpatrick Construction Corp.; Bernard J. Hank, Jr., chairman of the board of Montgomery Elevator Co.; John J. Martin, assistant secretary of the Air Force for research, development and logistics, and Thomas D. McCloskey, president of McCloskey & Co., Builders, were honored for significant contributions to the advancement of engineering. Martin also delivered the annual lecture.

faculty notes

Appointments

Walter J. Nicgorski, associate professor of the General Program of Liberal Studies, has been named chairman of that program. He succeeds John J. Lyon, also an associate professor of the General Program of Liberal Studies and director of the History and Philosophy of Science Program, who will be on leave during the next fall semester and return to fulltime teaching in the spring.

Honors

Eugene W. Henry, professor of electrical engineering, was awarded the Air Force Commendation Medal at the AFROTC awards ceremony in the Library Auditorium on May 1 for meritorious service as a flight control staff development engineer in the Air Force Flight Dynamics Laboratory, Wright-Patterson Air Force Base, Ohio, from May 15, 1975 to Sept. 15, 1978.

David J. Ladouceur, assistant professor of modern and classical languages, has been awarded a grant from the National Endowment for the Humanities to pursue a research project at Harvard and Duke Universities on "Crime and Violence in Graeco-Roman Egypt."

Thomas G. Marullo, assistant professor of modern and classical languages, has been selected as a research associate in the Russian and East European Center at the University of Illinois at Urbana-Champaign for the summer of 1979.

Rev. Ernan McMullin, professor of philosophy, has been appointed to the six-person joint commission which will plan the next World Congress of Philosophy to be held in Athens in 1983, serving as representative of the U.S. and Britain.

Dominick J. Napolitano, associate professor of physical education and director of nonvarsity sports, received the 1979 Thomas More Award, presented annually by residents of Fisher Hall to an individual exemplifying "the virtues of integrity, moral fortitude, compassion, leadership and service that were apparent in More's life."

Bro. Leo V. Ryan, C.S.V., dean of the College of Business Administration, was re-elected to the board of directors, First Bank-Midland Milwaukee at the annual shareholders meeting, April 19. He was also named chairman of the Trust Audit Committee of the First Bank, Lacrosse-Milwaukee Division. Ryan was re-elected to the board of directors of Vilter Manufacturing Corporation, and to the boards of directors of three Vilter subdivisions, Vilter Construction and Sales (Chicago); Vilter International (Milwaukee) and Filbert Corporation (Florida) at annual stockholders meetings of each corporation.

In addition, Ryan was named chairman of the Resolutions Committee and a member of the International Relations Committee of the American Assembly of Collegiate Schools of Business (AACSB) at its annual meeting in New Orleans, April 30-May 4. Ryan has also been named Hall Fellow of the Year for 1979 by the residents of Morrissey Hall.

Activities

Teoman Ariman, associate professor of aerospace and mechanical engineering, gave a lecture: "New Concepts and Methods in Particulate-Gas Separation," at the 2nd Multi-Phase Flow and Heat Transfer Symposium-Workshop held in Miami Beach, Fla., April 16-19. He also contributed a paper, "Aerosol Filtration by Fibrous Filters in an Electrostatic Field" and chaired a session on electrofluidized beds at the same workshop.

Harvey A. Bender, professor of biology, participated in a symposium, "Biology and Technology: Some Ethical Implications", held at Wheaton College, Wheaton, Ill., April 19-20.

Frank J. Bonello, associate professor of economics, presented a paper, "Monetary and Fiscal Action Multipliers Under Various Lag Structures," (co-authored with William R. Reichenstein) at the 1979 meeting of the Midwest Economic Association on April 6, in Chicago.

Dino S. Cervigni, assistant professor of modern and classical languages, delivered a lecture: "I Due Protagonisti Disillusi Nella Vita del Cellini E Nel Don Quijote del Cervantes" at the 10th meeting of the "Associazione Internazionale per gli Studi di Lingua e Letteratura Italiana" held in Belgrade, Yugoslavia, April 17-20.

Nancy L. D'Antuono, assistant professor of modern and classical languages, gave three lectures on "Survival in an Italian Metropolis: Linguistic Requisites," for the Latin Day IV Conference at Notre Dame, March 20.

Fabio B. Dasilva, professor of sociology and anthropology, presented a paper in a conference on Collective Awareness entitled "The Character of Revolutionary Movies," held at Daemen College, Buffalo, NY, April 25. He also participated in the annual meeting of the Midwestern Sociological Association held in Minneapolis, April 26, with a paper, "An Analytical Frame for the Study of the History of Sociological Theory"; and in the annual meeting of the North Central Sociological Association, held in Akron, April 27, with a paper, "The Concept of Effective-History in the Hermeneutics of Hans Georg Gadamer."

