'78-'79

# notre dame report

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# April 6, 1979

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# the university

# Laetare Medal Awarded

Helen Hayes, the first lady of the American stage, has been awarded the University of Notre Dame's Laetare Medal, the oldest of honors accorded American Catholics.

The 78-year-old actress, whose performances have delighted audiences since her professional debut in 1905 as Prince Charles in "The Roval Family," is the third actress and the 22nd woman to receive the medal, first given to distinguished Catholics in 1893. Margaret Anglin received the medal in 1927 and Irene Dunne in 1949.

Millions of Americans have been entertained by Miss Hayes in memorable performances that include Maggie Wylie in "What Every Woman Knows," Mary Stuart in "Mary of Scotland," and, in what is regarded as her most brilliant portrayal, Queen Victoria in "Victoria Regina." In what was to become a familiar success story for the actress, the 1935 production of "Victoria Regina" ran 123 weeks on Broadway before touring 43 U.S. cities, where it broke box office records before closing in January, 1939, after 969 performances by its lead. Other stage milestones include "The Wisteria Trees (1950), "The Skin Of Our Teeth" (1955), and "Long Day's Journey Into Night" (1971).

While the stage has been her home, Miss Hayes has made occasional forays into Hollywood, winning critical acclaim for her performance as the Dowager Empress in "Anastasia," in which she co-starred with Ingrid Bergman and Yul Brynner. She received a 1971 Academy Award for best supporting actress in "Airport."

Her radio career dates back to 1930 and includes a 1940 award as the best actress in broadcasting for "Helen Hayes Theatre" on CBS. She has also acted on television. The winner of several acting awards and the recipient of seven honorary degrees, Miss Hayes is known for her encouragement of young people in the theatre. She has also been active in the National Foundation for Infantile Paralysis and is a past president of the American National Theatre Academy and of the American Theatre Wing. Miss Hayes has been a member of the Catholic Actors' Guild of America for 60 years.

The Laetare Medal, traditionally announced on the fourth Sunday of Lent (Laetare Sunday in the Catholic liturgical year), will be presented at an occasion to be announced later.

# New Arts and Letters Major

Beginning next fall, the College of Arts and Letters will offer its students a second major in computer applications. The sequence is designed specifically for Arts and Letters students as a second major to be combined with their particular fields of study. This second major will give students "hands-on" experience with computers in doing research and problem-solving, preparing them for the job market and/or advanced study.

The interdisciplinary major requres each student to complete 24 hours of coursework, beginning with three hours of philosophy. Students will learn FORTRAN and PL1 computer languages in addition to those best suited to their major. Twelve hours of computer programming will follow, then research and problem-solving within the students' respective departments first in elementary application courses and later in advanced application courses or independent study. and the second second second second second

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Prof. C. Lincoln Johnson, director of the Social Science Training Lab and associate professor of sociology and anthropology, is the coordinator of the new program.

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# Faculty and Staff Gifts to the 'Campaign for ND'

TO MEMBERS OF THE UNIVERSITY FACULTY AND STAFF

I want to express my sincere gratitude to all of you who in recent weeks have made pledges in the campus component of The Campaign for Notre Dame. You will be pleased to learn that letters of intent from faculty and staff members totalled \$466,174. Substantial in itself, this response is additionally heartening, for it tells all those yet to be approached--tens of thousands of alumni, parents and friends--of the deep commitment of those at the heart of the University to its future growth and development.

Of course, financial support is only one dimension of commitment to this place, albeit an important one. Each of you, in classroom or office, is making a significant contribution to the work of this University, some for a period of years, some for a lifetime. We are deeply grateful for that kind of commitment, too, which cannot be measured.

On April 23 we shall observe the 100th anniversary of the Main Building in which I write these lines. From the ashes of the great fire of 1879, which virtually destroyed Notre Dame in its 37th year, has emerged the University as we know it today whose future can only be dreamed of. As we mark the centennial, we will thank the good Lord and Our Lady for all the blessings of the past 100 years and ask them for the grace, vision and determination to continue the building of a University with a greatness commensurate with the glorious name it bears.

Devotedly yours in Notre Dame,

Fathers And Gesburgh

(Rev.) Theodore M. Hesburgh, C.S.C. President

# Faculty Rental of Commencement Garb

According to Richard J. Sullivan, registrar, measurements for commencement academic garb for faculty members will be taken on Tuesday, April 24 and Wednesday, April 25 ONLY from 9 a.m. to 4:30 p.m. at the Hammes Notre Dame Bookstore. The rental of a doctorial cap, gown and hood is \$15.50; the cap and gown is \$8.85 and the doctor hood is \$6.65. The rental of a cap, gown and hood appropriate to the master degree is \$13.45; the cap and gown is \$7.85 and the master hood is \$5.60.

# **New Enrollment High**

Enrollment for the spring semester at Notre Dame stands at 8,612, the highest in the history of the 137-year old institution.

Enrolled in the four undergraduate colleges and the Freshman Year program are 5,188 men and 1,568 women. There are 1,255 men and 601 women in the Graduate School, the Law School and the M.B.A. program, resulting in an overall total of 6,443 men and 2,169 women.

Arts and Letters leads all colleges in enrollment with 1,690, followed by 1,632 in Freshman Year, 1,542 in Business Administration, 1,036 in Engineering and 856 in Science.

There are 196 undergraduates studying at overseas campuses, including 77 in two Rome programs, 44 in Innsbruck, Austria, 42 in Angers, France; 10 in Dublin, Ireland; 15 in Tokyo and 8 in Mexico City. Thirty-three members of the Law School's second-year class are enrolled in the London program.

Futher details on enrollment appear in the Documentation section of this Report.

# Memorial Library Hours Easter Holidays

Thursday, April 12 1st & 2nd Floors Tower	8 a.m 5 p.m. 8 a.m10 p.m.
Good Friday, April 13	Building Closed
Saturday, April 14 1st & 2nd Floors Tower	8 a.m 5 p.m. 8 a.m10 p.m.
Easter Sunday, April 15	Building Closed
	1 - 1

Monday, April 16

Libraries return to regular schedule



# Honors

Thomas P. Bergin, dean of continuing education and professor of management, has been appointed to the National Council on the Arts.

Nancy L. D'Antuono, assistant professor of modern and classical languages, has been elected to a two-year term as secretary of the seminar of Italo-Hispanic scholars, Modern Language Association effective Jan. 30. D'Antuono also was invited to chair a section on the Spanish Golden Age of Comedy at the Conference on Comedy in Western Literature and Art, at the University of Alabama, Birmingham on March 16-17.

Fernand N. Dutile, professor of law, has been reelected vice president of the Legal Services Program of Northern Indiana, Inc.

Moira Marti Geoffrion, assistant professor of art, had her work accepted in a national juried exhibit: the 19th National Art Round-Up in the Las Vegas Art Museum in the month of March.

<u>Moses R. Johnson</u>, assistant professor of psychology, has been appointed to a four-year term on the editorial review board of <u>Education and</u> <u>Treatment of Children</u>.

<u>Ralph M. McInerny</u>, Grace Professor of Medieval Studies and director of the Medieval Institute, was named a member of its nominating committee by the Metaphysical Society of America at its meeting on March 15-17 at Manhattanville College, Purchase, N.Y.

<u>Rev. Ernan McMullin</u>, professor of philosophy, has been elected president of the Philosophy of Science Association. Currently the recipient of a Mellon Senior Research Fellowship at the Center for the Philosophy of Science at the University of Pittsburgh, McMullin is also chairing for the second year the Section for History and Philosophy of Science of the American Association for the Advancement of Science. Timothy O'Meara, provost, was awarded the J. Clarence Karcher Lecturer Medal of the University of Oklahoma in Oklahoma City on March 14. In conjunction with the award, O'Meara delivered two lectures the next day: "The Isomorphisms of the Classical Groups," and "Indecomposable Positive Definite Quadratic Forms" to the Conference on Algebra and Ring Theory being held at the University.

<u>Rodolpho Sandoval</u>, associate professor of law, has been awarded a postdoctoral fellowship by the National Chicago Council on Higher Education.

John F. Santos, professor of psychology, has been named a member of Indiana's Intercollege Council on Aging and the Aged.

Donald G. Vogl, associate professor of art, received a "Best in Show" award for an acrylic painting entitled "Overhead-Undersea", on March 3 from the Southern Shores Art Salon 1979, presented by the Gary Artists League, Gary, Ind.

