

'78-'79

notre dame report

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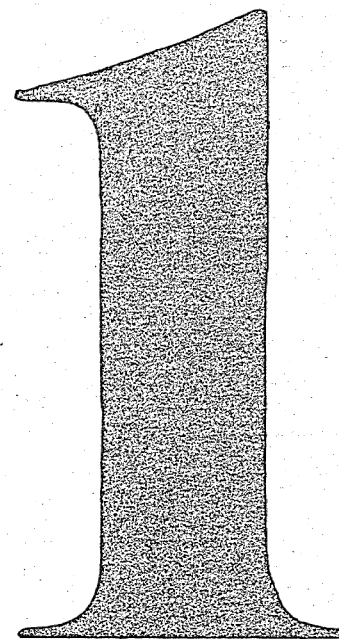
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the university



'Campaign for ND' Gifts

--An endowed chair in organic chemistry memorializing a distinguished Indianapolis research chemist and his wife was announced on July 19 by Notre Dame.

The Kleiderer/Pezold Chair will be named in honor of Ervin C. Kleiderer, former executive director of research, development and control at Eli Lilly & Co., who died in 1976, and his wife, Margaret Pezold Kleiderer, who died a year later.

Ervin Kleiderer became a member of the Notre Dame Science and Engineering Advisory Council in 1949 and headed the group in 1953, and his wife was a member of the Women's Advisory Council at Notre Dame from its inception.

Following her husband's death, Mrs. Kleiderer gave the Department of Special Collections in Notre Dame's Memorial Library his unique holdings in horology, the study of measuring time, comprising approximately 1,400 items.

--The Campaign for Notre Dame's total is \$95.9 million, according to Rev. Theodore M. Hesburgh, C.S.C., president. He reported that gifts and commitments have reached 74 per cent of the \$130 million goal announced in April, 1977. The campaign has received \$64.3 million from individuals, \$10.2 million from corporations, \$15.9 million from foundations, and \$5.5 million in deferred giving.

The five-year program is designed principally to augment Notre Dame's \$113 million endowment, and the goal is the 13th largest among campaigns now being carried out by American institutions of higher learning.

ND First in Gifts Received

Notre Dame ranked first among Catholic colleges and universities and 20th among all American institutions of higher learning in the amount of gifts and bequests received in 1976-77. According to a report printed annually in the Chronicle of Higher Education, Notre Dame received \$12,796,000 in 1976-77, compared with \$8,138,000 in 1975-76.

Harvard University, with \$74,955,000, led all colleges and universities, with Stanford University (\$56,049,000) second. Other Catholic universities ranking among the leaders were Loyola University, Chicago with \$8,891,000 and Georgetown University, \$7,912,000.

AOH to Raise Endowment Fund

The Ancient Order of Hibernians in America (AOH) approved plans to raise a \$1.3 million endowment for Notre Dame's Center for the Study of American Catholicism at its recent national meeting in Killarney, Ireland. The bulk of the endowment will underwrite an academic chair to be occupied by the director of the center, and the rest will support activities of the center, principally as they relate to the role of Irish-Americans in the history of the Catholic Church in the United States.

President's Faculty Address

The annual President's Faculty Address will be held at 4:30 p.m. on Monday, Oct. 9 in Washington Hall.

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1978 Summer Commencement

Twenty-four candidates for the doctoral degree were honored at the Summer Session commencement in the Athletic and Convocation Center. Another 162 students received the master's degree and 37 the baccalaureate degree from Rev. Ferdinand L. Brown, C.S.C., acting provost. Rev. James F. Flanigan, C.S.C., chairman and associate professor of art, delivered the homily at a Baccalaureate Mass in Sacred Heart Church, and Elizabeth Christman, associate professor of American studies, delivered the commencement address.

ND Grads in Higher Education

More than 1,200 Notre Dame graduates are faculty or administration members at 472 colleges or universities in America, a current publication of the Alumni Association reports. An additional 55 graduates are involved in higher education in 23 foreign countries.

The listing shows 843 graduates teaching in 47 states and the District of Columbia with 108 of this number serving as chairman of their academic department and 177 listed as full professors. There are 22 college presidents, 26 vice presidents, 40 deans and 90 department directors among the 383 university administrators listed in the publication.

At Notre Dame there are 153 men and women holding 238 baccalaureate or post-baccalaureate degrees from the University in teaching, about one-fifth of the total faculty. An additional 114 graduates are involved in an administrative capacity.

United Way Appeal

The Notre Dame Community will be asked during the coming weeks to participate in the United Way program of St. Joseph County. Chairman James Daschbach, Jr., professor of aerospace and mechanical engineering, and his co-workers are seeking increased participation by all faculty and employees in the campaign to reach the goal \$66,000 on the campus.

Pledge cards will be distributed and information sessions scheduled in the near future as officials report the needs of 34 community agencies that last year provided services to almost 1,100 Notre Dame faculty and staff members or members of their families.

Foreign Language Exam

The reading foreign language examination will be held for graduate students on Wednesday, Nov. 29, 1978 in Room 204 O'Shaughnessy Hall from 7-9 p.m. The examination in each language will consist of two parts: a general text to be translated by all students and a passage in the student's field of study. Dictionaries may be used for both parts of the test. ALL STUDENTS SHOULD REGISTER FOR THE EXAMINATION THEY WISH TO TAKE IN THE OFFICE OF THE DEPARTMENT OF MODERN AND CLASSICAL LANGUAGES, Room 304 O'Shaughnessy Hall by Wednesday, Nov. 15. Graduate students presently enrolled in the 500-level foreign language reading courses are expected to take the reading examination at the end of the semester.

Memorial Library Hours Fall Semester

Schedule when classes are in session (Tuesday, Aug. 29--Friday, Oct. 20; Sunday, Oct. 29--Tuesday, Nov. 21; Sunday, Nov. 26--Tuesday, Dec. 12):

Monday - Saturday	8 a.m. - 11:45 p.m.
Sunday	1 p.m. - 11:45 p.m.

Schedule during final examination period (Wednesday, Dec. 13--Wednesday, Dec. 20):

Monday - Saturday	8 a.m. - 12:45 a.m.
Sunday	1 p.m. - 12:45 a.m.

Schedule when classes are not in session (Saturday, Oct. 21--Saturday, Oct. 27; Wednesday, Nov. 22--Saturday, Nov. 25; Thursday, Dec. 21--Monday, Jan. 15):

1st and 2nd floors

Monday - Saturday	8 a.m. - 5 p.m.
Sunday	closed

4th through the 13th floors

Monday - Saturday	8 a.m. - 10 p.m.
Sunday	1 - 10 p.m.

Memorial Library Tower will only be open:

Dec. 22	8 a.m. - 10 p.m.
Dec. 23	8 a.m. - 5 p.m.

Memorial Library Building will be closed:

Nov. 24 (Thanksgiving Day)
Dec. 24-26 (Christmas holidays)
Dec. 31-Jan. 1 (New Years holidays)

Memorial Library Photocopying Procedure

Since the Periodical Center has a non-circulating collection, none of the material can be charged out. However, a coin-operated photocopying machine is available in the center to copy periodical articles that might be needed. The material to be copied and a completed photocopying application must be left with the attendant at the Periodical Center desk who will arrange for the work to be done. The completed work will be available to pickup at the Memorial Library Copy Center where any charges can be paid.

Art Gallery Exhibits

The Faculty Show 1978, highlighting current works of Notre Dame's Art Department faculty, including painting, sculpture, photography, graphics, ceramics and textiles, is on exhibit at the Art Gallery, O'Shaughnessy Hall. Also, on display from the Permanent Collection, are Sculpture: From the East, primarily bronzes from India, China and Japan; 19th Century Prints, and Traditions in Textiles.

faculty notes

Appointments

New academic-administrative appointments announced for 1978-79 are: Robert Amico, chairman of architecture; Col. Gail Bulmer, chairman of aerospace studies; Col. Richard Johnson, chairman of naval science; Mitchell Lifton, chairman of speech and drama; Jerry Marley, assistant dean of the College of Engineering; Bernard Norling, acting chairman-fall semester of history; Ellen Ryan, chairman of psychology; Thomas Schlereth, director of American studies; Wendy Schlereth, acting archivist; Donald Sniegowski, assistant dean of the College of Arts and Letters; William Sexton, chairman of management; Albin Szewczyk, chairman of aerospace and mechanical engineering, and Thomas Werge, acting chairman of English.


Edward Blackwell has been named to the newly-created position of director of minority student affairs at Notre Dame. The new position was created to provide academic, social and career counseling for minority students, to improve the quality of life and services offered by the University, and to consult and assist in Notre Dame's knowledge and awareness of minority needs. Blackwell will also assist in the University's programs of endeavors for scholarship, fund raising endeavors for scholarships and other projects, and act as liaison between the students and the office of student affairs.

Patricia Burns Crosson, clinical psychologist at the South Bend (Ind.) Clinic for the past two years, has been named director of the Psychological Services Center at the University of Notre Dame.

Donald E. Dedrick, acting vice president for physical plant and facilities at American University of Washington, D.C., has been named director of physical plant maintenance and building at the University of Notre Dame. He will succeed Rev. Jerome J. Wilson, C.S.C., who served in that capacity the last two years after 25 years as Notre Dame's vice president for business affairs.

Sr. Constance Gaynor has been named director of Notre Dame's Religious Leader's Program. She succeeds Peggy Roach, who has directed the program since 1976 and will continue to serve as administrative assistant to Msgr. John J. Egan, director of the Center for Pastoral and Social Ministry.

Alfred Kazin, one of America's noted authors and professors of literature, has been named William White Professor of English at Notre Dame for the 1978-79 academic year. He is the first distinguished educator selected for the endowed chair named for the Chicago benefactor and recipient of an electrical engineering degree at Notre Dame in 1939.

 Sarah M. Luna, acting director for student development at St. Bonaventure University in New York, has been named associate director of Campus Ministry at Notre Dame, effective Aug. 15. She is the first lay person to join the Campus Ministry team.

Robert C. Miller, director of libraries at the University of Missouri-St. Louis, has been named director of University Libraries at Notre Dame, effective Oct. 1. He succeeds David E. Sparks, who resigned from the post he held since 1971. Sparks will continue at Notre Dame as a member of the library faculty.

Joseph A. Russo has been appointed director of financial aid for students at Notre Dame. He succeeds June H. McCauslin who retired after serving in the office 18 years, the last seven as director.

Honors

Joan Aldous, Kenan professor of sociology, has been elected to the Board of Publications of the American Sociological Association. She has also been chosen to organize a session on Marriage and Divorce at the 1979 Annual Meeting of the American Sociological Association.

Carl T. Berkhout, Curator of the Medieval Institute Library, was named a contributing editor of the Index of Middle English Prose at a British-American planning conference held at Cambridge University on July 21-24.