Robert A. Dreves, instructor in marketing, made a presentation before the Notre Dame Outdoor Advertising Association on "Presentation of Promotional and Sales Presentations" at the Center for Continuing Education on March 13, 14. Dreves also presented a paper, "Undergraduate Business Education: Trends and Issues" before the Midwest Business Administration Association on April 15 in Chicago and conducted a workshop on "Developing a Promotional Campaign to sell Ads in a Student Technical Magazine" for the Engineering College Magazines Associated National Convention, April 16, also at the CCE.

William F. Eagan, associate professor of management, chaired an open hearing on professional ethics at the Great Lakes Regional Conference of the National Council for the Social Studies held in Chicago, March 17. Eagan also chaired an open hearing on professional ethics at the annual convention of the Indiana Council for the Social Studies in Indianapolis on March 31. On April 21, Eagan presented a paper, "Reserve Mining and Pollution: A Second Look" at the annual meeting of the Tri-State Business Law Association in Cincinnati.

Msgr. John J. Egan, special assistant to the President and director of the Center for Pastoral and Social Ministry, addressed the Catholic Press Association in Fort Lauderdale, Fla. on "The Social Mission of the Church: The Tradition and the Challenge" on April 26.

Edward A. Fischer, professor emeritus of American studies, received an honorary degree, Doctor of Letters, on the occasion of his delivery of the commencement address at Saint Joseph's College, Rensselaer, Ind., May 6.

James F. Gaertner, assistant professor of accountancy, and Kenneth W. Milani, associate professor of accountancy, presented a paper, "Cost Accounting as the Capstone Course in a College of Business Administration," at the annual meeting of the Midwest Business Administration Association in Chicago, April 6. Gaertner was also an invited discussant for a paper, "Accounting for East-West Trade Transactions" at the same meeting.

John A. Halloran, assistant professor of finance, presented a paper, "A Theoretical Model of the Impact of FHLB Advances on the Cost and Availability of Funds at S&Ls," at the annual meeting of the Midwest Finance Association, in Chicago, on April 6.

Patrick Horsbrugh, professor of architecture, lectured to the Department of Architecture, Andrews University, Berrien Springs, Mich., on graphics, sketching and painting techniques; and also held an exhibition of pictures, April 26.

Winifred Min-Yang Huo, assistant professional specialist in the Radiation Laboratory, presented a seminar "Some Aspects of Electron Impact Spectroscopy and Its Applications" at Indiana University, Bloomington, Ind., on May 1.

Marjorie Kinsey, adjunct assistant professor of art, presented a paper, "Delacroix's 'Death of Cato,' or Suicide, Reasonable or Romantic," at the annual meeting of the Midwest Art History Society at the University of Kansas, April 5-7.

Anne Lacombe, associate professor of modern and classical languages, chaired a session on "Language Courses for Business and Journalism" at the Central States Conferences on Foreign Language Teaching in Minneapolis, April 19-21.

Ernest LePore, assistant professor of philosophy, commented on a paper at the 7th Annual Linguistics Conference on Current Approaches to Syntax, held at the University of Wisconsin-Milwaukee, March 16-18. LePore also presented a paper: "Interpretation, Belief and Behavior" to the Southern Society of Philosophy and Psychology meeting in Norfolk, Va., April 12-14.

John R. Malone, professor of marketing, conducted two seminars: "Analyzing the Operation of the Typical AMOA Firm" and "Outlook 1979" for the Amusement and Machine Operators Association of America at the O'Hare Hilton in Chicago, March 9-10.

Malone conducted a seminar for the Outdoor Advertising Association of America at the Center of Continuing Education at Notre Dame on March 12, entitled "The Plant Operation as the Client's Marketing and Advertising Consultant." Malone also delivered a talk, "The Current Economic Science," to the members of the Home Builders Association of the St. Joseph Valley on April 10, at the Morris Park Country Club.

Rev. Ernan McMullin, professor of philosophy, served on the program committee for the Edison Centennial Symposium, in San Francisco, April 2-4, and chaired a session on "Ethical Limits to Scientific Inquiry." He spoke at a session on "The Role of the U.S. in World Philosophy" at the western division meeting of the American Philosophical Association, held in Denver, April 19-21, and lectured in the Denison University Philosophy Series on "Historicism and the Philosophy of Science," Granville, Ind., April 30.

Thomas V. Merluzzi, assistant professor of psychology, presented a colloquium "Explorations in Cognitive Assessment" at Ohio State University, Department of Psychology, on April 20. Merluzzi was also chairman of the program committee for the 22nd Annual Convention of the Indiana Association for Retarded Citizens, April 5-7, at the Century Center. As a retiring vice president of the board of directors, he was recognized by the board for leadership and service.