# Activities

Terrence J. Akai, visiting professor of aerospace and mechanical engineering, and <u>Hafiz Atassi</u>, associate professor of aerospace and mechanical engineering, attended the Gas Turbine Conference sponsored by the American Society of Mechanical Engineers, March 11-17, and each presented a paper which they had coauthored: Atassi presented: "Aerodynamic and Aeroelastic Characteristics of Oscillating Loaded Cascades at Low Mach Numbers. Part I: Pressure Distribution, Forces and Moments" and Akai presented: "Aerodynamic and Aeroelastic Characteristics of Oscillating Loaded Cascades at Low Mach Numbers. Part II: Stability and Flutter Boundaries."

Joan Aldous, Kenan Professor of Sociology, was an invited discussant at the Society for Research and Child Development at the March 1979 Biennial Meeting in San Francisco at the session, "Parent-Child and Child-Care Relationship: The Role of Observational Research for Bridging Disciplines." ۲

Harvey A. Bender, professor of biology, spoke on "Genetics, Ethics and Law" at the Medical College of Wisconsin in Wauwatosa, Wisc., on March 20. Bender also conducted a workshop entitled "Nature and Nurture" with John G. Borkowski, professor of psychology, at the Adoptive Life Forum held at the Notre Dame Center for Continuing Education on March 25.

<u>Neal M. Cason</u>, professor of physics, presented a seminar, "Study of K§K§,  $\pi^{\circ} \pi^{\circ}$ , and  $\wedge^{\circ} \wedge^{\circ}$  production at 6-8 GeV/c" at Michigan State University, East Lansing, on Feb. 27.

Brian K. Craig, visiting instructor in architecture, spoke on "Afghanistan-Experiences of an Architect," to the Kiwanis Club of LaPorte, Ind. in LaPorte on Feb. 22.

James M. Daschbach, professor of aerospace and mechanical engineering, gave an invited lecture at the Computer and Industrial Engineering Second Annual Conference held in Chicago on March 14, entitled "Computerized Video Work Measurements."

<u>Robert A. Drevs</u>, instructor in marketing, conducted three seminars for the American Institute of Kitchen Dealers on Feb. 13 - 15 at the Center for Continuing Education. The seminars were entitled: "Marketing Concepts and Strategy," "Consumer Behavior," and "Advertising."

Msgr. John J. Egan, special assistant to the President and director of the Center for Pastoral and Social Ministry, gave some concluding reflections at a National Council of Catholic Bishops workshop on the bishops' "Call to Action" plan in Washington, D.C., March 18-20.

Elisabeth S. Fiorenza, associate professor of theology, lectured on "Women in Early Christianity" and "Woman's Future as a Christian" at a seminar on the theology of woman in the New Testament sponsored by the Calvary Conference on Women and Religion at the University of Calgary, March 3-4. Fiorenza also led a forum on the women's ordination movement in North America at the conference.

Canon Astrik L. Gabriel, director of the Frank M. Folsom Ambrosiana Microfilm and Photographic collection, addressed the Ohio State University Conference on Universities in Transition, 1300-1700 on the "Iconography of Medieval and Reanissance University Life," Feb. 23. He also participated in the discussion on "Universities in Transition: 1300-1700" on Feb. 24.

<u>Moira Marti Geoffrion</u>, assistant professor of art, currently has works represented in the Zaks Gallery in Chicago and is in a two-person exhibition at the South Bend Art Center until April 8

<u>M.V. George</u>, visiting professor of chemistry and scientist in the Radiation Laboratory, presented a seminar entitled "Photochemical Transformations of Sydnones and Related Studies" at the University of Maryland, College Park, Md., on March 15. <u>Arnim Henglein</u>, visiting professor of chemistry and scientist in the Radiation Laboratory, presented a seminar entitled "Reactions of Radicals at Large Molecular Assemblies" at the Solar Energy Research Institute, Denver, Col., on Feb. 26 and at Penn State University, University Park, Pa., on March 8.

Patrick Horsbrugh, professor of architecture, spoke on "LaPorte--An Environic View" to the Kiwanis Club of LaPorte, Ind. in LaPorte on March 8. Horsbrugh also was among those who addressed the Earthday '79 Celebration dinner held at the United Nations in New York on March 21.

<u>Sr. John Miriam Jones, S.C.</u>, assistant provost, addressed the Louisiana Women's Political Caucus on women's roles in society, Jan. 25 in New Orleans.

V. Paul Kenney, professor of physics, presented a seminar "Recent Advances in Particle Physics" to the facultad de ciencias, Universidad Cattolica de Lima, Peru, on Jan.13. He also spoke on "Nuclear Energy: A Troubled Resource" to St. Patrick's Church (morality in science series), Feb. 14, and the Unitarian Fellowship, March 18.

Lloyd H. Ketchum, Jr., assistant professor of civil engineering, was the speaker for the March 15 dinner meeting of the St. Joseph Valley Chapter of the Indiana Society of Professional Engineers, Inc. The talk was entitled "Wastewater Treatment--Research with Local Applications."

Edward A. Kline, director of the Freshman Writing Program and associate professor of English, lectured on "Computer-Aided Review Lessons in English Composition" at the 1979 Annual Convention of the Association for the Development of Computer-Based Instructional Systems in San Diego, Calif., Feb. 27.

<u>Anne Lacombe</u>, associate professor of modern and classical languages, gave a lecture to the Alliance Francaise of South Bend, on Feb. 7, "Meters, Litres and Kilos: History of the Metric Revolution."

<u>Rev. Anthony J. Lauk, C.S.C.</u>, professor emeritus of art, displayed a group of his carvings, stoneware and watercolors at the Artwurks Gallery in South Bend through March 15.

David C. Leege, director of the Center for the Study of Man in Contemporary Society and professor of government and international studies, delivered a paper on "Public Trust and Confidence in Government After Vietnam" at the Hubert H. Humphrey Symposium on "The Vietnam Experience and America Today," Macalester College, St. Paul., March 7.

Anton C. Masin, assistant librarian, gave three lectures on the "Development of Writing and the Alphabetic Invention" for the Latin Day IV Conference held at Notre Dame on March 20. The conference was coordinated by <u>Rev. Leonard N.</u> <u>Banas, C.S.C.</u>, assistant professor of modern and classical languages. Ralph M. McInerny, Michael P. Grace Professor of Medieval Studies and director of the Medieval Institute gave two lectures at Trinity Evangelical Seminary as Distinguished Lecturer at the Fourth Annual Conference of Philosophy of Religion on March 2. His topics were "Kierkegaard: Christianity as Folly and Scandal" and "Thomas Aquinas: the Reasonableness of Faith." On March 4, he spoke on "St. Thomas, Faith and Philosophy" at St. Charles Borromeo College in Cleveland. On March 1, as guest of the Purdue Student Union and the Department of English, he spoke in Lafayette at a Books and Coffee meeting on "Literature and the Mystery Novel." On March 7, he spoke to the Wednesday Club of South Bend on the writing of fiction.

Rev. Ernan McMullin, professor of philosophy, gave two public lectures at St. Thomas More College, Saskatoon, Saskatchewan, Canada, on "Changing Notions of Science" and "Developments in Recent Philosophy of Science," Jan. 22-23. He presented a department colloquium at the University of Calgary on "The Ambiguity of Historicism", Jan. 24. McMullin lectured on "Changing Notions of Science" at Brigham Young University and presented a colloquium on "Galileo as an Innovator" to the science faculty there, Jan. 25-26. McMullin also served as an external evaluator for the Department of Philosophy and Religion at the University of Northern Iowa from Feb. 27 to March 1.

<u>Timothy O'Meara</u>, provost, represented the University in a meeting of 19 university presidents and chancellors with HEW Secretary Joseph A. Califano, Jr. that was held in Washington on March 7 to discuss major campus issues.

Thomas J. Schlereth, associate professor of American studies, was invited to represent scholars in the United States at the First International Conference on Material Culture History, hosted by the Canadian Government and the National Museums of Man. Schlereth addressed a plenary session of the conference on "Material Culture Studies: Historical Research in America," March 3, 1979, at the National Museum of Man, Ottawa, Canada.

Boleslaw B. Szczesniak, professor emeritus of history, has recently researched in the Roman and Florentine archives. He also visited the University of Warsaw, giving two lectures on the "Oral Transmission of Myth and History as the Source of the Early Japanese Historiography," Feb. 1-2.

Laurence R. Taylor, assistant professor of mathematics, gave an invited talk at Berkeley Geometric Topology conference on Jan. 10, entitled "PL Manifolds Are Real Algebraic Varieties."