N.J. Girardot, assistant professor of theology, was named acting book review editor for East Asian religions for the Religious Studies Review which is published by the Council on the Study of Religion of the American Academy of Religion.

Sean V. Golden, assistant professor of English, has been named to the editorial board of the Dictionary of Irish National Biography by The American Committee for Irish Studies (ACIS).

Madonna C. Kolbenschlag, H.M., has been elected vice-chair of the Qualitative Studies Division of the Association for Education in Journalism.

James R. Langford, director of the Notre Dame Press, has been elected to the executive committee of the American University Publishers Group and appointed to the Government, Professional and Foundation Relations Committee of the Association of American University Presses.

G.D. Loescher, assistant dean of the College of Arts and Letters and concurrent assistant professor of government and international studies, was named a Dorothy Danforth Compton Fellow by the Institute for the Study of World Politics for 1978-79, and was appointed a Visiting Research Associate of the Centre for International Studies at the London School of Economics and Political Science for the 1978-79 academic year.

John Matthias, associate professor of English, and Goran Printz-Pahlson have won the Columbia University Translation Center Award, funded by the National Endowment for the Arts, for the volume of translations from the Swedish Contemporary Swedish Poetry. The book will be published by Anvil Press in England and Swallow Press in America.

John J. McDonald, associate professor of English, has been awarded a Rockefeller Foundation Humanities Fellowship for 1978-79.

Morris Pollard, chairman and professor of microbiology and director of Lobund Laboratory, has been selected to be among 16 Foundation for Microbiology Lecturers for 1978-79, sponsored by the American Society for Microbiology. His topic will be "Gnotobiology."

R.H. Schuler, director of the Radiation Laboratory and professor of chemistry, has been appointed as a delegate representing the Radiation Research Society at the General Assembly of the International Association of Radiation Research.

James H. Seckinger, associate professor of law, was elected the third Academic Fellow of the International Society of Barristers by the Board of Governors at the annual meeting in July.

J. Robert Wegs, assistant professor of history, has been awarded a scholarship grant from the American Council of Learned Societies for post-doctoral research in the humanities and related social sciences on "A Working Class District in Vienna, 1918-1938."

Activities

Joan Aldous, Kenan professor of sociology, gave the presentation "An American Family Portrait--1978" on Aug. 3 at the National Diaconate Institute on Continuing Education conference held at Notre Dame.

Teoman Ariman, associate professor of aerospace and mechanical engineering, presented a paper entitled "Analysis of Buried Pipelines Under Seismic Excitations", June 22-24 at the 5th National Meeting of the Universities Council for Earthquake Engineering Research at Massachusetts Institute of Technology. He also chaired a panel session entitled "Recent Advances in Lifeline Earthquake Engineering" at the 1978 American Society of Mechanical Engineers/Canadian Society of Mechanical Engineers Pressure Vessels and Piping Conference, Montreal, Canada, June 24-28. He then presented a paper entitled "Seismic Analysis of Buried Pipelines with Cracks" at the 8th U.S. National Congress of Applied Mechanics in Los Angeles, June 28-July 1.

Joseph P. Bauer, associate professor of law, participated in the Ninth Economics Institute for Law Professors at the University of Miami Law School from June 11-30.

John T. Cacioppo and Thomas V. Merluzzi, assistant professors of psychology, were discussant and chairman respectively, at a "Research and Practices in Cognitive Behavior Modification" symposium at the annual meeting of the American Psychological Association, Toronto, on Aug. 29. Professor Cacioppo and Richard E. Petty gave symposium presentations "The Persistence of Attitude Change: Current Perspectives" and "Overt Measures of Covert Mental Processes" on Aug. 28 and Sept. 1 at the same meeting.

Msgr. John J. Egan, special assistant to the President, gave the talk "Serving the Family of Mankind: The Deacon in the Workplace," on Aug. 5 at the National Diaconate Institute on Continuing Education conference held at Notre Dame.

N.J. Girardot, assistant professor of theology, appeared as a featured guest on the WNIT-TV program "Straight Talk" on July 21 about death and dying. He was also the organizer and chairman of two lecture series during the summer at Notre Dame: "New Religious and Spiritual Movements", June 27-30; and "Japanese Religious and Liturgical Tradition," July 25-27.

William H. Hamill, professor emeritus of chemistry and senior scientist in the Radiation Laboratory, chaired a session entitled "Properties of Electrons" at the Gordon Research Conference on Radiation Chemistry held at The Holderness School, Plymouth, N.H., on July 19.

Rev. Theodore M. Hesburgh, C.S.C., president of Notre Dame, talked about his experiences in civil rights efforts as well as in higher education on "Straight Talk," on channel 34 South Bend public television station, July 24 and 25.

N.C. Huang, associate professor of aerospace and mechanical engineering, presented lectures on "Application of Theory of Slender Curved Rods to the Stress Analysis of Yarns" at Georgia Institute of Technology on Aug. 1; at Massachusetts Institute of Technology on Aug. 4, and at the University of Manchester Institute of Science and Technology (England) on Aug. 7.

Winifred M. Huo, assistant professional specialist in the Radiation Laboratory, presented a seminar entitled "An Effective Potential for the Scattering of Electrons by Atoms and Molecules" at Argonne National Laboratory, Argonne, Ill., on Aug. 30.

David Clark Isele, director of the Glee Club, made a 25-day concert tour of Europe. The Glee Club sang Latin High Mass in the Cathedral of Cologne and in Notre Dame Cathedral, Paris. They also recorded for Radio Cologne, May 23-June 16. Professor Isele was also guest reviewer of the eight annual International Contemporary Organ Music Festival, held at Hartt College of Music, West Hartford, Conn., July 10-15.

Bernard J. Kilbride, professor of finance, served on the faculty for the American Bankers Association's Essentials of Banking School held at Duke University, Durham, N.C., June 25-30.

Madonna C. Kolbenschlag, H.M., assistant professor of American studies, chaired a session on "Philosophical Rationale Inherent in Research Methodologies" at the annual convention of the Association for Education in Journalism, at the University of Washington, Seattle, Aug. 14.

Charles F. Kulpa, associate professor of microbiology, presented the following seminars at Clemson University: "Fluorescent Probe Studies of the Structure of *e. coli* Membranes," July 20; "Fluorescent Probe Studies of Normal and Transformed Mammalian Cells," July 21; "Liposomes as Carriers of Polynucleotides: Effect on Interferon Production and Virus Replication *in vitro*," July 24, and "Liposomes as Carriers of Drugs: Fact or Fiction", July 25.

Rev. Anthony J. Lauck, C.S.C., professor emeritus of art, had 10 sculptures shown during August and September in the new University Library of Western Illinois University in Macomb, Ill.

Lawrence C. Marsh, assistant professor of economics, with Sanjay S. Modak, presented a paper entitled "Testing General Linear Multiple Mixtures of Equality and Inequality Restrictions with Applications to Regression Analysis" at the Fifth International Symposium on Multivariate Analysis at Pittsburgh, June 23.

John Matthias, associate professor of English, was a guest of the Yaddo Foundation in Saratoga Springs, N.Y. in June and July. During July and August he was a visiting professor at the Department of English, Skidmore College, Saratoga Springs, N.Y.

Victor W. Nee, professor of aerospace and mechanical engineering, presented a paper entitled "On the Sudden Vanishing of a Thin Vertical Plate in a Free Convection Flow" at the 6th International Heat Transfer Conference, Toronto, Canada, Aug. 6-11.

Robert C. Nelson, assistant professor of aerospace and mechanical engineering, presented a paper entitled "The Influence of a Wake Splitter Plate on the Pressure Drag Coefficient of a Right Circular Cylinder," at the 11th Navy Aeroballistics Symposium, Philadelphia, Aug. 21-24.

Walter Nicgorski, associate professor in the general program of liberal studies, presented a paper entitled "Empowering Human Beings: Sophistry or Liberal Education?" at the annual meeting of the Society for Values in Higher Education, Aug. 14 at Saint Mary's College.

O. Timothy O'Meara, provost, delivered a lecture entitled "Positive Definite Quadratic Forms Over the Integers" to the Conference on Quadratic Forms at Oberwolfach on June 1. He addressed the mathematics colloquium at Universität Bielefeld on June 19, and the colloquium at Universität Göttingen on June 29, on "The Isomorphism Theory of the Classical Groups, 1928 to 1978." He also delivered two lectures on "Symplectic Groups" and two on "Indecomposable Quadratic Forms" to the algebra seminar at Göttingen in July.

Bruce I. Rose, assistant professor of mathematics, gave a talk entitled "Model Completeness and Nonassociative Algebras" for the 82nd summer meeting of the American Mathematical Society, Brown University, Providence, R.I., Aug. 11.

John Santos, professor of psychology, served as expert consultant for the Midwest Council for Social Research in Aging of the University of Missouri Special Seminar on "Research on the Minority Elderly" in Kansas City on July 10-12. He also directed the Aging Services Bureau of the State of New Mexico summer training program in Albuquerque on "Mental Health Problems of the Elderly" during August.

Thomas J. Schlereth, associate professor of American studies, gave the keynote address, "Collecting Ourselves: Common Problems of History Textbooks and History Museums," at the Museum Studies Institute of the Conner Prairie Pioneer Settlement, Indiana, on June 12. He also gave the opening lectures, "Techniques of Urban Above-Ground Archaeology" and "Urban Cartography Architecture and Toponymy as Urban History" in the National Endowment for the Humanities Guest Lecture Series "City as Artifact" at the Indianapolis Museum of Art, Indianapolis, June 21 and 28.

Robert H. Schuler, professor of chemistry and director of the Radiation Laboratory, presented a paper entitled "Spectroscopic Studies of Free-Radical Reactions in Liquids" at the Gordon Research Conference on Radiation Chemistry held at The Holderness School, Plymouth, N.H., on July 21.

James Seckinger, associate professor of law, was team leader at the Midwest Regional, National Institute for Trial Advocacy in Chicago, June 3-11; at the California Institute for Trial Advocacy Skills, California Bar Association in Los Angeles, June 16-25, and director and team leader at the Second Annual Federal Trade Commission Trial Advocacy Program, Washington, D.C., July 30-Aug. 15.

Charles Snyder, assistant professional specialist of psychology, and T.C. Pritchard presented "Dissociation of Activity from Instrumentally Conditioned Hear Rate in Noncurarized Rats," at the Eastern Psychological Association, Washington, D.C., March 29.