Kenneth W. Milani, associate professor of accountancy, and James F. Gaertner, assistant professor of accountancy, presented a paper, "Cost Accounting as the Capstone Course in a College of Business Administration" at the annual meeting of the Midwest Business Administration Association in Chicago, April 6.

Thomas J. Mueller, professor of aerospace and mechanical engineering, presented a seminar: "Smoke Visualization of Subsonic and Supersonic Flow," at the University of Texas, Austin, April 23.

Robert C. Nelson, assistant professor of aerospace and mechanical engineering, presented a seminar at the University of Washington on "The Results of High Angle Attack Interference Studies at Notre Dame," on April 30.

Norlin G. Rueschhoff, associate professor of accountancy, was moderator of a session on "International Accounting Practices" at the midwest regional meeting of the American Accounting Association held in Chicago on April 6.

John A. Ruhe, associate professor of management, organized and chaired a symposium on "The Role of Values and Ethics in Decision-Making: A New Look" at the 1979 Northeast American Institute of Decision Sciences Conference, Boston, March 29-31.

Wendy Clauson Schlereth, acting University archivist, delivered a paper on Catholic archives at the spring meeting of the American Catholic Historical Association held at Notre Dame on April 6-7.

Herbert E. Sim, chairman and professor of finance, conducted a seminar on city and town budget preparation for local government officials in northern Indiana on April 4; sponsored by the Academy in the Public Service, Georgetown University, and held in South Bend.

James P. Sterba, assistant professor of philosophy, presented a paper: "Abortion and Future Generations" at the Conference on Value Inquiry held at Geneseo, N.Y., April 20-21. He also presented a paper, "How To Complete the Compatibilist Account of Free Action," (coauthored with Janet A. Kourany of the University of Utah) at the meeting of the American Catholic Philosophical Association held in Toronto, April 20-22.

Wilhelm Stoll, professor of mathematics, lectured on "Strictly Parabolic Manifolds" at the Conference on Complex Variables, Princeton University, Princeton, N.J., April 16-20.

Ken R. Thompson, assistant professor of management, served as session chairman on "Considerations and Duplications for Leadership" and session discussant on "Organizational Behavior Research in the Public Sector" at the meeting of the midwest division of the Academy of Management, April 19-21, in Cleveland.

Edward R. Trubac, associate professor of finance and director of the master's of science in administration program, gave a talk, "Short-Term Forecasting Methods in the Castings Industry," at the annual meeting of the Iron Castings Society's Sales Management Marketing Conference in Chicago, April 24.

Thomas A. Werge, associate professor and acting chairman of English, gave an invited lecture on Dante and led seminars at Saint Anselm's College, Manchester, N.J., on April 23-24.

Charles K. Wilber, chairman and professor of economics, presented a paper: "Population and Economics" to "Encounter 78: Population from Now to 2000," a conference sponsored by the Canadian International Development Agency and The University of Western Ontario, London, Ontario, April 18-21.

Deaths

Bro. Columba Curran, C.S.C., 68, professor emeritus of chemistry, April 26.

office of advanced studies

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.

Leukemia Society of America, Inc. Research Grant Program

No. FY79-150

Program:-

A fundamental principle of the Society's research program is that all medically sound avenues of approach toward a cure or control of leukemia should be encouraged on a world-wide basis. Thus, the Society welcomes applications from investigators willing to dedicate their careers to leukemia research. Only individual investigators having specific research projects are supported. Research projects must be related directly to the field of leukemia or allied diseases. All applicants must hold doctoral degrees at the time a grant is to become effective.

Three Types of Grants:

- * Scholar Program: Five-year grants for a total of \$100,000 are awarded to individuals who have demonstrated distinct ability in the investigation of leukemia and related disorders.
- * Special Fellows Program: Two-year grants for a total of \$31,000 are awarded to individuals who have demonstrated distinct ability in postdoctoral research and who have become interested in working in the field of leukemia.

- * Fellow Program: Two-year grants for a total of \$25,000 are awarded to promising younger investigators to encourage work in leukemia research.

Established investigators, under rare and exceptional circumstances, may apply to take a sabbatical in order for them to gain more information on leukemia and related diseases.

Deadline:
Sept. 1, 1979.

Applications:
Grant applications are available from the Office of Advanced Studies, or write to:

Leukemia Society of America, Inc.
211 East 43rd Street
New York, New York 10017

Council for International Exchange of Scholars Fulbright Awards Abroad University Teaching and Advanced Research

No. FY79-151

Because of the length of guidelines and opportunities available, the following is a brief summary of the Fulbright Awards Abroad Program. For further information, contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

The majority of the grants are for the academic year of the host institution or country -- September or October 1980 to June or July 1981 if it is in the Northern Hemisphere, otherwise for a period within the calendar year 1980.