J.K. Thomas, professor of chemistry, gave an invited talk entitled "Fast Reactions in Micelles" at Wayne State University in Detroit, Mich., on March 7. John P. Thorp, visiting assistant professor of sociology and anthropology and <u>Kenneth E. Moore</u>, associate professor in sociology and anthropology, appeared on the television program, <u>Campus View</u>, from WNDU-TV on March 11 for a discussion of Islam. Thorpe also moderated a discussion on Islam at the First Christian Church of Mishawaka on March 13, as part of the series of discussions concerned with different religious traditions entitled: "The Long Search: Man's Quest for God."

Eduardo E. Wolf, assistant professor of chemical engineering, attended the Sixth North American Meeting of the Catalysis Society held at Chicago, Ill., March 19-22 and presented a paper entitled, "Activity and Selectivity at Pt Single Crystals and Pt Supported Catalysts."

# Deaths

<u>Rev. James E. Norton, C.S.C.</u>, 72, former vice president for academic and for student affairs, March 2.

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# Notes for Principal Investigators

Change of ZIP Code Number for NIH

Principal investigators who interact with any component of NIH in the Bethesda area (Westwood, Landow, Federal, etc.) should note that a new ZIP Code has been assigned. The new number is 20205.

# **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.

# Indiana Academy of Science Research Grants Program

## No. FY79-106

#### Program:

The Indiana Academy of Science considers proposals from Academy members representative of all scientific disciplines. Past grants have reflected the full spectrum of research activities, tending toward support of scientists with limited access to major national funding for whom the modest sums available may permit the initiation or continuation of investigations of potential value.

#### Eligibility:

Members of the Academy in good standing for the preceding year; any graduate or undergraduate student sponsored by an instructor eligible to apply.

#### Stipend:

An average award of approximately \$500. No grant, however worthy, exceeding \$1,500 can be made. Awards near the limit are rare.

## Deadline:

September 15, 1979.

For detailed guidelines and application procedures, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433.

Deutscher Akademischer Austauschdienst German Academic Exchange Service Scholarships for the Special German Studies Program at University of California at Berkeley

# No. FY79-107

#### Program:

An interdisciplinary seminar which will investigate and discuss current German issues and problems in history, politics and economics, education, sciences and culture. The entire course will be given in English; no German is required.

#### Scholarship:

The scholarship includes a tuition waiver, \$500 for living expenses plus an additional travel allowance.

#### Dates and Deadlines:

The Seminar will take place from June 26 to August 2, 1979. Application deadline is April 12, 1979.

#### Eligibility:

Non-German speaking students and young scholars in the sciences and professional fields who are interested in improving their understanding of current developments in the Federal Republic of Germany.

# For Application Forms Contact:

Deutscher Akademischer Austauschdienst German Academic Exchange Service One Fifth Avenue New York, New York 10003

# Deutscher Akademischer Austauschdienst German Academic Exchange Service Special Language Scholarship Program

# No. FY79-108

## Scholarship:

"Learn German in Germany." Fifty Scholarships are offered for German language courses at one of the Goethe Institutes in the Federal Republic of Germany. The scholarship amounts to DM 2.900.- for a two-month language course. It covers tuition, room and partial board; graves will receive DM 700.- to cover additional costs. Travel costs are not included.

# Dates of Courses:

August 29 to October 23 (faculty members only); October 3 to November 29; October 25 to December 21.

### Eligibility:

Faculty and graduate students who are not teaching or studying in the fields of German Language and Literature, Literature, Comparative Literature. Must be U.S. citizen. Must have a basic knowledge of German and should have completed at least one year of college level German by May 1979. Should not have previously studied in a German speaking country and/or been granted a language scholarship. Preference will be given to applicants who demonstrate a need for acquiring a better proficiency in German for their future studies of research.

Deadline: April 12, 1979.

<u>Application Procedure:</u> Write to:

> Deutscher Akademischer Austauschdienst German Academic Exchange Service One Fifth Avenue New York, New York 10003

# Woodrow Wilson School of Public and International Affairs Princeton University Rockefeller Public Service Awards

## No. FY79-109

The Rockefeller Public Service Awards Program, which honors extraordinary achievement in service to the public, seeks nominations for 1979 awards. Five awards of \$10,000 will be given. Individuals to be honored may be involved in a wide range of endeavors - government, private business, non-profit organizations, volunteer work. In honoring extraordinary public service, the program focuses on outstanding work directed toward solving problems of critical importance to the nation.

#### 1979 Problem Areas:

Nominations are sought for persons who have performed outstanding work that contributed to the solution of these problems: Contributing to a more stable and equitable world society; Conserving and developing resources wisely; Increasing the effectiveness and efficiency of state and local governments; Revitalizing communities and neighborhoods; Helping youths become responsible adults; Reducing crime and improving justice; Advancing the health of the American people.

## Eligible Individuals:

Individuals who have made specific and identifiable contributions of major significance in service to the public are eligible. Excluded are those who are holding elective office, are candidates for elective office or are sitting judges. Nominees must be citizens of the United States.

Deadline: May 15, 1979. National Science Foundation-National Institute of Education Research on Cognitive Processes and the Structure of Knowledge in Science and Mathematics

# No. FY79-110

This program supports research aimed at understanding what it means to master a scientific or mathematical topic or skill. In some other programs both NIE and NSF seek results with immediate classroom application. In this program, the two agencies are investing in the future of education by asking that researchers investigate the structure of some important aspect of scientific or mathematical knowledge, or that they elucidate the cognitive processes involved in learning some scientific or mathematical concept. Such research is expected to provide a more scientific foundation for science and mathematics education and a clearer understanding of what we wish students to learn and how such learning may be facilitated.

# National Science Foundation Public Service Science Residencies

# No. FY79-111

The objectives of the Public Service Science Residencies program are:

- to increase the knowledgeable participation of scientists and citizens in resolving major issues of public policy that involve science and technology;
- to make scientific and technical assistance available to citizens and their organizations and representatives, at the times and in the ways most useful to them; and
- to encourage scientists and engineers to participate in public service activities as an important adjunct or alternative to traditional scientific and academic pursuits.

Public Service Science Residencies are intended to allow working scientists and engineers to undertake up to a year's activities in association with organizations of citizens in need of their expertise. In conjunction with their host organizations, residents must design a specific project or program of activities directed at helping citizens who normally lack access to scientific and technical assistance.

Residents' activities may be undertaken on a part-time or full-time basis. The activities should make specific use of the residents' scientific and technical expertise. They should help the public, as well as the particular constituencies of the host organization, to reach informed decisions and to participate effectively in the policymaking process on issues involving science and technology that have a direct impact on their lives. The results of the activities should be broadly and impartially disseminated, so as to reach the widest interested audience.

Applications may be submitted either by individuals who have identified an appropriate host organization, or by organizations that have identified a particular scientist or engineer desiring to serve as a resident. In either case applications should be submitted for a specific individual, whose qualifications will be evaluated as part of the review process. Organizations may wish to get in touch with colleges and universities and other local sources of scientific expertise to identify potential candidates.

Appropriate host organizations include community groups, public interest organizations, professional or trade associations and trade unions, units of state and local government, educational institutions (such as a public library, museum or college with a community outreach program) or other organizations which: (1) are operated primarily for scientific, educational, service, charitable or similar purposes in the public interest; (2) are not organized primarily for profit; and (3) use all income exceeding costs to maintain, improve and/or expand their operations. Applications from or on behalf of persons proposing to continue their association with an office or program in which they are currently employed will not be accepted.

Whether submitted by an individual or an organization, the project plan should be developed with the cooperation of both parties in order to insure that: (1) the resident's skills and knowledge are suited to the project; (2) the project meets the needs of the host organization and its constituencies; and (3) adequate dissemination and follow-up activities will be undertaken.

# National Endowment for the Humanities Youth Projects

# No. FY79-112

Administered by the National Endowment's Office of Youth Programs, NEH Youth Projects are designed to encourage new and challenging out-of-classroom opportunities for young people to develop their knowledge and skills in the humanities.

Youth Project is an experimental program now in its second year of funding. During the program's first year, 18 NEH Youth Project grants have been awarded. They represent a variety of program ideas, a range of activities and a cross-section of the country's youth population.

Department of Justice National Institute of Law Enforcement and Criminal Justice Comparative Criminal Justice Research on the Processing of the Adult Female Offender

# No. FY79-113

Among the prospective studies earmarked for funding consideration in the National Institute's Program Plan is:



A study to begin to identify and examine key issues relating to women offenders from the time of arrest through court processing and correctional treatments to probation or parole release and follow-up. This brief overview or studies of the criminal justice process indicates that research efforts have been selectively focused and non-systemic. Thus, various stages of criminal justice procedure have been repeatedly studied whereas other stages have been neglected.