J.K. Thomas, professor of chemistry and senior scientist in the Radiation Laboratory, chaired a session entitled "Multiphoton Molecular Processes" at the Gordon Research Conference on Radiation Chemistry held at The Holderness School, Plymouth, N.H., on July 17,

Anthony M. Trozzolo, Huisking professor of chemistry, presented a paper entitled "Solid-State Photochromism in Oxiranes and Aziridines" at the Fifth International Conference on Solid-State Organic Chemistry, Brandeis University, Waltham, Mass., June 16; presented a plenary lecture entitled "Photochemistry of Some Three-Membered Heterocycles" at the Seventh International Union of Pure and Applied Chemistry Symposium of Photochemistry, Leuven, Belgium, July 29; presented a seminar entitled "Cyclic Photochemistry" at the Max Planck Institut für Biophysical Chemistry, Göttingen, Germany, Aug. 2, and presented a seminar entitled "Solid-State Photochromism" at the Institute for Macromolecular Chemistry, University of Freiburg, Germany, Aug. 4.

Arvind Varma, associate professor of chemical engineering, presented a paper entitled "Some Modeling and Simulation Aspects in Automotive Catalysis," at the Summer Computer Simulation Conference at Newport Beach, Calif., July 24-26.

Daniel H. Winicur, associate professor of chemistry, presented a paper entitled "Collisional Energy Dependence of the Translational to Rotational Energy Exchange Between $\text{Ar}^* (^3\text{p})$ and CO_2 " at the 1978 Conference on the Dynamics of Molecular Collisions, Asilomar, Calif., on June 30.

Erhard M. Winkler, professor of earth sciences, presented two papers: "Solvents for Adobe and Stone Preservatives," with James R. Clifton, and "Simple Field Determination of Stone Colors," at the International Conference on Deterioration and Protection of Stone Monuments, Paris, June 5-9.

Deaths

Leo Francis Kuntz, 84, professor emeritus of education and former chairman of the Education Department, died Aug. 7 in Rancho Cordova, Calif. He had served on the faculty 30 years before his retirement in 1959.

Rev. Daniel J. O'Neil, C.S.C., director of International Student Affairs, died June 9.

Devere Thomas Plunkett, 70, professor emeritus of history and former associate dean of the College of Arts and Letters, died July 12 after a four-year illness, in South Bend.

James E. Ward, 48, associate professor of history, died on July 15 in South Bend after an extended illness.

office of advanced studies

Notes for Principal Investigators Information Circulars

Indirect Costs Rates For Government Sponsored Programs For Fiscal Year 1979

Negotiations for the fiscal year 1979 indirect cost rate for Government sponsored programs have been completed. The negotiation date to be used on proposal documents is July 14, 1978. The base used in calculating indirect costs is Total Modified Direct Costs (TMDC). Until further notice, the indirect cost rates to be used for Government sponsored programs are:

Research Projects:	
On-Campus:	48.64% of TMDC ^a
Off-Campus:	12.29% of TMDC ^{a,b}
Education Projects:	
On-Campus:	34.85% of TMDC ^c
Off-Campus:	11.01% of TMDC ^{b,c}
Radiation Laboratory:	18.72% of TMDC

^a Total Modified Direct Cost is defined as total direct cost less capital expense.

^b Off-campus rates apply when work is performed for an extended period (normally one month or more) off-campus.

^c Total Modified Direct Cost is defined as total direct cost less capital expense, stipend, tuition, dependents' allowance, participant travel and participant books.

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.

Office of the Assistant Secretary for Education Lifelong Learning Project

No. FY79-6

The Office of Research and Sponsored Programs has on file a copy of the Lifelong Learning Project's first annual report to the President and the Congress. President Carter has requested \$5 million for Lifelong Learning in his 1979 budget. At this time, no program money is available and therefore no regulations or proposal guidelines have been written.

The Lifelong Learning Act has created the possibility of a unique role for the Office of the Assistant Secretary for Education: planning, assessing and coordinating educational policy-making from a lifelong learning perspective. The legislation was passed because of a widely felt concern over the proliferation of Federal programs to support adult learning--by one count close to 300 programs. What was needed, Congress declared, was not still another program, but a mechanism for assessing the learning needs of individuals and society and for determining ways Federal resources and programs might best be used to help meet those needs. This report is one step in that direction.

This report, prepared by the Lifelong Learning Project at the request of the Assistant Secretary for Education, focuses on the adult years of lifelong learning. The focus on adults is not meant to imply that a "lifelong learning" perspective is limited to an examination of the adult years. But since so much attention has been given to the learning of youth in our nation, and since the legislation itself emphasizes adult learning activities, they have chosen to begin our examination of lifelong learning with the adult years.

An executive summary precedes the report and summarizes its main findings. The first part of the report defines lifelong learning and describes the conceptual

elements of a society concerned with learning. The second part analyzes Federal-State-local relations in lifelong learning and recommends Federal activities in research, demonstration and coordination at each level. The third part applies the lifelong learning perspective to four groups of learners: workers, urban youth, women and older adults, and recommends some Federal roles in improving lifelong learning for these groups. Other learner groups will be studied in future reports on lifelong learning.

National Endowment for the Arts Opera/Musical Theatre Program

No. FY79-7

The formation of an Endowment Program to better serve the needs of opera and musical theatre has been announced by the National Endowment for the Arts. Creation of the new Opera/Musical Theatre Program was approved by the National Council on the Arts.

At this stage, the first administrative step will be to select a staff and panelists and to draw up guidelines for the new program for possible implementation in fiscal 1980. However, a limited number of pilot projects for musical theatre may be possible in fiscal 1979. Specific plans for the new Program will be announced later this year.

The Rhodes Scholarship — 1979 Study at the University of Oxford The Marshall Scholarship — 1979 Graduate Study in the United Kingdom

No. FY79-8

The assistance of the faculty is requested in the identification and encouragement of outstanding candidates for the Rhodes and Marshall Scholarship competitions.

The Rhodes Scholarship provides for graduate study at the University of Oxford; the Marshall Scholarship, for graduate study at any university in the United Kingdom. The awards are for two years, renewable for a third. Both Scholarships are open to both men and women applicants. Age limits are 24 for the Rhodes, 25 for the Marshall, as of October 1, 1978.

The qualities sought in candidates by both Rhodes and Marshall selectors are similar, and high academic achievement is a requirement for both Scholarships. In general, however, Marshall selection committees, while seeking candidates who "display a potential to make a significant contribution to their own society," seem to be oriented toward individuals of outstanding academic achievement and professional or scholarly potential, with strong preparation in the major field. Rhodes selectors emphasize, in addition to excellent intellectual ability and achievement, qualities of character, leadership and public-spiritedness. Notable athletic achievement, while certainly of interest to the Rhodes selectors, is by no means a requirement for that Scholarship.

The faculty is urged to call these Scholarships to the attention of Seniors and postgraduate students, in all divisions of the University, who would be strong candidates for the awards but who might not otherwise have considered applying for them. Since both Scholarships are highly competitive, it must be stressed that only students of outstanding ability and promise should be encouraged. The importance of the faculty's assistance in this matter cannot be overemphasized: The University's most recent Marshall Scholarship winner had his attention directed to the competition as a result of this notice.

Interested students should obtain further information and application forms from Professor William Frerking in 103 Brownson Hall (Telephone: 2880) immediately after the beginning of the Fall Semester. The deadline for receipt of application materials for both Scholarships is the first week of October.

Lilly Endowment, Inc. Lilly Endowment Faculty Open Fellowships

No. FY79-9

Applications for the 1979-80 Lilly Foundation Faculty Open Fellowships are available in the Office of Advanced Studies, Division of Research and Sponsored Programs.

Deadline:

Internal deadline is mid-October.
Endowment deadline is December 1.

Stipend:

\$20,000.

The Lilly Endowment Faculty Open Fellowship seeks to locate teacher/scholars in mid-career who seek a break from academic routine with the hope that it will mean an opportunity to test or apply theory in "real life" settings; for others, it may mean a period of reading and reflection on the overall enterprise of teaching and curriculum building.

Applications must be processed as regular proposals and include a routing form and internal budget, both of which can be obtained from the Office of Research and Sponsored Programs.

Notre Dame can submit three applications. A selection committee will be appointed to review all proposals. The committee will be composed of an associate or assistant dean from each of our colleges, a representative of the Office of Research and Sponsored Programs and our former winners of the Lilly award.

National Kidney Foundation Research Fellowship Grants

No. FY79-10

At the present time the Research and Fellowship Grants Committee of the National Kidney Foundation will give equal consideration to research fellowship applications, either clinical research or laboratory, within the broad field of nephrology and urology. Although clinical research fellowships are encouraged, purely clinical, for example, non-research fellowships, will not be considered.

Support will not be granted to individuals who have completed three years of fellowship training. The Foundation is designed to train United States citizens, but outstanding applications from foreign citizens will be accepted for consideration.

Stipend:
\$13,000 per annum.

Deadline:
Applications must be postmarked no later than October 1, 1978.

Application:
No special application is required. However, detailed guidelines on preparation of a proposal are available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

Closing Dates for Selected Sponsored Programs Fiscal Year 1979

No. FY79-11

The following listing of program closing dates is based on this year's dates. The dates may vary by a month or two and some programs may be deleted or combined with others. However, the list should be helpful as a general guide in planning.

October 1978

NIH	National Research Service Awards
Smithsonian	Woodrow Wilson Center Fellowships
NEH	Cultural Institutions Grants
	Summer Stipends
NEA	Expansion Arts: Special Summer Projects;
	Community Cultural Centers; Neighborhood
	Arts Services; Regional Tour Events
	Museums: Museum Training; Services to the
	Field; Fellowships for Museum Professionals
	Architecture, Planning and Design
	Work/Experience Internships
	Visual Arts: Artists' Fellowships
	Dance: Dance/Film/Video; General Programs
	Media Arts
NSF	Local Course Improvement
DOL	Employment and Training Administration:
	Small Grants Research Projects; Doctoral
	Dissertation Research Grants

November 1978

NEH	Fellowships in Residence for College Teachers
	Public Programs
	Youth Grants
	Pilot Grants
	Research Materials Grants
NIH	Research Grants
NEA	Music: Fellowships for Composers and Librettists;
	Literature: Assistance to Literary Magazines
	Expansion Arts: Instruction and Training;
	Arts Exposure; State Arts Agencies
NSF	E.D. Bergmann Memorial Research Grant
	NATO Postdoctoral Fellowships
	Pre-College Teacher Development Program
	Handicapped in Science
OE	Teacher Exchange and Short Term Seminars
	Abroad
	Foreign Curriculum Consultants
	Faculty Research Abroad
	Group Projects Abroad
	Strengthening International Dimensions of Undergraduate Education
	Bilingual Education
	Gifted and Talented Model Projects
NIE	Basic Skills
State	AID Interns