Eligibility:

- * United States citizenship.
- * For lecturing -- usually postdoctoral college or university lecturing experience at the level and in the field of application.
- * For research -- a doctorate at the time of application, or other professional qualifications.
- * Proficiency in a foreign language, in some cases.

Deadline:

Most applications are due by June 1, 1979 (American Republics, Australia, New Zealand) or July 1, 1979 (Africa, Asia, Europe), but other due dates are designated for certain awards. Since some teaching awards are not filled through applications received in the general competition, and since new openings occur throughout the year, inquiries about the possibility of late application are welcome at any time.

Law Enforcement Assistance Administration Long-Range Research Priorities

No. FY79-152

Approximately \$9 million in FY 1979 funds have been earmarked for research in the Institute's 10 long-range priorities. The priorities are: correlates and determinants of crime; violent crime; career criminal; community crime prevention; utilization and deployment of police resources; pretrial process: consistency, fairness and delay reduction; sentencing; rehabilitation; deterrence; and performance standards and measures for criminal justice.

A major focus of the Institute's attention in FY 1979 will be on the fundamental issues underlying criminal behavior. Projects in this area will emphasize longitudinal studies and comparative research. Focus will also be placed on assessing how biological and social variables contribute to knowledge about crime.

With a total FY 1979 budget of \$25 million, the Institute also will continue to sponsor other research in police, courts, corrections and community crime prevention. Among the studies that will begin or continue in FY 1979 are inquiries into white-collar crime, arson, employee theft, research in the forensic sciences, a synthesis of research findings on police management and the mental health needs of jailed offenders.

Other portions of the Institute FY 1979 budget will go for evaluation of major LEAA discretionary programs and for methodological studies designed to advance the state of the art in criminal justice research and evaluation.

FY 1979 also will see an expanded focus on research utilization. This activity uses research findings in the design, development and testing of action programs. If results of this applied research process warrant it, the Institute then develops a refined model suitable for wider demonstration by LEAA.

National Institute of Law Enforcement and Criminal Justice White-Collar Crime

No. FY79-153

The National Institute of Law Enforcement and Criminal Justice (NILECJ) is soliciting preliminary proposals for research in the area of white-collar crime. This solicitation is a call for research proposals on aspects of white-collar crime in which little research has been conducted but which builds on past research efforts. The objective of the research will be to address significant issues, increase our understanding of the specific problem area(s) and ultimately suggest improved methods for addressing the particular problem.

A total of \$200,000 is planned to be awarded through the funding of two separate efforts of no more than \$100,000 each. The duration for each project is expected to be from 15-21 months.

For purposes of this announcement white-collar crime is defined as "an illegal act or series of illegal acts committed by nonphysical means and by concealment or guile, to obtain money or property, to avoid the payment or loss of money or property or to obtain business or personal advantage."

Current National Institute research in the area of white-collar crime includes: a study of data sources; corporate illegalities; theft by employees in the work organization; white-collar crime enforcement, prosecution and sanctioning at the federal level; and fraud and abuse in government benefit programs. In addition, recently completed studies examined problems of consumer fraud and corruption in local government regulatory agencies.

National Institute of Law Enforcement and Criminal Justice Policy Experiments in General Deterrence

No. FY79-154

The National Institute of Law Enforcement and Criminal Justice has announced the continuation of a program of research in the theory of general deterrence. The goal of this program is to increase the quantity and quality of empirical evidence on and scientific understanding about the effectiveness of criminal justice penalties in deterring criminal activity on the part of would-be offenders. The purpose of this solicitation is to invite researchers and research organizations with a particular interest in this area to participate in the program competition by submitting proposals.

The program is concerned with the symbolic effects of formal governmentally generated sanctions upon criminal behavior across the general population or upon the behavior of targeted subpopulations such as marginal offenders, juveniles, drug addicts, etc. It is not concerned with special deterrence (the response of an offender to the sanctions applied to him) or with offender rehabilitation. Neither is it concerned with evaluation of general crime prevention measures such

as residential security programs, citizens awareness programs or other initiatives to reduce the potential opportunities for criminal gains which do not involve variation in official sanctioning for criminal acts.

Simply stated the theory of general deterrence proposes that increasing the levels of sanctions against criminal activities (probability of arrest or conviction; length and severity of sentences) will have as one result, a decline in the levels of those activities by people other than the sanctioned offender. The entire population is presumed to have opportunities for and highly variable prior inclinations toward the commission of criminal acts. Each individual in the population is assumed to weigh the likely risks and potential rewards from criminal acts against the costs and benefits of pursuing his personal goals through legal alternatives. The levels of criminal activity (crime rates) observed are therefore the collective outcomes of these individual decision processes.