Another problem is that a wide range of methodologies has not characterized research efforts. "Comparative" criminal justice research includes studies of temporal or spatial variation in the processing of the adult female offender, retrospective and prospective studies of the processing of cohorts of men and women and studies which compare the processing of various female sub-groups (e.g. Hispanic women, Indian women, Black women) through the justice system. The background review of the research literature indicates that only a few of these methodologies have been applied to the study of women. One other problem with the available studies is that important factors (e.g., type of offense, prior criminal record) often have not been controlled. As a result of the numerous shortcomings, certain research findings are of dubious value and reliability. But a more fundamental consequence is that a dearth of knowledge characterizes the subject of sex discrimination in the administration of justice. Little is known about the quality of treatment accorded women by the police, the significance of the ethnic or racial factor in the processing of women, the plea bargaining process as it affects women, the evenhandedness of probation policies and parole revocation practices or the impact of recent determinate sentencing legislation on women before the bar of justice. These examples are illus-trative of some of the knowledge gaps in the study of the adult female offender and point to the need for further research.

# The Lafayette Board of Parks and Recreation Fine Arts and Crafts Show

No. FY79-114

The Lafayette Board of Parks and Recreation is planning a fine arts and craft show this summer. Booth space is 10 ft. by 6 ft. There is no charge.

Interested Artists Should Contact:

Board of Parks and Recreation c/o Miss Judy Davis 1915 Scott Street Lafayette, Indiana 47904

Specify art/craft specialty.

# Merchants National Bank **Opportunities for Artists**

## No. FY79-115

## Program:

The Merchants National Bank, Indianapolis, is administering a trust which provides an opportunity for young Indiana artists between the ages of 22-35 who have maintained a studio for two years. The artists will be considered for commissions of portrait paintings.

Interested Artists Should Write to:

Mr. Paul West Trust Department Merchants National Bank 1 Merchants Plaza Indianapolis, Indiana 46204

# Attorney General of Indiana Public Health Trust Indiana University School of Medicine Solicitation of Proposals

# No. FY79-116

#### Program:

The Advisory Board of the Indiana Public Health Trust is inviting applications from qualified investigators in the State of Indiana.

The Trust was established for the support of research involving substance abuse, public health and medicine, as well as providing scholarships for medical and paramedical students.

### Deadline:

Completed proposals must be received no later than June 29, 1979.

Proposal forms and guidelines may be obtained from:

Mr. Michael V. Ney Attorney General of Indiana Public Health Trust Indiana University School of Medicine 1100 West Michigan Street Fesler Hall, Room 318 Indianapolis, Indiana 46223

# National Institute of Education Grants for Research on Law and Government in Education

# No. FY79-117

The National Institute of Education (NIE) has announced a program of support for research on Law and Government in Education. The program will support studies of how legislative, administrative and judicial policies and governmental organizations affect education. The focus will be upon intergovernmental relations and issues raised by Federal and state policy, particularly issues of equity in education.

Two kinds of grants will be awarded. Small grants will be limited to a maximum of \$10,000 in direct costs, and to twelve months duration. Major grants, i.e., all grants other than small grants, will support projects up to three years in duration. Funds for such projects will be awarded an annual increments.

An applicant for a major grant must submit a prelimi-nary proposal for review. NIE will return to the applicant an indication of the standing of the preliminary proposal among those reviewed and will discuss its major strengths and weaknesses. A full proposal may be submitted only after NIE has considered the preliminary proposal. An applicant for a small grant must submit only a single, brief proposal.

Although proposals will be received by NIE at any time, they will be reviewed only at specified times. They will be evaluated by NIE professional staff and outside experts. Final decisions will be made by NIE.

Schedule of due dates: Small grants:

August 2, 1979 and October 18, 1979 Major grants: Preliminary proposals are due October 18, 1979

# National Science Foundation **Cooperative Programs** with Bulgarian Scientists

## No. FY79-118

NSF's International Programs Division is encouraging U.S. scientists in contact with Bulgarian colleagues to make short term visits to that country in order to develop research projects. The first agreement on scientific and technological cooperation between the U.S. and the People's Republic of Bulgaria, signed Feb. 9, 1978, provides opportunities for the exchange of scientific information, ideas, skills and techniques. For further information, contact the East European Cooperative Science Program, NSF, (202) 632-5756.

# National Science Foundation Other Cooperative Science Programs

No. FY79-119

Proposals for the following cooperative science programs may be submitted at any time of the year:

- East European Cooperative Science. Contact Charles Zalar or Deborah L. Wince, Division of International Programs, (202) 632-5756.
- U.S.-Australia Cooperative Science. Submit 7 months prior to desired start date. Contact: Dr. Alan Milsap, Division of International Programs, (202) 632-5806.
- U.S.-East Asia (Indonesia, Malaysia, the Philippines, Singapore, Thailand) Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs, (202) 632-5782.
- U.S. Egypt Cooperative Science. Contact: Dr. Selim Selcuk, Division of International Programs, (202) 632-4342.
- U.S.-India Cooperative Science. Contact: Dr. Osman Shinaishin, Division of International Programs, (202) 632-4342.
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs, (202) 632-5782.

# National Science Foundation Grants for Doctoral Dissertation Research

## No. FY79-120

NSF awards grants in support of doctoral dissertation research in the environmental, behavioral, neural and social sciences as well as earth sciences, atmospheric sciences and oceanography-in order to improve the overall quality of dissertation research in these sciences. The grants allow doctoral candidates opportunities for greater creativity in the gathering and analysis of data than would otherwise be possible.

Proposals may be submitted by universities on behalf of doctoral candidates for the support of dissertation research in systematic, environmental and population biology; in the social sciences, including science policy; neurosciences, psychological sciences, anthropology and linguistics; and in atmospheric, earth and ocean sciences.

Proposals should be submitted by the dissertation advisor, department chairman or chairman of the departmental committee on doctoral degrees. They may be submitted at any time. Approximately 4 to 6 months are required for processing an application. Inquiries regarding support should be addressed to the appropriate Division of the NSF: Environmental Biology, Behavioral and Neural Sciences, Social Sciences, Atmospheric Sciences, Earth Sciences and Ocean Sciences.

# National Science Foundation International Science Travel Grant Program

# No. FY79-121

The National Science Foundation makes international travel awards to enable U.S. scientists to participate in international scientific meetings held abroad for the purposes of (1) obtaining and exchanging science information and (2) professional development. Neither travel to Canada nor travel to any U.S. Trust Territory or possession (including Puerto Rico) will be supported under this program. A U.S. Scientist is any recognized member of the U.S. scientific community, irrespective of nationality, who performs work in the U.S.

Two types of travel awards are made in this program-group travel awards and individual travel awards. Group awards are in the form of grants to institutions. Individual awards are in the form of U.S. Treasury checks. In both categories the amount of travel support will not exceed the cost of jet-economy air travel.

All proposals for group awards and individual applications which are received by the National Science Foundation on or before the beginning of a quarter (January 1, April 1, July 1 or October 1) will be processed together. In order to assure sufficient lead time for implementation in the event of an award, individual applications should be submitted at least one quarter in advance of the quarter in which the proposed travel is to take place. Group travel proposals should be submitted at least three quarters in advance of the proposed travel.

# National Science Foundation Research in Information Science

## No. FY79-122

The National Science Foundation supports basic and applied research in information science to advance understanding of the properties and structure of information and to contribute to the store of scientific knowledge applicable to the design of information processing systems. In the selection of projects to be supported, preference is given to research which is fundamental and general and to applied research which is concerned with scientific and technical information rather than, for example, business information or mass communication. The development of hardware is beyond the scope of this program, as also are projects to develop, implement or evaluate information systems except for the purpose of generalization beyond the particular information systems involved. In general, it is expected that awards will range from two months' salary support for one person plus associated costs to a maximum project cost of \$150,000 per year.

Research proposals in four specific categories are considered by the Foundation:

- \* Standards and Measures.
- \* Structure of Information.
- \* Behavioral Aspects of Information Transfer.

\* Infometrics.

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A proposal may address problems which involve more than one of these categories. Proposals which address problems outside these categories but are consistent with the objectives and priorities of this announcement will also be considered.

In order to enhance the development of information science and contribute to the scientific vitality of the field, the Division of Information Science and Technology has established Special Research Initiation Awards for new investigators in information science as part of its program of research support. Special Research Initiation Awards will be offered only to principal investigators who (1) will, by the beginning of their award, have earned a doctoral degree in a field related to information science, including the information, computer, cognitive and mathematical sciences, linguistics and electrical engineering, and (2) will have held the doctorate for no more than 5 years as of April 15, 1979.