December 1978

NEA	Visual Arts: Services to the Field; Craftsmen's Fellowships
	Challenge Grants
	Dance: Large Company Touring
	Media Arts: General Programs
NEH	Research Grants: Translations Grants; Publications Program
	Consultant Grants
NSF	Comprehensive Assistance to Undergraduate Science Education
	Graduate Fellowships
	Science Faculty Professional Development Program
	National Needs Postdoctoral Fellowships
	Ethics and Values in Science and Technology
	Public Understanding of Science
	Women in Science
	Minority Institutions Graduate Traineeships
	Small College Faculty Engaged in Research at Larger Institutions (for Summer Support)
	Alan T. Waterman Award Nominees
NIE	Organization Processes in Education
NIMH	Small Grants (for Summer Support)
OE	Handicapped Research and Demonstration
	Library Research and Demonstration
	Metric Education
	Consumers' Education
	Ethnic Heritage Studies
	Foreign Language and Area Studies Fellowships
Justice	National Institute of Law Enforcement and Criminal Justice - Unsolicited research proposals

January 1979

NIH	Fogarty International Fellows to Sweden and Switzerland
	Extramural Associates Program
NEA	Folk Arts
	Museums: Museum Purchase Plan
	Media Arts: General Programs

Visual Arts: Visual Arts in the Performing Arts; Photography Exhibition Aid; Photography Publications; Photography Surveys
 Theatre: Professional Theatre Companies; Professional Theatre Companies with Short Seasons; Services to the Field; General Program; Professional Theatre Training
 Dance: Choreography Fellowships and Production Grants; Dance/Film/Video; General Programs

NEH Higher Education Humanities Institutes Challenge Grants
 Development Grants
 HEW Fund for the Improvement of Postsecondary Education - Preliminary Proposal
 HEW Fellows Program
 OE Foreign Language and Area Studies Research Educational Opportunity Centers
 Special Services
 Talent Search
 Upward Bound
 Follow Through
 OE Community Education Program
 Cooperative Education
 NSF Minority Institutions Science Improvement Program
 Civil Service Presidential Management Intern Program
 Smithsonian Pre and Postdoctoral Fellowships
 Interior Water Research and Technology

February 1979

NIH National Research Service Awards
 MARC Faculty Fellowships
 MARC Visiting Scientists
 NEH Public Programs
 NEA Work Experience Internships
 Architecture, Planning and Design
 OE Environmental Education
 Title III-Advanced Institutional Development Program
 Career Education
 Women's Educational Equity Act
 College Library Resources
 Handicapped Early Education Model Projects
 NSF Information Dissemination

March 1979

NIH Research Proposals
 NEH General Research Grants
 Consultant Grants
 Summer Seminars for College Teachers
 NEA Literature: Residencies for Writers
 Theatre
 Smithsonian Graduate Research training Awards
 NSF Instructional Scientific Equipment Program
 Science for Citizens: Public Service Science Residencies and Internships
 Minority Institutions Science Improvement
 Continuing Education for Scientists and Engineers
 Research Initiation in Minority Institutions
 Research in Science Education

HEW Fund for the Improvement of Postsecondary Education: final proposal
 OE Teacher Centers
 PHS Maternal and Child Health Service Training Grants
 Justice National Institute of Law Enforcement and Criminal Justice: Concept paper for unsolicited proposals

April 1979

NEA Folk Arts
 Museums: Museum Education; Cooperative Programs; Special Exhibitions
 Visual Arts: Photographers' Fellowships
 Special Projects: Arts Centers and Festivals; Services to the Field;
 NEA Dance: Dance/Film/Video; Management and Administration
 General Programs
 NEH Youth Grants
 Pilot Grants
 College Library Grants
 Higher Education General Projects
 Higher Education Curriculum Materials
 NSF Public Understanding of Science
 Ethics and Values in Science and Technology
 OE Teacher Corps
 Right to Read
 Strengthening Research Libraries
 Title III: Basic Institutional Development Program
 NIE Educational Equity Research Grants Program

May 1979

NSF Science for Citizens: Forums, Conferences and Workshops
 NEA Visual Arts: Art Critics' Fellowships
 Work/Experience Internships
 NEH Public Programs
 OE Law School Clinical Experience Program

June 1979

HEW Institute of Museum Services
 AOA Gerontology Career Training
 PHS Allied Health Short Term Institutes
 Allied Health Project Grants
 NIH MARC Honors Undergraduate Research Training
 MARC Visiting Scientists
 MARC Faculty Fellowships
 NEA National Research Service Awards
 Music: Jazz; Folk/Ethnic; Opera
 Dance: Large Company Touring
 Architecture Planning and Design
 NEH Media Arts: Aid to Film/Video Exhibition
 Fellowships for Independent Study and Research
 Research Materials Grants
 Research Collections Grants
 Summer Seminars for College Teachers (Seminar Directors)
 Consultant Grants
 Planning Youth Grants
 OE Community Service and Continuing Education (discretionary Program)

Alexander von Humboldt-Stiftung Foundation Research Fellowships in Germany

No. FY79-12

The purpose the Alexander von Humboldt Foundation is to award research fellowships to young, academically trained and highly qualified persons of foreign nationality to carry out research projects in the Federal Republic of Germany. Fellowships are awarded only for specific research projects, not for training purposes, short-term informatory or study tours. Applicant is free to choose the German institute where he would like to work. Scholars of all disciplines may apply.

Stipend:

The amount depends on the qualification attained and rates between DM 1,900 (approximately \$900) and 2,600 (approximately \$1,250) per month.

Tenure:

Fellowships for six-twelve months can be applied for. Extensions up to a total of 24 months can be granted. Up to four months may be spent at any research institute in Europe if this is essential for the progress of the research.

Travel expenses are covered if not borne by home institutions.

Family allowances: DM 200 (approximately \$90) monthly for spouse and children's allowances.

Fellowships for language courses of two-four months in the Federal Republic prior to the actual period of research can be granted.

Conditions of Application:

- * Have completed their academic training with the Ph.D. or an equivalent to the German doctorate or have attained a comparable academic qualification through research and teaching.
- * Can furnish proof of experience in independent teaching or research at an university or research institute.
- * Have good knowledge of the German language.
- * Rough age limit; not younger than 25 and not older than 40.

Procedure for Application:

Applications may be submitted directly or through diplomatic or consular missions of the Federal Republic and branch offices of the German Academic Exchange Service (DAAD) at any time.

Deadline:

The Selection Committee meets three times a year in March, July and November. It is advisable to apply at least two months in advance. Normally after five months the result of an application is available.

For further information contact one of the diplomatic or consular missions in the United States, or write to:

Dr. Heinrich Pfeiffer
Secretary General
Schillerstrabe 12
D-5300 Bonn-Bad Godesberg
Federal Republic of Germany

The Edna McConnell Clark Foundation Children, Developing World, The Elderly, The Poor

No. FY79-13

Areas of Interest of The Edna McConnell Clark Foundation Include:

Children:

Goal: Providing stable, permanent, legally protected settings for children in foster care and institutions.

- * To improve professional leadership.
- * To increase the availability of specialized adoption services.
- * To stimulate public awareness.
- * To provide technical assistance.
- * To improve the responsiveness of legal mechanisms and officials.
- * To promote more efficient management and services coordination.

Developing World:

Goal: Eliminating the tropical disease schistosomiasis as a major, global health problem.

- * To carry out research necessary for development of an effective schistosomiasis vaccine.
- * To develop better curative and prophylactic drugs.
- * To refine other methods of schistosomiasis control, such as improved measures to eliminate snails.
- * To document the economic and public health impact of schistosomiasis.

The Elderly:

Goal: Helping the elderly to use their experience, skills and talents.

- * To stimulate the hiring of older workers by organizations needing paid or volunteer personnel.
- * To encourage colleges and universities to serve the vocational as well as educational needs of older people.
- * To aid placement agencies in developing job opportunities for older applicants.
- * To assist employers and unions in developing vocational and educational opportunities for valued retirees.
- * To develop and disseminate information about the usefulness and potential of the elderly.

The Poor:

Goals: Encouraging lawyers to help the poor in penal and mental institutions and to provide impoverished people with general services; strengthening the ability of the rural poor to find and keep useful employment.

- * To carry out projects to limit the number of people who are incarcerated and to improve conditions and services in prisons, jails and mental institutions.
- * To test the ability and willingness of lawyers to act as agents for reform.
- * To conduct litigation aimed at establishing enforceable standards for the care of institutionalized people and for those who have been released.
- * To provide basic legal services for the poor and for those who do not have access to affordable, quality legal services.

Policy on Grant Applications:

A brief letter describing the program for which funds are requested is all that is required initially. The letter will serve as a preliminary proposal and will be answered as soon as possible. If the Foundation is to give further consideration, detailed information will be requested and a meeting arranged, if appropriate.

Deadline:

Proposals (letter) can be submitted any time.

Alcohol, Drug Abuse and Mental Health Administration Research Scientist Development and Research Scientist Award

No. FY79-14

The purpose of the Alcohol, Drug Abuse and Mental Health Administration Research Scientist Development and Research Scientist Program is to foster the development of outstanding scientists and to enable them to expand their potential for making important contributions in the fields of alcoholism, drug abuse or mental health research. This is accomplished by providing several types of awards to enable talented investigators to engage essentially full-time and on a long-term basis in research and related activities, and to enhance their skills and dedication to these areas of research. Awards are made to institutions on behalf of specific outstanding individuals, and it is intended that these awards assist recipient institutions in maintaining and expanding existing research programs or establishing new ones for studies concerning alcohol, drug abuse or mental health. Applications are encouraged for scientists working in a variety of institutions with research programs related to alcoholism, drug abuse and mental health--such as medical schools; departments of psychiatry; psychiatric hospitals or hospitals with psychiatric services; biomedical research institutes; and departments of behavioral science. Interdisciplinary research proposals are encouraged, and applications for both basic and applied research will be supported.

Two kinds of Research Scientist Development awards are available:

Type I, to support individuals with research potential who have the capacity to develop in experimental work, but who need additional training and experience in a productive scientific environment;

Type II, to support individuals with adequate training in research, who are prepared to design and conduct original research projects, but who need additional experience in order to realize their potential as experimental scientists.

Research Scientist Awards are available for senior investigators in appropriate departments and centers where institutional funds would not be available for support of such investigators in essentially full-time research positions. While most awards at this level represent continuance of Federal support following support at the development award levels, it is possible for initial support for a senior investigator moving into full-time research or moving to a new institution

to start with the Research Scientist Award.

A copy of the revised guidelines is available in the Office of Advanced Studies, Division of Research and Sponsored Programs.

National Science Foundation Alan T. Waterman Award

No. FY79-15

The National Science Foundation Alan T. Waterman Award Committee has issued a call for nominations of candidates for the fourth annual Award.

Intended to give recognition to an outstanding young researcher in any field of science, mathematics or engineering and to encourage further high quality research, the Award was established by the Congress in 1975 to mark the 25th anniversary of the National Science Foundation and to honor the first Director of the Foundation, Dr. Waterman.

In addition to a medal, the recipient receives up to \$50,000 per year for up to three years of advanced study in the mathematical, physical, medical, biological, engineering, social or other sciences at the institution of the recipient's choice.