Office of Education Special Community Service and Continuing Education Program

No. FY79-155

Section 106, Title IA of the Higher Education Act authorizes the U.S. Commissioner of Education to make grants to institutions of higher education for special continuing education projects designed to seek solutions to national and regional problems related to social and technological change and environmental pollution. To provide a sharper focus to the broad language of the Statute the Commissioner determines annual funding priorities. Fiscal Year 1979 priorities are:

- (1) Experimentation with programs of continuing education directed to the problems of regional or national water or energy conservation, land use planning and/or environmental pollution.
- (2) Demonstrations of effective linkages between institutions of higher education and management and/or organized labor in developing innovative continuing education programs to retrain workers whose jobs have been adversely affected by technological change.
- (3) Planning and demonstration of resource sharing among institutions of higher education, agencies and organizations that expand continuing education opportunities for particular populations who have traditionally been underserved such as women, minorities, the handicapped, older adults and parents/families.
- (4) Demonstrations of new or improved professional development programs to meet the needs of individuals working in continuing education and postsecondary lifelong learning.
- (5) Evaluations of selected nontraditional degree programs that meet the continuing education needs of adults particularly those that integrate liberal and experiential learning.

- (6) Demonstrations of innovative State or local programs which provide effective linkages between postsecondary continuing education and State or local comprehensive manpower programs to enhance long-term employability.

It is anticipated that approximately \$900,000 will be available for FY 1979. OE expects to fund 11 or 12 new projects in amounts of \$60,000 to \$80,000. Ten per cent of the total project cost must be met with non-Federal funds. The initial grant will be for the first 12 months of project activity. Prior years experience has indicated that demonstration projects generally require a minimum of 18 to a maximum of 30 months to be completed. Funding past the initial 12 month period will be done through noncompetitive continuation grants based on satisfactory performance and the availability of funds.

National Cooperative Highway Research Program Transportation Research Board National Research Council

No. FY79-156

The National Cooperative Highway Research Program is supported on a continuing basis by funds from participating member departments of the American Association of State Highway and Transportation Officials (AASHTO), with the full cooperation and support of the Federal Highway Administration, U.S. Department of Transportation and is administered by the Transportation Research Board of the National Research Council. It is not a grant program. It is a program of applied, contract research totally committed to providing solutions for operational problems facing highway and transportation administrators and engineers.

Each year, the AASHTO refers to the NCHRP a research program consisting of high-priority problems for which solutions are urgently required by the states. The AASHTO program for fiscal 1980 consists of seven (7) new problems within the NCHRP research fields of TRANSPORTATION PLANNING, DESIGN, MATERIALS AND CONSTRUCTION AND TRAFFIC. The purpose of this announcement is to make known the essence of the AASHTO problems.

Department of Energy Division of Chemical Sciences

No. FY79-157

The new Department of Energy, DOE, came into existence on October 1, 1977. The Director of the Office of Energy Research, Dr. John Deutch, holds office at the Assistant Secretary level. One of the major functions of the Office of Energy Research, OER, is to support advanced research programs within DOE. The Office of Basic Energy Sciences, BES, headed by Dr. James Kane, is one of the main program offices under OER. Within BES the present Division of Chemical Sciences, CS, of DOE has evolved in moving from the Atomic Energy Commission to the Energy Research and Development Administration and finally to DOE. CS has two branches: Fundamental Interactions and Processes and Techniques. Each branch has several programs.

The Division of Chemical Sciences supports scientists at government, university and corporate laboratories who conduct basic research in areas now or potentially important to the conversion, use and conservation of energy. The goal is to provide, within the scientific disciplines encompassed by Chemical Sciences, the base of long-range scientific knowledge necessary to advance the nation's energy programs. The research covers a spectrum of areas and is generally in the disciplines of chemistry, chemical engineering and physics.