Applicants must apply for an award of either one or two years' duration. Awards are not expected to exceed one person-year of professional salary plus associated costs and project expenses.

Proposals must be submitted by April 15, 1979. They will be reviewed and competitively evaluated separately from other research proposals by a special panel of scientists. Selection of awardees will be made, and applicants will be notified by letter of decision on or about June 15, 1979.

A research proposal should describe (i) the objectives and scientific significance of the proposed research, (ii) the methodology proposed and its suitability, (iii) the qualifications of the investigator(s) and the proposing organization, and (iv) the level of support required to perform the research. It should be selfcontained and written with the care and thoroughness accorded papers prepared for publication.

Research proposals may be submitted to the Foundation at any time. Applicants should allow 6 to 8 months between proposal submission and the anticipated project starting date.

# Law Enforcement Assistance Administration Comparative Research on the Organization of State Court Systems

## No. FY79-123

LEAA's National Institute of Law Enforcement and Criminal Justice has announced a research program whose purpose is two-fold: 1) to examine the theoretical viability of a centralized system of state court administration in light of modern organizational theory and of the role and functions of courts, and (2) to begin to determine the empirical consequences of state court unification.

The announcement asks for the submission of proposals to plan the study. It is expected that two awards of approximately \$60,000 each will be made for a nine month planning period. The research group that produces the better plan will be eligible for a second grant in FY'80 of approximately \$400,000 to carry out a two year follow-on study. The announcement sets out the objectives of the studies, indicates the application procedures and specifies the selection criteria. Proposals received in response to this solicitation will be reviewed by a peer review panel in accordance with the criteria set forth in the solicitation. It is anticipated that both planning grants will be awarded in August with work to begin in September 1979.

# United States Department of the Interior Office of Water Research and Technology

No. FY79-124

The Office of Water Research and Technology (OWRT) will consider for FY 1979 funding, research and development proposals relating to Water Reuse and Saline Water Conversion, and research proposals for Water Conservation and Water Problems of Urbanizing Areas.

As a preliminary step and to avoid unnecessary paperwork and expense, OWRT encourages the submittal of preproposal statements summarizing proposed research or development. These preproposal statements will be informally reviewed by OWRT and you will be advised whether submittal of a detailed proposal is encouraged. A notice of non-interest will not, however, preclude the submittal of a formal proposal. Preposals should not exceed four pages and should be submitted in triplicate.

In addition to these primary areas of interest, OWRT will also consider problem-oriented research proposals offering innovative ideas of concepts for: (1) design improvement and increased efficiency of non-structural methods of flood control; (2) socio-economic impacts of water diversions to energy development; (3) institutional problems of groundwater management; and (4) water management planning procedure methods. Up to \$500,000 is expected to be committed to these innovative concepts with typical projects expected to range between \$30,000 - \$100,000 each.

Proposals may be submitted to OWRT at any time. However, to allow adequate time for review, selection and "cessary grant or contracting actions, initial selecuon for FY 1979 funding will be made from formal proposals received in OWRT by May 1, 1979. Proposals submitted by members of the academic community will be transmitted to OWRT through the appropriate State Water Resources Research Institute.

Deserving preproposals and proposals which are not funded in the current fiscal year may be held by OWRT for further consideration in future fiscal years. If future selection appears likely, the proposer will be requested to update the proposal information and costs to reflect changed conditions.



# **Current Publications** And Other Scholarly Works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

#### American Studies

Schlereth, Thomas J.

T.J. Schlereth. 1979. Introductory essay. Pages 13-32 in, A.J. Hope, ed. Notre Dame: One Hundred Years, Icarus Press, South Bend, Indiana. Weber, Ronald

R. Weber. 1978. Some sort of artistic excitement. Pages 98-127 in, R. Atwan, et. al. eds. American Mass Media: Industries and Issues. Random House, New York, New York.

#### English

Kline, Edward A.

E.A. Kline. 1979. Computer-aided review lessons in English composition. Pages 738-752 in, Proceedings of the Annual Convention of the Association for the Development of Computer-Based Instructional Systems, San Diego.

## General Program of Liberal Studies

Lyon, John J.

J.J. Lyon. 1979. Review of Eric Voegelin's From Enlightment to Revolution. Historical Magazine 48(1):123-124.

#### Government and International Studies

Leege, David C.

D.C. Leege. 1978. Review of Elisabeth Crawford and Normal Perry's Demands for Social Knowledge: The Role of Research Organizations 72(4):1454-1455.

Modern and Classical Languages

Cervigni, Dino S.

D.S. Cervigni. 1979. Review of Gene Brucker's The Civic World of Early Renaissance Florence. <u>The Re</u>view of Politics 41(1):155-157.

#### Philosophy

- McMullin, Ernan E. McMullin. 1978. Philosophy of science and its rational reconstructions. Pages 221-252 in, G. Radnitzky and G. Andersson, eds. Progress and Rationality in Sciences. Dordrecht, Netherlands. E. McMullin. 1979. Report on the ideological and
  - theological debate about science. Anticipation 25:5-8.

#### SCIENCE

# Biology

Greene, Richard W.

D.F. Spencer, R.W. Greene, H.Y. Yeung and Q.E. Ross. 1978. A study of the relationship between phytoplankton abundance and trace metal concentrations in eutrophic Lake Charles East, using correlation techniques. Proceedings of the Indiana Academy of Science 87:204-212.

## Chemistry

# Almgren, Mats

\*M. Almgren, F. Grieser and J.K. Thomas. 1979. Dynamic and static aspects of solubilization of neutral arenes in ionic micellar solutions. Journal of the American Chemical Society 101(2):279-291. Fessenden, Richard W.

\*H. Shimamor : R.W. Fessenden. 1979. The temperature dependence of electron attachment to  $N_2O$  in the gas phase. Journal of Chemical Physics 70(3): 1137-1141.

Funabashi, Koichi

\*K. Funabashi and W.H. Hamill. 1979. The role of electron-phonon interaction and non-Gaussian transport in spectral changes of trapped electrons in glasses. Canadian Journal of Chemistry 57(2):197-206.

Hamill, William H.

\*K. Funabashi and W.H. Hamill. 1979. The role of electron-phonon interaction and non-Gaussian transport in spectral changes of trapped electrons in glasses. Canadian Journal of Chemistry 57(2):197-206.

Thomas, J. Kerry

\*M. Almgren, F. Grieser and J.K. Thomas. 1979. Dynamic and static aspects of solubilization of neutral arenes in ionic micellar solutions. Journal of the American Chemical Society 101(2):279-291.

\* Under the Radiation Laboratory

### Mathematics

Connolly, Francis X.

F.X. Connolly and B. Williams. 1978. Embeddings up to homotopy type and geometric suspensions of mani-folds. <u>The Quarterly Journal of Mathematics</u> 29 (116):385-401.

Taylor, Laurence R.

L.R. Taylor and E.K. Pedersen. 1978. The wall obstruction for a fibration. American Journal of Mathematics 100:887-896.

Williams, Bruce

F.X. Connolly and B. Williams. 1978. Embeddings up to homotopy type and geometric suspensions of manifolds. The Quarterly Journal of Mathematics 29 (116): 385-401.

Bishop, James M. J.W. Lamsa, W.D. Shephard, J.M. Bishop, N.N. Biswas, N.M. Cason, P.D. Higgins and V.P. Kenney. 1978. Inelastic diffractive-dissociation cross section in  $\pi$ -p interactions at 200 GeV/c. Physical Review D18:3933-3938.

Physics

P.D. Higgins, W.D. Shephard, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, et. al. 1979.  $\rho^o$  production in  $\pi^-p$  interactions at 100, 200 and 360 GeV/c. Physical Review D19:65-75.

P.D. Higgins, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, W.D. Shephard, et. al. 1979. Study of  $\Delta^{++}$  production in  $\pi^-$ p interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19:65-75.

Biswas, Nripendra N.