Deadline for nominations for the 1979 Award to be received by the Award Committee at the NSF is December 31, 1978. Announcement of the Award will be made in May 1979.

Candidates for the Award must be U.S. citizens and must be 35 years of age or younger as of December 31, 1978. Candidates should have completed sufficient scientific or engineering research to have demonstrated, through personal accomplishments, outstanding capability and exceptional promise for significant future achievement. In addition, candidates should exhibit quality, innovation and potential for discovery in their research.

National Endowment for the Arts Composer/Librettist Fellowships

No. FY79-16

The National Council on the Arts and the Music Advisory Panel believe that it is a priority of the Music Program to encourage the creation and performance of music by Americans. Fellowships for Composers and Librettists were initiated in 1973 as the principal way of encouraging the creation of new musical works and of aiding the career development of composers and librettists. The Arts Endowment's Jazz program provides support for jazz composers.

The purpose of the Composer/Librettist Fellowship program is to encourage:

- * creation of new compositions or completion of works in progress;
- * creation of new librettos or completion of librettos in progress;
- * professional development of the composer or the librettist.

In order to serve its fields more effectively, the Arts Endowment is exploring new approaches to this and other areas of assistance. The program outlined in the guidelines remains basically unchanged from past years. However, please be aware that changes may be forthcoming in next year's guidelines.

Applications must be postmarked no later than November 15, 1978.

The Woodrow Wilson International Center for Scholars Wilson Center Fellowships

No. FY79-17

Scope:

Social sciences, natural sciences and humanities as well as law, journalism, business, diplomacy and government and other professions and occupations. Fellows are selected through two broadly defined divisions and four programs. The Division of Historical and Cultural Studies is devoted to research in all of the fields encompassed by the humanities and the liberal and creative arts, and especially areas relating to the concerns of inquiry to contemporary life. The Division of Social and Political Studies is designed to accommodate proposals in the fields of government and international relations, jurisprudence, sociology, economics, anthropology, psychology and other related disciplines.

The Kennan Institute for Advanced Russian Studies and the Latin American Program support advanced research on Russia and the USSR and on Latin America and Caribbean, respectively. The International Security Studies Program is concentrating on projects in decision making, bureaucratic interaction, threat perception and the use of history as an instrument of policy analysis. The Environmental Studies Program welcomes projects that examine the premises of environmental conservation, regulation and politics, both nationally and internationally.

Eligibility:

For Academic participants eligibility is limited to the postdoctoral level, and normally it is expected that academic candidates will have demonstrated their scholarly development by the publication of some major work beyond the Ph.D. Dissertation.

Stipend:

As a rule, the stipend will meet, but not exceed, the income rate for the preceding year.

Duration:

The Center's program is residential, and fellows are expected to devote full time to their research and writing. The fellowship normally extends from four months to a year.

Deadline:

October 1, 1978.

Application Forms:

For information and application forms contact:

The Woodrow Wilson International Center for Scholars
Smithsonian Institution Building - Room 321
Washington, D.C. 20560
Telephone: (202) 381-6247

Office of Education 1979-80 Teacher Exchange Program

No. FY79-18

Opportunities to attend a summer seminar or to teach abroad will be available under the Fulbright-Hays Act for the 1979-80 school year.

Elementary and secondary school teachers, college instructors and assistant professors are eligible to apply for participation in the teacher exchange program. Basic requirements are: U.S. citizenship, a bachelor's degree, three years of teaching experience for one-year positions and two years' experience for most seminars. Seminars for current teachers of art; the classics; German; Italian; world/Asian; world/Middle Eastern history, and of social sciences will be held in 1979.

Application should be made before November 1, 1978.

"Opportunities Abroad for Teachers, 1979-80" and application forms will be available in September and may be obtained by writing to:

Teacher Exchange Section
Division of International Education
U.S. Office of Education
Washington, DC 20202

National Science Foundation United States-France Exchange of Scientists

No. FY79-19

In furtherance of a decision by the governments of France and the United States of America to develop scientific and technical cooperation, a program for exchange of young scientists is jointly sponsored and administered by the National Science Foundation of the United States and the National Center for Scientific Research of France. Exchange awards are made for study or work in the mathematical, physical, chemical, engineering, biological and social sciences including economics. Awards will not be made in the medical sciences or in education or business fields.

Eligible individuals are citizens or nationals of the United States and France who will have earned, in the science areas designated in the preceding paragraph, a doctoral degree or its equivalent not more than 5 years prior to the commencement of the exchange visit. Foreign nationals in the United States with permanent resident status are not eligible to apply for awards under this program.

Eligible institutions are, for French candidates, any appropriate nonprofit United States institution, and, for American candidates, any appropriate nonprofit French institution. Appropriate nonprofit institutions in this program will be institutions of higher education; government research institutes, laboratories or centers; and privately sponsored nonprofit institutes.

The period of the exchange visit should be between 5 and 15 months. Shorter or longer visits, or extensions of time, may be approved upon adequate justification when recommended by the host institution.

The closing date for submission of applications is November 1, 1978.

Woodrow Wilson National Fellowship Foundation Women's Studies Program

No. FY79-20

Purpose:

To encourage original and significant research about women on such topics as the evolution of women's role in society and particularly contemporary America, women in history, the psychology of women and women as seen in literature.

Eligibility:

Students in doctoral programs in any field of study at graduate schools who have completed all pre-dissertation requirements.

Awards:

Winners will receive grants averaging \$1,000 to be used for research expenses connected with the dissertation.

Application:

Applications must be endorsed by the candidate's dissertation director and graduate dean. Supporting documents consist of graduate school transcripts, letters of reference, a dissertation prospectus, a statement of career plans and a timetable for completion of dissertation.

Deadline:

November 1, 1978.

Forms are available from:

Woodrow Wilson National Fellowship Foundation
Women's Studies Program
Box 642
Princeton, New Jersey 08540

National Endowment for the Humanities Summer Stipends 1979

No. FY79-21

This program provides support for college, university and junior and community college teachers and others working in the humanities to pursue two consecutive months in full-time study or research. The work proposed may pertain to the applicants' special expertise,

or it may be in some other area of interest that will enable them to improve their understanding and to increase their competence in their own field. The proposed project may be one that can be completed during the stipend period, or it may be part of a longer-range project.

Summer Stipends are intended for college, junior college and university faculty members and others working in the humanities who can make a significant contribution in their field. Applicants must have completed their formal academic training by the date of application.

Applicants employed by colleges or universities must be nominated by their institution. Applicants with terminating appointments or not employed by colleges or universities may apply directly to the Endowment.

Every college, university and junior and community college in the United States and its territorial possessions may nominate up to three members of the faculty or staff. Not more than two of the nominees should be in an early stage of their careers; i.e., junior nominees. Not more than one should be in a more advanced stage; i.e., a senior nominee. (For the purpose of this program, applicants who received their most advanced degrees in 1971 or later are considered to be junior nominees. Applicants who received their most advanced degrees prior to 1971 are considered to be senior nominees.)

The scope of Endowment support includes, but is not limited to, the study of the following: history, philosophy, languages, linguistics, literature, archaeology, jurisprudence, history and criticism of the arts, ethics, comparative religion and those aspects of the social sciences employing historical or philosophical approaches. This last category includes cultural anthropology, sociology, political theory, international relations and other subjects concerned with questions of value rather than quantitative matters. Studies in psychology, the social sciences or other fields which are predominantly empirical, clinical or methodological are not eligible for support. The Endowment also supports studies of the relationships between human values and science and technology.

The deadline for applications is October 16, 1978.

National Science Foundation Ethics and Values in Science and Technology

No. FY79-22

The central concern of the Ethics and Values in Science and Technology (EVIST) Program is with the ethical rules and social standards that govern the conduct of scientific and technological activities, including the selection of research priorities and the application of research results. These concerns extend from issues associated with the conduct of individual scientists and engineers and their professional organizations and institutions, to those arising out of the more general interactions of science, technology and society. Thus the program's primary objective is to support projects that seek to explore, analyze and help to resolve questions such as:

What obligations and constraints are or should be associated with the work of scientists and the work of engineers?

What are the appropriate limits of social accountability and freedom of inquiry as they affect scientific and technological activities?

What ethical problems and value conflicts are associated with new developments in science, with new developments in technology and with new uses of scientific information? How might these problems and conflicts be resolved?

What ethical problems and value conflicts are inherent in changing social standards, regulations and expectations that affect science and technology?

Against what ethical and social standards can and should decisions about research priorities and applications be judged?

How can the ability of scientists and engineers to recognize and deal with ethical problems associated with their work be enhanced?

To what extent can and should the ethical perceptions and social values of nonscientists be incorporated into decisionmaking processes involving science and technology?

The goal of the program is to support projects that will make a significant contribution to refining and enlarging the professional and public debate on these questions. Accordingly, highest priority is assigned to projects that deal with issues of demonstrable importance to nonspecialists in science and ethics and that include a well developed plan for disseminating their results to as broad a range of concerned individuals and groups as possible.

All projects supported by the EVIST Program must have both significant scientific or technological content and significant ethical or value content. They should clearly delineate the ethical or value problems involved and deal with them in as complete and as rigorous a manner as possible.

The program does not normally support projects to assess the social, political or economic effects of new technologies unless the primary objective of those projects is to explore ethical issues in the conduct of scientists or engineers, or the value dimensions of the decision processes which led to those effects. Nor does the program support projects whose principal aim is to clarify ethical theory as it applies to science and technology unless their results are accessible and likely to be of substantial interest to persons outside the formal discipline of ethics.

National Science Foundation Pre-College Teacher Development in Science Program

No. FY79-23

During 1978-79 the National Science Foundation will support a program of Pre-College Teacher Development in Science. The program is designed for the continuing education of elementary and secondary school teachers of mathematics and the natural and social sciences.

The major objectives of the Program are:

- * to improve teachers' knowledge of the subject matter of science; and
- * to develop and maintain communication and cooperation between scientists at colleges and universities and teachers in elementary and secondary schools.

A wide variety of projects have been supported in this program in previous years. While all projects subscribe to the major objectives of the Program, many projects have at the same time responded to particular special local regional or national needs identified by the proposers. Such special components have included, but are not limited to, improvements in science education teaching strategies, relating the teaching of science education required to enhance the flow of women and minorities into science careers, and the ethical issues posed by the interaction of science with society.

Within the context of the major program objectives, the Pre-College Teacher Development in Science Program encourages proposers to continue to be both sensitive and responsive to unique problems in elementary and secondary science education including the special needs of the junior high school and elementary school teacher, and new mechanisms for greater project efficiency, particularly at the elementary school level.

It should be noted that the educational and scientific merit of the proposed program as designed for the suggested audience is the primary consideration. Thus, responsiveness to any local or special needs should be a planning factor to be considered by proposers within the context of strengthening the scientific merit and educational effectiveness of projects.

The closing date for receipt of proposals is October 15, 1978.