Current Publications And Other Scholarly Works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

Art

- Geoffrion, Moira M.
M.M. Geoffrion. 1979. Collage. Friendship Quilt. Touchstone Gallery, Washington, D.C.
M.M. Geoffrion. 1979. Evansville Museum of Arts and Sciences. Evansville, Indiana.
M.M. Geoffrion. 1979. 1 sculpture exhibited. National Sculpture, Georgia.
M.M. Geoffrion. 1979. Pencil sketches. Fort Wayne Museum of Art, Fort Wayne, Indiana.
M.M. Geoffrion. 1979. Small Works exhibition. 80 Washington Square East Galleries, New York City.
- Jensen, Julie
J. Jensen. 1979. Was Birds. Script. Indiana Repertory Theatre, Indianapolis, Indiana.
J. Jensen and M. Roberts. 1979. Milkweed and Cockle-burs. Script. Indiana Repertory Theatre, Indianapolis, Indiana.
- Porter, Dean A.
D.A. Porter. 1979. One-man exhibition. Bodley II Gallery, New York City.
D.A. Porter. 1979. Watercolors exhibition. Bodley Gallery, New York, New York.
- Vogl, Don G.
D.G. Vogl. 1979. On Ethereal Themes (50 paintings). Fine Arts Building, West Virginia University, Morgantown, West Virginia.

Government and International Studies

- Loescher, Gilbert D.
G.D. Loescher. 1979. Carter's human rights policy and the 95th congress. The World Today 35(4):149-159.
G.D. Loescher and D.P. Kommers, eds. 1979. Human Rights and American Foreign Policy. University of Notre Dame Press. 344 pp.

History

- Dolan, Jay P.
J.P. Dolan. 1979. Religious book week: Critics choice. Commonweal 106(4):124-125.

Music

- Isele, David C.
D.C. Isele. 1978. A Basket Softly Wicker. Notre Dame Chorale's Winter Concert Tour of Ohio, Pennsylvania and Maryland.
D.C. Isele. 1978. The Harvest Moon. Notre Dame Chorale's Winter Concert Tour of Ohio, Pennsylvania and Maryland.

SCIENCE

Mathematics

- Knight, Julia F.
J.F. Knight. 1978. An inelastic model with indiscernibles. The Journal of Symbolic Logic 43(2): 331-334.
- Tung, Chia-Chi
C.C. Tung (under W.F. Stoll). 1979. The first main theorem of value distribution on complex spaces. Atti Della Accademie Nazionali dei Lincei Sene VIII 15(4):93-261.

Physics

- Bishop, James M.
V.A. Polychronakos, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, R.C. Ruchti, W.D. Shephard, M.J. Stangl and J.M. Watson. 1979. Study of the reaction $\pi^-p \rightarrow nK_S^0 K_S^0$ at 6 and 7 GeV/c. Physical Review 19:1317-1335.
- Biswas, Nripendra N.
V.A. Polychronakos, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, R.C. Ruchti, W.D. Shephard, M.J. Stangl and J.M. Watson. 1979. Study of the reaction $\pi^-p \rightarrow nK_S^0 K_S^0$ at 6 and 7 GeV/c. Physical Review 19:1317-1335.
- Cason, Neal M.
V.A. Polychronakos, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, R.C. Ruchti, W.D. Shephard, M.J. Stangl and J.M. Watson. 1979. Study of the reaction $\pi^-p \rightarrow nK_S^0 K_S^0$ at 6 and 7 GeV/c. Physical Review 19:1317-1335.
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Monthly Summary

Awards Received

IN THE MONTH OF APRIL, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Philosophy	Caponigri	Benedetto Croce and Bernard Berenson in their correspondence	Natl. Endow. Human.	14,984 9
Chemistry	Fehlner	Bimetalloboranes, synthesis and reactivity	Natl. Sci. Fdtn.	41,000 12
Chemistry	Labinger	Multimetallic catalytic systems	Natl. Sci. Fdtn.	28,100 12
Advanced Studies	Gordon	Biomedical research support grant	Natl. Inst. Health	75,400 12
Music	Haimo	Spanish music of the sixteenth century	Andrew W. Mellon Fdtn.	426 2 wks
Physics	Poirier	Research in elementary particle physics	Natl. Sci. Fdtn.	134,410 12
College Arts & Letters	McInerny, Burns	Catalogue and access system for the Ambrosiana manuscript microfilm collection	Natl. Endow. Human.	90,000 31
Radiation Lab.	Schuler	Effects of radiation on matter	Dept. Energy	55,000 12
Microbiology - Lobund Lab.	Pollard, Teah	Development and maintenance of germfree animal colonies	Natl. Inst. Health	154,254 12
Electrical Eng.	Stanchina	Effects of oxygen partial pressure on native oxides of GaAs	Natl. Sci. Fdtn.	32,000 24
Psychology	Kline	Stimulus persistence and age: A prospective analysis	Natl. Inst. Health	32,438 12
Mathematics	Sommese	Alfred P. Sloan research fellowship	Alfred P. Sloan Fdtn.	20,000 24
Ambrosiana Collection	Gabriel	Iconographical index of the Ambrosiana Collection	Samuel H. Kress Fdtn.	10,000 13
Microbiology - Lobund Lab.	Pollard, Asano	Intestinal carcinogenesis in conventional and germfree rats	Natl. Inst. Health	69,407 11
AWARDS FOR EDUCATIONAL PROGRAMS				
Biology	Greene	Environmental studies: The Indiana ecosystem as a natural laboratory	Natl. Sci. Fdtn.	20,593 16
Mathematics	Borelli	Pre-college teacher development for secondary mathematics teachers	Natl. Sci. Fdtn.	48,425 16
Cent. Study Man	Samora	Institutional grant and fellowship program	U.S. Office Educ.	93,600 12
Philosophy	Garson, Mellema	An advice-giving computer program for teaching proof finding in formal logic	Natl. Sci. Fdtn.	23,543 20
SERVICE PROGRAMS				
Cent. Human Devel.	Dwyer	Needs assessment program	---	32,439 --
Cent. Past. Soc. Min.	Gallen	Notre Dame Center for Pastoral Liturgy	---	710 --
Cent. Past. Soc. Min.	Gallen	Notre Dame Center for Pastoral Liturgy - training program	---	2,408 --
Cent. Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	---	23,141 --
Cent. Past. Soc. Min.	Gaynor	Religious Leaders Program	---	900 --