- J.W. Lamsa, W.D. Shephard, J.M. Bishop, N.N. Biswas, N.M. Cason, P.D. Higgins and V.P. Kenney. 1978. Inelastic diffractive-dissociation cross section in  $\pi$ -p interactions at 200 GeV/c. <u>Physical Review</u> D18:3933-3938.
- P.D. Higgins, W.D. Shephard, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, et. al. 1979.  $\rho^{o}$  production in  $\pi$ -p interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19:65-75.
- P.D. Higgins, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, W.D. Shephard, et. al. 1979. Study of  $\Delta^{++}$  production in  $\pi$ -p interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19:65-75.
- Cason, Neal M.
  - J.W. Lamsa, W.D. Shephard, J.M. Bishop, N.N. Biswas, N.M. Cason, P.D. Higgins and V.P. Kenney. 1978. Inelastic diffractive-dissociation cross section in  $\pi$ -p interactions at 200 GeV/c. <u>Physical Review</u> D18:3933-3938.
  - P.D. Higgins, W.D. Shephard, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, et. al. 1979.  $\rho^{o}$  production in  $\pi$ -p interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19:65-75.
- P.D. Higgins, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, W.D. Shephard, et. al. 1979. Study of  $\Delta^{++}$  production in  $\pi$ -p interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19:65-75.
- Kenney, V. Paul
  - J.W. Lamsa, W.D. Shephard, J.M. Bishop, N.N. Biswas, N.M. Cason, P.D. Higgins and V.P. Kenney. 1978. Inelastic diffractive-dissociation cross section in  $\pi$ -p interactions at 200 GeV/c. <u>Physical Review</u> D18:3933-3938.
  - P.D. Higgins, W.D. Shephard, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, et. al. 1979.  $\rho^{o}$  production in  $\pi$ -p interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19: 65-75.
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Ruchti, Randal C.

- P.D. Higgins, W.D. Shephard, N.N. Biswas, J.M. Bishop, R.L. Bolduc, N.M. Cason, V.P. Kenney, R.C. Ruchti, et. al. 1979.  $\rho^{o}$  production in  $\pi^{-}p$  interactions at 100, 200 and 360 GeV/c. <u>Physical Review</u> D19: 65-75.
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Shephard, William D.

J.W. Lamsa, W.D. Shephard, J.M. Bishop, N.N. Biswas, N.M. Cason, P.D. Higgins and V.P. Kenney. 1978. Inelastic diffractive-dissociation cross section in  $\pi$ -p interactions at 200 GeV/c. <u>Physical Review</u> D18:3933-3938.

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#### ENGINEERING

#### Aerospace and Mechanical Engineering

Daschbach, James M.

J.M. Daschbach, K.L. Walker and J.C. Armstrong. 1979. Task test suggests male = female. <u>Indus-</u> <u>trial Engineering</u> 11(3):41-45. Slovisky, John A.

J.A. Slovisky, W.B. Roberts and J.E. Crouse. 1979. High speed smoke visualization for the determination of cascade shock losses. Pages 1-10 in, 17th Aerospace Sciences Meeting, New Orleans, Louisiana.

#### Architecture

- Horsbrugh, Patrick
  - P. Horsbrugh. 1978. Geospace: The concept and definition of subterranean accommodation. Pages 155-160 in, T. Stauffer, ed. Underground Utilization: A Reference Manual of Selected Works. University of Missouri.
  - P. Horsbrugh. 1979. Geospace, Geotecture and Geopolitan Planning. Underground Utilization: A Reference Manual of Selected Works, Volume 7. University of Missouri.

#### BUSINESS ADMINISTRATION

#### Accountancy

Campbell, David R.

- D.N. Ricchiute and D.R. Campbell. 1979. A need to bring educators and practitioners together. <u>The</u> CPA Journal 49(3):35-39.
  D.R. Campbell, J.F. Gaertner and R.P. Vecchio. 1979.
- D.R. Campbell, J.F. Gaertner and R.P. Vecchio. 1979. A multivariate-correlational investigation of differences between accounting faculty activities for promotion and tenure. Pages 270-276 <u>in</u>, Proceedings of the 1979 Southwest Regional Meeting of the American Accounting Association.
- Gaertner, James F.
  - J.F. Gaertner and N.G. Rueschoff, et. al. 1979. The Internationalization of Accounting Curriculum. American Accounting Association. 4 pp.
  - D.R. Campbell, J.F. Gaertner and R.P. Vecchio. 1979. A multivariate-correlational investigation of differences between accounting faculty activities for promotion and tenure. Pages 270-276 in, Proceedings of the 1979 Southwest Regional Meeting of the American Accounting Association.
- Misiewicz, Kevin M.

K.M. Misiewicz. 1979. The role of Lexis in tax research. <u>The CPA Journal</u> 49(2):23-28.

Ricchiute, David N.

D.N. Ricchiute and D.R. Campbell. 1979. A need to bring educators and practitioners together. <u>The</u> <u>CPA Journal</u> 49(3):35-39. Rueschoff, Norlin G.

J.F. Gaertner and N.G. Rueschoff, et. al. 1979. The Internationalization of Accounting Curriculum. American Accounting Association. 4 pp.

#### Management

Hosomatsu, Yasu

Y. Hosomatsu. 1978. Zero sum condition: A necessary and sufficient condition for a transitive voting system. Journal of Economic Theory 18(2): 294-300.

Thompson, Kenneth R.

P.E. Pitts and K.R. Thompson. 1979. Making quantified evaluation systems work for you. Supervisory Management 24(2):24-32.

Vecchio, Robert P.

D.R. Campbell, J.F. Gaertner and R.P. Vecchio. 1979. A multivariate-correlational investigation of differences between accounting faculty activities for promotion and tenure. Pages 270-276 in, Proceed-ings of the 1979 Southwest Regional Meeting of the American Accounting Association.

#### Marketing Management

Pitts, Robert E. R.E. Pitts and K.R. Thompson. 1979. Making quantified evaluation systems work for you. Supervisory Management 24(2):24-32.

Stock, James R.

D.M. Lambert, J.F. Robeson and J.R. Stock. 1978. An appraisal of the integrated physical distribution management concept. <u>International Journal of</u> Physical Distribution and <u>Materials Management</u> 9 (1):74-88.

### ARCHIVES

Spencer, Thomas T.

T.T. Spencer. 1978. Labor is with Roosevelt: The Pennsylvania labor non-partisan league and the election of 1936. Pennsylvania History 46(1):3-16

## LAW

Postlewaite, Philip F. P.F. Postlewaite. 1978. Timber capital gains - the option rule of section 631(b). Timber Tax Journal 14:113-132.

### MEMORIAL LIBRARY

Deffenbaugh, James T.

J.T. Deffenbaugh. 1978. Three classification schemes for use in a Judaeo-Christian theological library: A comparative study. Resources in Education ED 157 524.

Masin, Anton C.

A.C. Masin. 1979. The great flute series - Chester-ton, Beerbohm and Gould. <u>The Chesterton Review</u> 5 (1):42-47.

### RADIATION LABORATORY

Carmichael, Ian

I. Carmichael. 1979. Response to parity and differentiability restrictions on the electric field dependence of the mobility of charged particles in gases and liquids. Journal of Chemical Physics 70(3):1576.

Grieser, Franz

M. Almgren, F. Grieser and J.K. Thomas. 1979. Dynamic and static aspects of solubilization of neutral arenes in ionic micellar solutions. Journal of the American Chemical Society 101(2):279-291.

Paul, Henning

H. Paul. Rate constants for self- and cross- termination of transient radicals by modulation electron spin resonance spectroscopy. Journal of Physical Chemistry 82(25):2754-2756.

Shimamori, Hiroshi

H. Shimamori and R.W. Fessenden. 1979. The temperature dependence of electron attachment to N<sub>2</sub>O in the gas phase. Journal of Chemical Physics 70(3): 1137-1141.

# **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		
	Bureau of Mines Foundation's Fund for Research in Psychiatry	Research Senior Fellowships for Advanced Research	May May	15, 1,	1979 1979	
•	Geological Survey	Geological Research	May	15,	1979	
	National Science Foundation	Climate Dynamics Program	May	1,	1979	
	National Science Foundation	Earth Sciences Project Support	May	1,	1979	
	National Science Foundation	Ethics and Values in Science and Technology (preliminary)	May	1,	1979	
	National Science Foundation	Science for Citizens	May	11,	1979	
	Public Health Service	Commissioned Officer Student Training and Extern Program	May	1,	1979	
	Public Health Service	National Health Service Corps Scholarships	May	1,	1979	
	Society of Sigma Xi	Grants-in-Aid of Research	May		1979	
	Weizmann Institute of Science	Postdoctoral Fellowship Program	May	15,	1979	



# Memo on Faculty Recommendations

**Faculty Award** 

Dear Faculty Colleagues:

A popular and prestigious annual award given within the University is the Faculty Award. Established back in the 1927-28 academic year by the Alumni Association, this Faculty Award singles out that faculty member who, in the opinion of his colleagues, has contributed outstanding service to the University of Notre Dame.