The Indiana Committee for the Humanities Grants Available

No. FY79-24

Grants Available:

The Indiana Committee for the Humanities makes grants for programs which encourage public participation in the humanities. The primary criteria for grant awards are the appropriateness and role of humanities scholars and other humanists in the proposed project and the breadth and depth of the program's public impact. Projects are supported by grants from the National Endowment for the Humanities and by private donations.

Eligible Applicants:

Any non-profit Indiana organization, institution or ad hoc group, whether or not incorporated, may apply for a grant.

Project Formats:

Eligible projects include: discussions and debates; symposia and conferences; panels, workshops and lectures; exhibits, readings, film showings and performances in the context of humanities discussion or interpretation; research and publication projects meeting community needs; humanist residencies in community or social organizations; newspaper projects; slide-tape shows; programs for children; and humanities fairs and festivals. Media formats may include film, videotape, audiotape and live programming for radio, television, cablevision or institutional networks.

Ineligible Projects:

ICH does not support: political or social action or services; construction or renovation; classroom courses, or purchases of property or permanent equipment. Research, publication and programs in the creative and performing arts can be considered only as components of public projects concentrated in the humanities. No grants are made to individuals.

Humanists:

Humanists, usually more than one, must be centrally involved in both planning and presenting the project. Humanists are individuals who are actively developing or disseminating knowledge in those disciplines primarily concerned with values, ideas and language. Humanities studies include: literature; languages; linguistics; philosophy; ethics; theory and criticism of the arts; and those aspects of the social sciences concerned with values, customs, cultures and ideas.

The humanities as fields of study should not be confused with humanism as a philosophy of humanitarianism as a social movement.

Types of Grants:

- 1) Mini grants (\$2,000 or under) are processed monthly. Applicants may submit the "mini grant application form" directly or they may receive staff consultation in advance by submitting a "project prospectus form."
- 2) Regular grants (over \$2,000) are processed four times per year and require submission of a "project prospectus form" in advance of completing a "detailed proposal."

Project Prospectus Due

September 1, 1978*
December 1, 1978
March 1, 1979*
July 1, 1979

Project May Start

December 1, 1978*
March 1, 1979
June 1, 1979*
October 1, 1979

- 3) Major media grant (over \$2,000) applicants should submit the regular "project prospectus form" followed by a special "media grant application form." The asterisk (*) above denotes deadline dates for media grants, which are processed only twice per year.

Assistance:

A "project prospectus form" and Grant information booklet should be obtained from ICH before submitting an application. ICH staff, consultants and members are available to work with applicants in the preparation and development of proposals. Written and telephone inquiries are accepted.

Business and Professional Women's Foundation 1979-80 Lena Lake Forrest Fellowships and BPW Foundation Research Grants

No. FY79-25

The Business and Professional Women's Foundation announces the Lena Lake Forrest Fellowship Program and the BPW Foundation Research Grant Program, which support research pertaining to economic, educational, political, social or psychological factors affecting working women. Awards range from \$500 to \$3,000.

Eligibility:

Applicants must be doctoral candidates or post-doctoral scholars whose proposal for research has been approved by academic authorities in an accredited graduate institution or persons able to demonstrate that the proposed research will be conducted under standards of scholarship recognized at the doctoral level. Applicants must be citizens of the United States.

Application Procedure:

Applicants are required to write a preliminary letter requesting an application form and including a concise statement about the proposed research subject and the applicant's academic level. If the project meets the program criteria, an application form will be mailed. The application form, a complete summary of the proposed research, budget requirements, a graduate school transcript and four letters of recommendation must be submitted.

Deadlines:

Applications must be postmarked before January 1, 1979.

For Application Write To:

Business and Professional Women's Foundation
2012 Massachusetts Avenue, N.W.
Washington, D.C. 20036
Telephone: (202) 293-1200

Zonta International Amelia Earhart Fellowship Awards For Graduate Study in Aerospace- related Science and Engineering

No. FY79-26

Requirements:

A Bachelor of Science degree preparatory for graduate work in a field related to aerospace sciences or engineering; evidence of exceptional ability and potential; and commendable character are required.

Awards are made to women entering or continuing a full-time graduate program who have been accepted by an institution offering accredited courses in the applicant's area of study.

Stipend:

\$4,000.

Deadline:

Applications must be completed and submitted with requested materials before January 1, 1979.

For further information and application forms write to:

Zonta International
59 East Van Buren Street
Chicago, Illinois 60605
Telephone: (312) 939-3850

Inter-American Foundation Learning Fellowship on Social Change

No. FY79-27

Purpose:

To provide opportunities for scholars to learn about processes related to social change in Latin America and the Caribbean, the Inter-American Foundation is making available pre- and postdoctoral research fellowships.

Objectives:

- * To finance research in Latin America and the Caribbean.
- * To contribute research and scholarship on social change in Latin America and the Caribbean.
- * To provide an opportunity for scholars to learn about social change processes in association with Latin America and Caribbean scholars and practitioners.
- * To involve the academic community in learning about social change from a multidisciplinary and problem-oriented perspective.

Eligibility:

Doctoral and postdoctoral fellowships are open to scholars in the social sciences and professions with knowledge of Latin America or the Caribbean. Applicants must have a multidisciplinary background and should be concerned with the processes of social change from a problem-oriented perspective.

Priority Topics:

- * Appropriate technology--availability, generation and utilization by small farmers.
- * Effects of private efforts to supply public services.
- * Effects of credit, extension and marketing systems on small farmer income and productivity.
- * The productive role of women in urban slums.
- * Relationships between work-place and neighborhood organizations.
- * Cultural expression and social change.
- * Non-formal education, training and leadership patterns within representative organizations.
- * Problems of migration, rural-urban and international.
- * Differential effects of social, technological and economic changes in small growth-pole areas.
- * Distributional impact of large scale rural development projects designed to benefit the rural poor.
- * Rural production and credit problems in Paraguay.
- * Problems of Paraguayan Indians.

Stipends:

Vary from country to country, but average about \$550 per month.

Institutional Affiliation:

It is required that each fellow be affiliated with a Caribbean or Latin American institution.

Deadline:

Applications must be post-marked on or before December 5, 1978.

Application forms may be obtained by writing to:

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

Indiana Committee for the Humanities The Resource Center Alternative Public Schools

No. FY79-28

Alternative Public Schools is a 60-minute film documentary produced by Dr. Robert Arno of the Indiana University School of Education. Although the alternative school movement has reached almost bandwagon proportions, some cities have found alternative schools to be a mixed blessing. Alternative schools are now being used as a means of combating student disruption and as a means of achieving racial balance without mandatory busing. The film takes a close look at six cities with alternative experiments: Houston, Boston, Berkeley, Minneapolis, Cambridge and St. Paul.

Indiana residents may borrow Alternative Public Schools without charge from ICH. In addition, the Resource Center is able to provide special programming assistance to groups wishing to use the film in a public discussion. The Center will provide the film, a discussion leader and publicity and discussion materials--all without cost.

ICH also has available Who has the Right? a 30-minute videotape of the case of Helen Anderson, a fictional character. The issue focuses on involuntary commitment to a mental institution. The story is told through a "mock trial." Testimony is given by a psychiatrist, a social worker, Helen Anderson's husband and Helen Anderson herself.

The Resource Center also will help to produce a public program. Here is how it works:

"You pick the topic and we'll supply a film and discussion leader. If you want, you can choose one of our pre-designed programs, with topics ranging from 'aging' to 'public education,' from 'patient's rights' to 'historic preservation.' Or, if you prefer, we'll work with you to create a special program, one tailored to your particular needs."

For further information, contact:

Indiana Committee for the Humanities
The Resource Center
4200 Northwestern Avenue
Indianapolis, Indiana 46208
Telephone: (317) 925-7195

Indiana Committee for the Humanities Media Projects

No. FY79-29

Grants for media projects are offered to increase public access to, and understanding of, the subject matters and processes of the humanities: the history of individuals, cultures and societies; the interpretation of works of literature as they relate to society; the study of social, political, legal and religious systems and institutions and the philosophical examination of value questions.

Media projects are defined as the planning and creation of audio-tapes, videotapes, films or live public programming on radio, television, cablevision or an institutional network.

Deadline:

Prospectus - March 1, 1979.

Application - April 1, 1979.

Current Publications And Other Scholarly Works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

American Studies

Schlereth, Thomas J.

T.J. Schlereth. 1977. *It Wasn't That Simple*. American Association of Museums, Washington, D.C., 9 pp.

T.J. Schlereth. 1978. *Historic Houses as Learning Laboratories: Seven Teaching Strategies*. American Association for State and Local History, Nashville, Tennessee. 12 pp.

Stitch, Thomas

T. Stitch. 1978. Review of Old South and New. *The Review of Politics* 40(2).

T. Stitch. 1978. Three Catholic Bishops from Tennessee. *Tennessee Historical Quarterly* 37(1).

Art

Kinsey, Douglas

D. Kinsey. 1978. *Illustrations*. In, S. Kaplan and R. Kaplan, eds. *Humanscape: Environments For People*. Duxbury Press, Belmont, California.

Economics

Jameson, Kenneth P.

K.P. Jameson, J.H. Weaver, and R.N. Loo. 1978. Growth and equity: Can they be happy together? *International Development Review* 1:20-27.

English

McDonald, John J.

J.J. McDonald. 1978. A guide to primary source materials for the study of Hawthorne's Old Manse Period. Pages 261-312 in, J. Myerson, ed. *Studies in the American Renaissance*. Twayne, Boston, Massachusetts.

Government and International Studies

Sterling, Carleton W.

C.W. Sterling. 1978. Electoral college biases revealed: The conventional wisdom notwithstanding. *Western Political Quarterly* 31:159-177.

History

De Santis, Vincent P.

V.P. De Santis. 1978. Review of E.G. Williamson's *Florida Politics in the Gilded Age, 1877-1893*. *The American Historical Review* 80:530-531.

Modern and Classical Languages

Cervigni, Dino S.

D.S. Cervigni. 1978. The pilgrim's dream in *Purgatorio IX: Its meaning and function* L'Alighieri 19:3-17.

Rubulis, Aleksis

A. Rubulis. 1978. Ezezers. *Laiks* 30(59):2928.

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Psychology

Cacioppo, John T.

B.B. Walker, C.A. Sandman, and J.T. Cacioppo. 1978. Individual differences in the physiological concomitants of human operant heart-rate conditioning. *Psychophysiology* 15:287.

Sebastian, Richard J.

R.J. Sebastian, R.D. Parke, L. Berkowitz, and S.G. West. 1978. Film violence and verbal aggression: A naturalistic study. *Journal of Communication* 28:164-171.

Snyder, Charles W.

S.D. Berry and C.W. Snyder. 1978. Intensity effects of cortical polarization during consolidation. *Physiological Psychology* 6(2):223-225.