Proposals Submitted

IN THE MONTH OF APRIL, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Metallurgical Eng.	Kuczynski, Allen	Pore shrinkage and Ostwald ripening in metallic systems	Dept. Energy	63,572 12
Chemistry	Hayes	X-ray photoelectron spectroscopy of heme compounds	Natl. Inst. Health	63,398 12
Biology	Esch	Nervous system function in parasitic filarids	Natl. Inst. Health	68,570 12
Aerospace Mech. Eng.	Lloyd, Yang	Radiation convection interaction in heat transfer	Natl. Sci. Fdn.	303,570 36
Cent. Const. Studies	Burtchaeil	Use of governmental funding for the imposition of social policy	John M. Olin Fdn., Inc.	135,262 27
Cent. Study Man	Furuhashi, Tavis, Ghoshal	Multinational managers and poverty in the Third World	(private fdtn.)	174,147 20
Cent. Const. Studies	Gaffney	State regulation of religiously affiliated higher education	Natl. Inst. Educ.	188,125 24
Physics	Arnold	Theory of proximity electron tunnelling spectroscopy	Natl. Sci. Fdn.	32,178 24
Chemistry	Thomas	Adsorption and photochemistry of organic molecules on clays	Solar Energy Res. Inst.	256,294 36
Chemistry	Scheidt	X-ray and chemical studies of metalloporphyrins	Natl. Inst. Health	7,475 6
Electrical Eng.	Melsa	Speech coding algorithm for operation in a communication system of 9600, B/S	Defense Commun. Agency	10,489 6
Physics	Blackstead	Phonon spectroscopy in rare earths and rare-earth-iron compounds	Natl. Sci. Fdn.	52,631 12
Chemistry	Basu	Metabolism of glycosphingolipids in animal cells	Natl. Inst. Health	58,765 12
Electrical Eng.	Sain, Wyman	Modular theory of inverse systems	Natl. Aero. Space Admin.	11,285 3
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Electrical Eng.	Melsa, Stanchina	Restructuring of logic design course to use stored program implementation	Westinghouse Educ. Fdn.	50,000 24
College Eng.	Marley	Program to increase the number of women and minorities in Engineering	Corning Glass Works Fdn.	8,091 9
Art	Flanigan	Summer art workshops	Ind. Arts Commission	17,868 2
English	Castro	The Gentleman Tramp: A Charlie Chaplin summer film and discussion series	Ind. Comm. Human.	15,750 2

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF APRIL, 1979

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$ 567,571	6	\$ 189,848	14	\$ 757,419
Facilities and Equipment	-	- - -	-	- - -	-	- - -
Educational Programs	1	93,600	3	92,561	4	186,161
Service Programs	-	- - -	5	59,598	5	59,598
Total	9	\$ 661,171	14	\$ 342,007	23	\$ 1,003,178

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	\$ 559,900	7	\$ 865,961	14	\$ 1,425,861
Facilities and Equipment	-	- - -	-	- - -	-	- - -
Educational Programs	1	8,091	3	83,618	4	91,709
Service Programs	-	- - -	-	- - -	-	- - -
Total	8	\$ 567,991	10	\$ 949,579	18	\$ 1,517,570

Closing Dates for Selected Sponsored Programs

Proposals must be submitted to the Office of Research and Sponsored Programs seven (7) calendar days prior to the deadline dates listed below.