Each year a selection committee composed of prior winners and representing the undergraduate colleges and the Law School studies the recommendations submitted by former recipients of this award, by the deans, and by individual faculty members. The 1978-79 Faculty Award winner will be honored at the President's Dinner on Tuesday, May 22.

I cordially invite the faculty to participate in the selection process to honor one of our colleagues. I suggest that you address such recommendations to me, giving reasons in two or three paragraphs why you feel that your candidate is worthy of this award. Such correspondence should reach me on or before 5 p.m. Friday, April 20. The selection committee will meet shortly thereafter to study all recommendations and select the 1979 winner.

Sincerely,

William M. Burke Assistant to the Provost

Faculty Award Winners (Active)

1963-64	Raymond Gutschick			1972-73	Rev. Ernan McMullin
1964-65	Matthew Fitzsimons		S	1973-74	Robert E. Rodes, Jr.
	Rev. Charles E. Sheedy,	C.S.C.		1974-75	Herbert E. Sim
1968-69	Bernard Waldman			1975-76	H. Ronald Weber
1970-71	Thomas Stritch		1	1976-77	Walter Miller
1971-71	Ernest Sandeen			1977-78	J. Philip Gleason
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# Reinhold Niebuhr Award

Dear Faculty Colleagues:

Rev. Theodore M. Hesburgh, C.S.C., and Chancellor Willy Brandt were the first recipients of Reinhold Niebuhr awards sponsored by friends of the Protestant theologian and author. Receiving this award in September 1972 at ceremonies at Union Theological Seminary in New York City, Father Hesburgh announced the establishment of a Reinhold Niebuhr award at the University of Notre Dame. This award is made annually to a student, faculty member, or administrator whose life or writings promote or exemplify the lifelong theological and philosophical concerns of Reinhold Niebuhr, particularly in the area of social justice in modern life. The initial award to Father Hesburgh was \$5,000. This he turned over to the Notre Dame endowment to underwrite an annual cash award of \$250 for the winner of this campus honor. Msgr. John Egan was the first recipient of the Reinhold Niebuhr award given at the President's Dinner in May 1973. Other winners have been CILA, 1974; George N. Shuster, 1975; Rev. Louis Putz, C.S.C., 1976; Mr. and Mrs. Arthur Quigley, 1977; and Thomas F. Broden, 1978.

To be certain that all worthy candidates are considered, the selection committee will welcome written nominations for the 1979 award by members of the Notre Dame Family. These nominations are due in my office by 5 p.m. Friday, April 20. I know that the committee would be most appreciative if you would write two or three paragraphs stating the reasons why you feel the candidate you sponsor should be considered for this award. The 1978-79 Reinhold Niebuhr Award winner will be honored at the President's Dinner on Tuesday evening, May 22.

Most sincerely,

William M. Burke Assistant to the Provost

# Grenville Clark Award

Dear Faculty Colleagues:

On Oct. 20, 1978, Father Hesburgh was one of three recipients of the Grenville Clark Prize, an award given every three years by the Grenville Clark Fund at Dartmouth College. The initial winner was Jean Monnet of France in 1975.

Following the procedure established when he won the Reinhold Niebuhr award in 1972, Father Hesburgh donated the \$5,000 Clark stipend to the Notre Dame endowment to underwrite a cash award of \$250 to be given each year to that member (members) of the Notre Dame family who most closely emulates these guidelines:

The Grenville Clark Award is to be made annually to a faculty member, administrator or student whose voluntary activities serve to advance the causes of peace and human rights to which Grenville Clark devoted his extraordinary life of public service.

The faculty is urged to participate in selecting the winner of this Clark Prize. Nominations are due in my office before 5 p.m. Friday, April 20. The University selection committee will welcome your comments as to why your candidate is eligible for this award. The 1979 winner will be announced at the President's Dinner on Tuesday, May 22.

Sincerely,

William M. Burke Assistant to the Provost

# Faculty Senate Journal February 13, 1979

At 7:40 p.m. the chairman, Prof. Vincent P. DeSantis, called the meeting to order in Rm. 202 of the Center for Continuing Education and asked Prof. Mary K. Tillman to offer the prayer. The Journal for Jan. 22, 1979 was approved following two minor modifications by DeSantis and objections from Profs. Robert L. Irvine and A. Murty Kanury to a statement of criticism directed at the Committee on Faculty Affairs in regard to its progress on a salary comparison study. Irvine and Kanury argued that the criticism was in-appropriate on the grounds that the salary comparison charge had not been accepted by the FAC because its members had decided to emphasize issues which, in their opinion, were of greater importance.

In presenting the Chairman's Report, DeSantis noted that the apparent conflict between statements in the Faculty Handbook and the application form dealing with the facultystaff tuition scholarship benefit had been resolved since its presentation to the senate on Jan. 22. DeSantis read excerpts from a letter to himself from Robert E. Gordon, vice president for Advanced Studies, in which Gordon related that steps are being taken to replace the first paragraph on the application with the following:

Eligible applicants are reminded that the accumulation of 30 hours toward a master's degree at the rate of 3 credit hours per semester does not constitute a valid Notre Dame graduate program. Degree aspirants must be admitted to the degree program prior to their enrollment and must meet the residency and other requirements of the program to which they have been admitted.

DeSantis continued by quoting Gordon as having assured him that "there was certainly no intention to imply that credits earned under the tuition benefit, provided they are relevant to the degree program, cannot be counted toward a degree program." All correspondence relating to the clarification of the wording in question, DeSantis concluded, has been forwarded to James G. Neal and Katharina J. Blackstead for transmittal to the library faculty.

Continuing with his report, DeSantis observed that Prof. Paul F. Conway and he were still in the process of preparing an information statement regarding the various ramifications of the social security cutoff level for Notre Dame faculty. DeSantis invited Conway to address the senate with an interim explanation intended to demonstrate various complexities encountered in generating the document in question. Conway complied, and the membership agreed that the task at hand was indeed difficult, but would prove, upon completion, to be of significant benefit to the faculty.

A discussion dealing with the regrettable nondisclosure of salaries of Notre Dame, the resulting inequities, and the potential reaction of the administration to the social security explanation statement, followed.

In-response to Irvine's request that the senate have the opportunity to examine the social security document prior to its March 13 meeting, DeSantis replied that he would attempt to have it ready for distribution with the next journal/agenda mailout.

In concluding his report, DeSantis noted that the University had not, as yet, made a decision regarding the possible protection of 1979-82 retirees, but that based on a recent conversation with the provost, he still expected a timely decision on the matter.

The meeting was recessed at 8:30 p.m. and reconvened at 8:42 p.m.

Speaking for the Committee on Administration, Prof. Michael J. Francis reported that his committee had no outstanding charges, but that it did intend to investigate the academic ombudsman issue.

DeSantis inquired as to whether the committee had any information in regard to the University's present position vis-à-vis affirmative action. Prof. Dolores Frese asked Francis to provide, if possible, further information concerning the investigation of the University by the Department of Labor.

Francis replied that his committee had investigated neither matter to any depth.

Speaking for the Committee on Faculty Affairs, Irvine announced that he had called a meeting for Feb. 15, at which time he would discuss the summarized results of the "excellence at Notre Dame" questionnaire, attempt to determine the best method by which to present these results to the full senate, develop a list of questions to be asked of the entire faculty, and formulate a questionnaire regarding salary by department and rank.

Irvine continued to report that, in response to an inquiry from a senator regarding the 10 per cent faculty discount extended by the bookstore, he had been informed that, as of September 1978, faculty children have not been allowed to avail themselves of this benefit Because of a history of the abuse of the discount privilege, only faculty members or their spouses would be permitted to purchase bookstore merchandise on a discount basis.

Prof. David J. Cohn next requested that the FAC investigate the accessibility of basketball tickets to new faculty members, and indicated that it was his impression that newly hired faculty had little if any chance of obtaining season tickets. Irvine responded that he would look into the matter and report his findings to the senate.

Prof. Albert H. LeMay, speaking for the Committee on Student Affairs, reported that he had been notified by the secretary of the Campus Life Council that, at present, only one senator was serving on that body, and that the CLC should include two senate representatives. Prof. Sonia G. Gernes, the first alternate for the vacant position as determined by last year's elections, had declined to serve, LeMay continued. Conway suggested that the next alternate be contacted. LeMay promised to pursue the recommended avenue.