Sociology and Anthropology

Weigert, Andrew J.

A.J. Weigert and C.L. Johnson. 1978. An emerging faithstyle: A research note on the Catholic Charismatic Renewal. *Sociological Analysis* 39(2):165-172.

Theology

Whitehead, Evelyn Eaton.

E.E. Whitehead. 1978. Religious images of aging: An examination of themes in contemporary Christian thought. In, *Aging and the Elderly: Humanistic Perspectives in Gerontology*. Humanities Press.

SCIENCE

Biology

Craig, Jr., George B.

S. Ramalingam and G.B. Craig, Jr. 1978. Fine structure of the male accessory glands in *Aedes triseriatus*. *Journal of Insect Physiology* 24:251-259.

Esch, Harald

H. Esch. 1978. On the accuracy of the distance message in the dances of honey bees. *Journal of Comparative Physiology* 123:339-347.

Fuchs, Morton S.

M.S. Fuchs and S.H. Kang. 1978. Evidence for a naturally occurring inhibitor of oviposition in *Aedes aegypti*. Annals of the Entomological Society of America 71(4):473-475.

Kang, Suk-Hee

M.S. Fuchs and S.H. Kang. 1978. Evidence for a naturally occurring inhibitor of oviposition in *Aedes aegypti*. Annals of the Entomological Society of America 71(4):473-475.

Chemistry

Basu, Subhash C.

P. Bhattacharya and S.C. Basu. 1978. DNA polymerase activities in differentiating mouse neuroblastoma N-18 cells. Proceedings of the National Academy of Science, USA 75(3):1289-1293.

P. Bhattacharya, S. Basu, and H.J. Saz. 1978. Inhibition of DNA polymerase- α by nonhistone chromosomal proteins and concanavalin A. Federal Proceedings 37(6):1304.

S.C. Basu, M. Basu, K.A. Presper, A. Tang, and L. Hoffman. 1978. Glycolipid glycosyltransferase activities in animal cells-A genetic analysis. Federation Proceedings 37(6):1767.

Funabashi, Paul K.

*P.K. Funabashi and W.H. Hamill. 1978. A randomwalk model for spectral relaxation of trapped electrons in alcohols. Chemical Physics Letters 56(1):175-177.

Hamill, William H.

*D. Razem and W.H. Hamill. 1978. Activated and activationless localization and impurity trapping of the dry electron in methanol and propanol. Rate constants for solvated electrons. Journal of Physical Chemistry 82(13):1460-1465.

*P.K. Funabashi and W.H. Hamill. 1978. A randomwalk model for spectral relaxation of trapped electrons in alcohols. Chemical Physics Letters 56(1):175-177.

*D. Razem and W.H. Hamill. 1978. Temperature dependence of electron scavenging in ethanol and ethanol-0-d. Journal of Physical Chemistry 82(12):1347-1351.

Razem, Dusan

*D. Razem and W.H. Hamill. 1978. Activated and activationless localization and impurity trapping of the dry electron in methanol and propanol. Rate constants for solvated electrons. Journal of Physical Chemistry 82(13):1460-1465.

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Scheidt, W. Robert

J.T. Landrum, C.A. Reed, K. Hatano, and W.R. Scheidt. 1978. Imidazolate anion bridged metalloporphyrins of relevance to a model for cytochrome oxidase. Journal of the American Chemical Society 100(10):3232-3234.

Schuler, Robert H.

*M. Isildar and R.H. Schuler. 1978. On the precursor of fragment radicals in the radiolysis of normal alkanes. Radiation Physical Chemistry 11:11-15.

*G.W. Klein and R.H. Schuler. 1978. Oxidation of benzene by radiolytically produced OH radicals. Radiation Physical Chemistry 11(4):167-171.

Winicur, Daniel H.

*D.H. Winicur. 1978. Molecular asymmetry: A correlation between the anisotropy parameter of the polarizability and the shape of the electron-density contour diagram. Journal of Chemical Physics 68(8):3734-3736.

J.L. Fraites and D.H. Winicur. 1978. Differential elastic and quenching cross sections for Ar^ (^3p) and $\text{CO}_2(\text{X}^1\Sigma_g^+)$. Molecular Physics 35(4):927-939.

*Under the Radiation Laboratory

Mathematics

Nagano, Tadashi

B.Y. Chen and T. Nagano. 1978. Totally geodesic submanifolds of symmetric spaces, II. Duke Mathematical Journal 45(2):405-425.

O'Meara, O. Timothy

O.T. O'Meara. 1978. Symplectic Groups. Mathematical Surveys Number 16. American Mathematical Society, Providence, Rhode Island, xi + 122 pp.

Rose, Bruce I.

B.I. Rose. 1978. The aleph one categoricity of strictly upper triangular matrix rings over algebraically closed fields. Journal of Symbolic Logic 43(2):250-259.

Microbiology

Wostmann, Bernard S.

E. Bruckner-Kardoss and B.S. Wostmann. 1978. Oxygen consumption of germfree and conventional mice. Laboratory Animal Science 28(3):282-286.

Physics

Shephard, William D.

S.N. Ganguli, R.J. Hemingway, S.O. Holmgren, M.J. Losty, H. Muirhead, W. Kittel, C.L.A. Pols, W.D. Shephard, J.S. Vergeest, P.R. Lamb, and J. Wells. 1978. Inclusive production of lambda in the proton fragmentation region from $\text{K}^+\text{p} \rightarrow \text{AX}$ at 4.2 GeV/c. Nuovo Cimento 44A:345-366.

ENGINEERING

Aerospace and Mechanical Engineering

Huang, Nai-Chen

N.C. Huang. 1978. Finite Extension of an Elastic Strand with a Central Core. Transactions of the ASME. Journal of Applied Mechanics. Paper No. 78-WA/APM-7, 7 pp.

Mueller, Thomas J.

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Nee, Victor W.

V.W. Nee and F.B. Cheung. 1978. On the sudden vanish of a thin vertical plate in a free convection flow. Pages 199-204 in, Proceedings of the 6th International Heat Transfer Conference. Toronto, Canada.

Electrical Engineering

Melsa, James L.

- J.L. Melsa, D.R. Farris, and T.E. McDonald. 1978. A brief comparison of the inherent capabilities of conventional controller and linear regulator controllers. In, Proceedings of the Workshop on the Control of Solar Energy Systems for Heating and Cooling. Hyannis, Massachusetts.
- J.L. Melsa, D.R. Farris, and T.E. McDonald. 1978. Energy Conservation through adaptive optimal control for a solar heated and cooled building. In, Proceedings of the Workshop on the Control of Solar Energy Systems for Heating and Cooling. Hyannis, Massachusetts.

LAW

Bauer, Joseph P.

- J.P. Bauer. 1978. Challenging conglomerate mergers under section 7 of the Clayton Act: Today's law and tomorrow's legislation. Boston University Law Review 58:199-245.

MEMORIAL LIBRARY

Havlik, Robert J.

- R.J. Havlik. 1978. Review of J. Schulz's Data Systems Dictionary: English-Russian-German. Choice 15(3):379-380.
- R.J. Havlik. 1978. Review of Who's Who in Health Care. Choice 15(3):380.
- R.J. Havlik. 1978. Final report on the project Introduction of the Library Automation Program of the Indiana Cooperative Library Services Authority in the Cataloging Department of the University Libraries. Pages 86-95 in, Automated Acquisitions Kit 44. Association of Research Libraries Systems and Procedures Exchange Center.

RADIATION LABORATORY

Carmichael, Ian

- I. Carmichael. 1978. Solvated electron wavefunctions. Journal of Chemical Physics 68(10):4644-4650.
- I. Carmichael. 1978. Spectral moments of solvated electrons. Chemical Physics Letters 56(2):339-342.

Ferraudi, Guillermo

- G. Ferraudi. 1978. Photochemistry of macrocyclic copper (II) complexes. Photoinduced redox reactions of $\text{Cu}(\text{13-Ath})^{2+}$. Inorganic Chemistry 17(7):1741-1747.

Jacobsen, Clayton W.

- C.W. Jacobsen, H.K. Hong and S.J. Sheng. 1978. Laser induced resonance Raman and fluorescence studies of the α -hydronaphthyl radical in the irradiated naphthalene crystal. Journal of Physical Chemistry 82(13):1537-1540.

Maruthamuthu, P.

- P. Maruthamuthu and J.C. Scaiano. 1978. Biradical double trapping by nitric oxide. An electron spin resonance study. Journal of Physical Chemistry 82(14):1588-1591.

Paul, Henning

- H. Paul, R.D. Small, Jr., and J.C. Scaiano. 1978. Hydrogen abstraction by tert-butoxy radicals. A laser photolysis and electron spin resonance study. Journal of the American Chemical Society 100(14):4520-4527.

Scaiano, Juan C.

- P. Maruthamuthu and J.C. Scaiano. 1978. Biradical double trapping by nitric oxide. An electron spin resonance study. Journal of Physical Chemistry 82(14):1588-1591.

- R.D. Small, Jr. and J.C. Scaiano. 1978. Differentiation of excited-state and biradical processes. Photochemistry of phenyl alkyl ketones in the presence of oxygen. Journal of the American Chemical Society 100(14):4512-4519.

- H. Paul, R.D. Small, Jr., and J.C. Scaiano. 1978. Hydrogen abstraction by tert-butoxy radicals. A laser photolysis and electron spin resonance study. Journal of the American Chemical Society 100(14):4520-4527.

Sheng, Shan-Jen

- C.W. Jacobsen, H.K. Hong and S.J. Sheng. 1978. Laser induced resonance Raman and fluorescence studies of the α -hydronaphthyl radical in the irradiated naphthalene crystal. Journal of Physical Chemistry 82(13):1537-1540.

Small, Jr., Richard D.

- R.D. Small, Jr. and J.C. Scaiano. 1978. Differentiation of excited-state and biradical processes. Photochemistry of phenyl alkyl ketones in the presence of oxygen. Journal of the American Chemical Society 100(14):4512-4519.

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Ehmann, John E.

- J.E. Ehmann. 1977. Pension fund socialism and the future of the American economy. Cross Currents 27(4):426-436.