Agency	Programs	Application Closing Dates		
Administration on Aging Department of Justice	Dissertation Program	June	22,	1979
	Research and Development on Crime Prevention and Law Enforcement (unsolicited proposals)	June	30,	1979
International Union Against Cancer	International Cancer Study Grants	June	30,	1979

documentation

Summary of the Notre Dame Board of Trustees Meeting May 4, 1979

1. Two new trustees were introduced: Rev. John C. Gerber, C.S.C., Notre Dame, Ind. and Donald R. Keough, Atlanta, Ga. Another new trustee, Anthony J.F. O'Reilly, Pittsburgh, Pa., was unable to be present.
2. The minutes of the fall meeting of the board of trustees were approved.
3. As chairman of the Fellows of the University, Fr. Hesburgh reported on its meeting which had just concluded. He said that the following were re-elected to six-year terms on the board of trustees: Robert A. Erkins, Philip J. Faccenda, Roland D. Grimm, Jane C. Pfeiffer, and John D. Rockefeller, IV and Frank E. Sullivan. Edmund A. Stephan and John T. Ryan, Jr. were re-elected to three-year terms, and O. Meredith Wilson was named to a one-year term.
4. Edmund A. Stephan and Paul F. Hellmuth were re-elected chairman and secretary respectively of the board of trustees by its membership.
5. As chairman of the board's Executive Committee, Fr. Hesburgh reported on its March 16-17, 1979 meeting at Key Biscayne, Fla.
6. The report of the Nominating Committee was also given by Fr. Hesburgh. It stressed the need for more women and minority group members on the board of trustees.
7. The report of the Academic and Faculty Affairs Committee was given by its chairman, Thomas P. Carney. He said the discussion at the previous day's meeting centered on faculty retirement regulations and faculty compensation vis-a-vis inflation.
8. Prof. Timothy O'Meara, University provost, discussed a report on the liberal arts content of the Colleges of Business, Engineering and Science which had been prepared by a faculty committee which he had appointed.
9. The board passed a resolution noting the retirement of Alfred C. Stepan, Jr. and designating him a trustee emeritus of the University.
10. The report of the Financial Affairs Committee was given by chairman Jerome W. Van Gorkom. The board approved a University operating budget of \$81.3 million for fiscal 1979-80. The trustees also approved certain revisions in the staff employees pension plan.
11. Anthony F. Earley, president of the Notre Dame Alumni Association, gave a report on its programs and activities.
12. The trustees formally approved the awarding of 11 honorary doctorates at the May 20 commencement exercises.
13. Fr. Joyce, the executive vice president and chairman of the Faculty Board in Control of Athletics, gave a report on "Title IX and University Athletics." Subsequently the board formally approved an Athletic Financial Policy.

14. The University's trustees participated in a groundbreaking ceremony for Stepan Chemistry Hall.

15. Commemorating Fr. Hesburgh's 25th anniversary as president of the University, the trustees presented 25 Steuben chalices in his honor to Sacred Heart Church.

16. Provost O'Meara reported on his visitation to each of the University's academic departments during the current year.

17. Fr. Hesburgh presented the Report of the President, highlighting campus events and developments since the fall meeting of the board.

18. A review of residence facilities was presented by John A. Schneider, chairman of the Student Affairs Committee. It centered on quality of life on the campus. Following his report on the committee's meeting of the previous day, the board voted to add the Off-Campus Commissioner and the Judicial Coordinator to the Campus Life Council.

19. Chairman Robert K. Wilmoth gave the report of the Investment Committee. He noted that the current market value of the University's endowment is \$127 million.

20. Provost O'Meara reported briefly on faculty recruiting and the search for a new science dean.

21. Mr. Schneider and Fr. John Van Wolvlear, vice president for student affairs, gave a review of campus security.

22. The report of the Committee for Public Relations and Development was given by its chairman, Paul Foley.

23. A discussion on retirement regulations and federal law was led by Provost O'Meara and Thomas J. Mason, the vice president for business affairs. Subsequently, the board adopted the following as University policy: that until July 1, 1982, a member of the faculty will retire and become emeritus on July 1 following his 65th birthday. An emeritus member of the faculty may be re-employed on a part-time or full-time basis, at the discretion of the University, on a case-by-case basis, after retirement.

24. Mr. Mason presented a review of developments in the area of affirmative action.

25. National chairman John T. Ryan, Jr. reported on The Campaign for Notre Dame, noting that it has generated commitments and gifts totaling \$118 million or more than 91 per cent of its \$130 million goal.

26. The chairman of the board, Mr. Stephan, announced a number of committee assignments which were formally approved by the membership.

27. The board passed two technical resolutions.

28. The officers of the University withdrew from the room, and the board reviewed their performance.

James E. Murphy
Associate Vice President-PR&D
Briefing Officer

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