LeMay next read the following excerpt from a proposal for an amendment to the Constitution of the undergraduate student government, submitted to him by John R. Fitzpatrick, offcampus coordinator of student government:

Section I: Proposal

1. In recognition of the fact that the undergraduate student government of the University of Notre Dame was organized under the premise of working for the advancement of the common good and the common interest of the whole student body, the present framework of the constitution of the aforementioned organization is in violation of its own purpose; first, because its composition excludes the representation of the off-campus student body, and second, because it does not provide the means by which the interests of this portion of the student body can be translated into effective policy. Therefore, it is proposed that an amendment be made to the constitution of the undergraduate student government of the University of Notre Dame to allow for an elected representative from the off-campus student body to be incorporated into the composition of the Board of Commissioners (Art I, Sect. I-1) and be endowed with equal powers and duties as other voting members described in Article I of this constitution.

LeMay moved that the above be formally endorsed by the senate. Kanury seconded the motion.

In the discussion which followed, Cohn stated that whereas he favored the intent of the motion, he felt that its content was a student, not a faculty matter, and that the senate should not officially involve itself therein.

Prof. Donald N. Barrett concurred, stating that the faculty should involve itself with student issues only when they have a direct bearing on student/faculty relations.

Prof. Kenneth E. Goodpaster inquired as to whether the proposal had met with any resistance, so that senate support might add another dimension to an ongoing political controversy. LeMay responded in the negative.

Frese, Conway and DeSantis recommended that the Committee on Student Affairs present a report in support of the amendment to the senate, whereupon the chairman's acceptance of it could signify the faculty's "uninvolved" support of the issue. LeMay agreed to so proceed and withdrew his motion.

DeSantis opened the floor to questions.

Frese inquired as to what measures were being taken by campus security to provide greater protection to townhouse residents. LeMay replied that special bolts for sliding doors were in the process of being installed.

Frese next noted that she had been made aware of the fact that a student, in an attempt to attend a required class at a professor's home, had called campus security for transportation and had been turned down. LeMay responded that he had been advised of the situation and hoped that security would treat such requests with dignity and courtesy. The fact that evening classes are contradictory to the mandates of the <u>Faculty Handbook</u> was pointed out by Prof. Mitchell Jolles.

DeSantis referred the question to the Committee on Administration. Prof. Charles Parnell accepted the charge in behalf of the committee chairman.

Jolles continued, stating that another student right was not to have more than onethird of a course grade based upon the final examination, but that this right was currently being violated.

DeSantis requested that LeMay's committee investigate the matter and report its findings to the senate.

Under Old Business, Sr. Margaret Suerth, O.S.B., inquired once again as to the status of the proposed amendment to the senate bylaws. DeSantis suggested that the vote be postponed since the sponsor of the amendment, Prof. Joan Aldous, was not in attendance. Several senators expressed their hopes that this long-outstanding issue could be resolved without further delay. DeSantis, in sympathy with their arguments, read the proposed amendment, an addition to Paragraph VII of the bylaws, in Aldous' behalf:

The following statement will be appended to each publication of the Faculty Senate Journal whenever a visitor speaks to the senate in recess: In accordance with standing senate policy, this journal has been edited in mutual agreement with our guest speaker.

Goodpaster called the question, and the motion carried 21 to 10, with Jolles, Kanury and Blackstead requesting that their names be cited in the minutes as being opposed to its passage.

Under New Business, DeSantis introduced Prof. John H. VanEngen as the new senator from the College of Arts and Letters.

The meeting was adjourned at 9:20 p.m.

Those absent but not excused: Wendy Carlton, sociology and anthropology; John Connaughton, law; Edward A. Coomes, emeritus; Bobby Farrow, psychology; William E. Slowey, accountancy; Phyllis Webb, microbiology.

Respectfully submitted,

Katharina J. Blackstead Secretary



# **Spring Semester Enrollment Report**

Statistics on student enrollment from the Office of the Registrar, Feb. 9, 1979

Total Enrollment Undergraduates Graduate School Law School MBA Program	1978/79 8,612 6,756 1,230 465 161	8,498 6,711	8,552 6,782	975/76 3,507 6,746 1,184 412 165	1974/75 8,540 6,711 1,245 412 172	<u>1973/74</u> 8,444 6,718 1,203 384 139	<u>1972/73</u> 8,343 6,556 1,169 462 156	1971/72 8,054 6,309 1,104 487 154
	FY <u>Men-Women</u>	AL Men-Women	BA <u>Men-Wom</u>	en <u>Me</u>	EG n-Women	SC <u>Men-Women</u>	TOTAL <u>Men-Women</u>	TOTALS BY CLASS YEAR Men-Women
1-1 1-2 2-1 2-2 3-1 3-2 4-1 4-2 5 6	1- 0 1,238-393	7- 4 348-186 17- 5 358-185 20- 8 368-169 5- 0 1- 0	3-0 392-101 5-3 453-101 2-1 396-76 6-1 0-0	25 29 25 6	6-3	$\begin{array}{cccc} 0 & 0 \\ 222 & 80 \\ 2 & 0 \\ 210 & 63 \\ 0 & 0 \\ 228 & 48 \\ 1 & 1 \\ 0 & 0 \end{array}$	$\begin{array}{c} 1- \ 0\\ 1,238-393\\ 14- \ 4\\ 1,221- \ 412\\ 30- \ 8\\ 1,315- \ 402\\ 28- \ 12\\ 1,249- \ 324\\ 77- \ 6\\ 4- \ 0\end{array}$	
Full Time (degree seeking) TOTAL Part Time	1,239-393 (1,632) 0- 0	1,124-557 (1,681) 1-1	1,257-28 (1,540 2- (	) (1	4-136 ,030) 3- 1	663-192 (855) 1- 0		$1 \ \overline{5,177-1,561(6,738)}$ 7- 2 ( 9)
(degree seeking) Transient (non- degree seeking) GRAND TOTAL	0- 0 1,239-393 (1,632)	2- 5 1,127-563 (1,690)	0- ( 1,259-28 (1,542	33 89	2- 0 9-137 1,036)	0- 0 664-192 (856)	4- 5 5,188-1568 (6,756)	4- 5 ( 9) 5,188-1,568(6,756) <sup>2</sup>

1. By intent: AL 452; BA 425; EG 407; SC 329; AE 19

2. Includes 6 undergraduate withdrawals as of Feb. 9, 1979.



				•	1	
	FIRST YEAR Men-Women	SECOND YEAR Men-Women	THIRD YEAR Men-Women	PART TIME Men-Women	TRANSIENT Men-Women	TOTAL Men-Women
LAW SCHOOL: (LW)	108-44 (152)	105-50 (155)	99-38 (137)	8-3 (11)	5-5 (10)	325-140 (465) <sup>3</sup>
	FIRST YEAR Men-Women	SECOND YEAR Men-Women				TOTAL Men-Women
GRADUATE BUSINESS (ME	53-16 BA) (69)	77-15 (92)				130-31 (161)
	HUMANITIES	SOCIAL	SCIENCE	ENGINEERING	OTHER	TOTAL
	Men-Women	SCIENCES Men-Women	Men-Women	Men-Women	Men-Women	Men-Women
GRADUATE SCH (GR)	100L 256-163 (419)	185-72 (257)	184-141 (325)	131-13 (144)	44-41 (85)	800-430 (1,230) <sup>4</sup>
				Men-Women	<u>Totals</u>	-
		Undergraduat	es	5,188-1,568	6,756	

The following Law School enrollment statistics include 33 London participants.

The previous undergraduates figures include the following enrollment of the University of Notre Dame degree-seeking students (excludes transient students overseas) in overseas programs.

	TR/ Men	ANSIENT Women	DEGRE Men	E SEEKING Women	TOTALS
Angers	1	2	9	30	42
Dublin (SMC)	0	0	10	0	10
Innsbruck	1	1	24	18	44
Mexico City	0	0	3	5	8
Rome (Arch.)	0	0	54	11	65
Rome (St. Mary's	) 0	0	8	4	12
Tokyo	ίQ.	0	13	2	15
	2	3	121	70	196

1,230

8,612

465

161

800- 430

6,443-2,169

140

31

325-

130-

This Official Spring Semester 1978/79 Enrollment Report does not include 14 unclassified, nondegree-seeking women taking courses under the faculty spouse tuition scholarship privilege. Previous enrollment reports included this category as part-time undergraduate students.

3. Includes one Law School student withdrawal as of Feb. 9, 1979.

GR

LW

MBA

4. Includes two Graduate School student withdrawals, as of Feb. 9, 1979; totals included <u>72</u> NSF Mathematics students (<u>75</u> NSF Mathematics students were not included in September Enrollment Report because of their October registration); totals include part-time and unclassified graduate students.

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# notre dame report



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