Monthly Summary

Awards Received

IN THE MONTH OF JULY, 1978

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Physics	Tomasch	Electronic tunneling from metals	Natl. Sci. Fdn.	81,200 28
Chemistry	Castellino	Plasminogen and plasmin: Structure and function	Natl. Inst. Health	36,936 12
Microbiology - Lobund Lab.	Pleasants	Factors in lysinoalanine nephrocyto- megalia	Food Drug Admin.	4,230 3
Cent. Study Man	Valdez, Aldous	Influence of Mexican-American family patterns on occupational placement	U.S. Dept. Labor	13,971 12
Electrical Eng.	Melsa, Cohn	Design of a microprocessor based on digital echo canceller	TELLABS, Inc.	5,136 3
Electrical Eng.	Melsa	Optimal control studies of a solar heating and cooling system	Los Alamos Scien. Lab.	8,000 7
Metal. Eng. Mat. Sci.	Fiore	Environment - assisted failure of FCC high alloys	Natl. Sci. Fdn.	92,584 18
Chemistry	Castellino	Phospholipid requirements in prothrombin activation	Ind. Heart Assocn.	4,000 12
Electrical Eng.	Gajda, Ajmera, Strieder	Modeling and modification of electro- magnetic properties	U.S. Air Force	57,278 12
Microbiology - Lobund Lab.	Pollard	Care and maintenance of germfree animals	Miles Lab., Inc.	8,000 12
Civil Eng.	Katona	Revision of finite element VISICE computer program	U.S. Navy	19,864 9
AWARDS FOR FACILITIES AND EQUIPMENT				
Chemistry	Freeman	Purchase of gas chromatograph - mass spectrometer	Natl. Sci. Fdn.	60,000 12
AWARDS FOR EDUCATIONAL PROGRAMS				
Civil Eng.	Irvine	Environmental health engineering training program	Environ. Prot. Agency	20,300 12
Administration	Gordon	Graduate fellowship program	Natl. Sci. Fdn.	20,113 12
SERVICE PROGRAMS				
Center Past. Soc. Min.	Dwyer	Needs assessment program	---	7,930 --
Center Past. Soc. Min.	Gallen	Notre Dame Center for Pastoral Liturgy	---	1,510 --
Center Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	---	276 --

Proposals Submitted

IN THE MONTH OF JULY, 1978

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Chemical Eng.	Carberry, Wolf	Nature and role of polymetallic clusters in oxidation catalysis	Natl. Sci. Fdn.	210,124 36
Civil Eng.	Katona	Finite element VISICE computer program for simplified user	U.S. Navy	19,864 9
Metal. Eng. Mat. Sci.	Fiore, Kosel	Microstructural effects in abrasive wear	Dept. Energy	172,325 24
Chemistry	Nowak	NMR studies of metals in kinases and related enzymes	Natl. Inst. Health	65,629 12
Chemical Eng.	Kohn, Luks	Experimental Co ₂ -hydrocarbon phase studies	Amoco Prod. Co.	26,139 10
Chemistry	Thomas	Nature of and photo-chemical induced reactions in microemulsions	Natl. Sci. Fdn.	309,561 36
Lobund Lab.	Wostmann	Studies on xylitol	Hoffman- La Roche, Inc.	11,942 --
Civil Eng.	Katona, Kelsey, Meinheit	Improvement of CANDE computer program for box concrete culverts	Dept. Transport.	95,095 21
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Lobund Lab.	Pollard, Wostmann	Research equipment related to the programs on cancer and heart disease	Fannie E. Rippel Fdn.	85,000 --

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF JULY, 1978

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	\$ 285,364	4	\$ 45,835	11	\$ 331,199
Facilities and Equipment	-	- - -	1	60,000	1	60,000
Educational Programs	-	- - -	2	40,413	2	40,413
Service Programs	-	- - -	3	9,716	3	9,716
Total	7	\$ 285,364	10	\$ 155,964	17	\$ 441,328

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	\$ 543,173	4	\$ 367,506	8	\$ 910,679
Facilities and Equipment	-	- - -	1	85,000	1	85,000
Educational Programs	-	- - -	-	- - -	-	- - -
Service Programs	-	- - -	-	- - -	-	- - -
Total	4	\$ 543,173	5	\$ 452,506	9	\$ 995,679

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
National Endowment for the Arts	Media Arts (In-Residence Workshops)	October 25, 1978
National Endowment for the Arts	Media Arts (Video Artists Fellowships)	October 16, 1978
National Science Foundation	Secondary School Students Science Training	October 25, 1978
Office of Education	College Work-Study Program	October 16, 1978
Office of Education	Graduate Programs in International Studies	October 31, 1978
Office of Education	Equipment and Materials to Improve Undergraduate Instruction	October 15, 1978
Office of Education	Handicapped Children's Early Education Program	October 20, 1978
Office of Education	Handicapped Research and Demonstration Program (field-initiated studies)	October 31, 1978
Office of Education	Supplemental Educational Opportunity Grants	October 16, 1978
Office of Education	Undergraduate Programs in International Studies	October 31, 1978

documentation

Summer Session Commencement Address

(Delivered by Elizabeth Christman, associate professor of American studies, at the summer commencement exercises, Aug. 4, 1978)

Honored provost, guests of many stations,
 I call you all to hail this grand event.
 Where in the sight of God and their relations,
 In caps and gowns that they were proud to rent,
 Summoned by deans with formal proclamations
 These graduates have been stamped "Intelligent."
 Their triumph at this moment is most sweet;
 They're now among the erudite elite.

Dear graduates, this victory came not lightly.
 Full many a summer did you toil and steam.
 Each credit hour meant that you must nightly
 Labor beneath a 25-watt beam.
 While moths and June-bugs circled impolitely
 And sweat poured off you in a sticky stream.
 When you lay down at last, for slumber ripe.
 The night-owl right next door began to type.

Most of you lived on budgets right penurious,
 No grants from Rockefeller, Sage, or Ford.
 A loan perhaps from some resource unsurious,
 Or stipend from your order's meager hoard.

Shopping the supermart, your thrift was furious,
With cheapie meals and snacks your shelf you stored.
You found the Oak Room's prices out of sight
And dined on cheese and crackers every night.

You came to summer school with no vacation--
"A change of scene would equally restore you!"
You packed in haste; no time for organization,
Keen to begin the bracing task before you.
Learning, you thought, would be a recreation.
"Enjoy" the verdant campus would implore you.
And then the classes started. What a shock!
Booklists longer than a city block.

Some of you sweated in the laboratory.
Some labored in the darkroom every night.
Some probed for metaphor and allegory
In Dante, Pinter, Twain, or Richard Wright.
Some hunted myths in old religious story,
Some surveyed music for liturgic rite.
Your papers bled with professorial ink.
You never got inside the skating rink.

There was the time you tirelessly pursued
A reference to complete your dissertation.
The more you searched the more did it elude.
You combed the stacks, until in desperation
You sneaked a quick novena to St. Jude
Who led you to the dusty publication!
You opened it with triumph, just a particle,
And found some felon had ripped out the article.

Your pile of work would scuttle the Titanic,
And when the summer's stress was at its peak,
Examinations driving you to panic,
The Baton Twirlers came to spend the week.
At every turn an adolescent manic
With sequined bathing suit and painted cheek
Was practicing gymnastics on the lawn
Accompanied by drums--she starts at dawn.

And finally to prove your erudition
You had to face the torment of the oral.
A most impressive scholarly commission
Would test to see if you deserved the laurel.
Could all the tortures of the Inquisition
Have been more cruel, inhuman, and immoral?
Four brainy, scornful giants set to chew
One puny, frightened, helpless victim--you!

Comprehensives, orals, sleepless nights,
Typists at midnight, marching bands at dawn,
Footnotes that wouldn't fit, and other blights,
Gamely you endured and stumbled on.
Now you have passed all tests and won all fights--
Why do you miss the hardships now they're gone?
Why do these woes in retrospect seem charming?
Have you gone bats? The switch is quite alarming.

Dear graduates, your change of heart expresses
The age-old truth of human contrariety:
As people in middle years, crowned with successes,
Cadillacs, boats, and jewelry to satiety,
Long for the days of home-made coats and dresses,
And furniture from the St. Vincent De Paul Society.
They recollect with sentimental tears
How happy were those anxious, toiling years.

Likewise the soldier, safe in civil life,
Often will "strip his sleeve and show his scars,"
Recalling with misty tenderness the strife,
The sodden trench, the comrades of his wars.

The widower too, who's lost his shrewish wife
Tearfully bores acquaintances in bars
With tales of his vanished marital delights,
Forgetting the screams, the lockouts, and the fights.

So here you sit, torn between tears and smiles,
Gazing on your degree from Notre Dame.
After so many years and so many miles
At last you hold the prize for which you came.
Suddenly all the crises and the trials
Are now the hours you wish you could reclaim.
Hard as it was, you crave another inning.
If only you could go back to the beginning!

What lesson, graduates, from this paradox?
Remember how good it felt to work so hard.
Press yourselves harder then, though the world mocks.
The struggle itself contains the real reward.
Accept the stiffer challenge when it knocks,
Remember the joys of battle-scarred.
Don't look for the easy job, the lazy scheme--
Don't let "Thank God it's Friday" be your theme.

Stretch yourselves out to other stern demands,
To tasks that almost seem beyond your measure.
The coveted diploma in your hands
Is not what yields today your keenest pleasure--
But all the furious toil for which it stands.
The way you outdid yourselves--that's what you treasure!
Emerson said it well, I'll just re-run it:
"The reward of a thing well done is to have done it."

Homily at Close of Summer Session

(The following homily was delivered by Rev. James Flanigan, C.S.C., on August 4, 1978 at the close of the Notre Dame Summer Session.)

A few years ago when my college class was getting together for a 10 year reunion, it became apparent that one classmate, who had the nickname "The Senator" because of his ready handshake and smooth talk, was having none of it. He let us know that he disliked the nickname and the characterization. He had changed, but we only saw him as he had been 10 years earlier.

A former art graduate student of mine recently returned to campus and showed the faculty her painting. The faculty expressed their opinion of it--complete with instructions on how to improve it. Later, reflecting on the experience she said,

"They'll just have to realize that I'm not their student any more; I'm a colleague now."

In my family there are so many male relatives named Donald that we have to distinguish them--Don, Donald, Donnie and now "Little Donnie." He is little now, but even if he grows to six feet tall, he will still probably be "Little Donnie."

Jesus returns to his home town. He has been travelling around the country doing and saying strange things.

He has just:

Calmed a raging sea,
Cast out a legion of deamons,
Given sight to the blind,
Cleansed the lepers,
And has even raised the dead.

The word around town was:

Who did all that? Jesus. Jesus who?

"You know--that Jesus who was born in a stable, not in a proper house,

--the one who used to watch the sheep with your son Benjamin.
--the one who ran away from home to Jerusalem when he was a boy.
--the one who worked in his father Joseph's carpenter shop.
--the one who stayed at home with Mary till he was 30 years old.

Oh! That Jesus; the one whose relatives live down the street.
He'll never amount to anything.
None of them ever have.

We don't let people change.
They have to remain as we have known them.
They have to stay in the little boxes we've built for them.
Then, we are safe.
Because then we can control them.
They don't change. But we do.

Jesus' neighbors couldn't accept what he was because they "knew" him.
No matter what he said or did they knew that he was:

--just an average man from Nazareth
(from which nothing good could come)
--of inferior origin
--from an insignificant family
--followed by a group of young men and a couple of women
--a man without education, money, office, dignity,
--not empowered by an authority
--not a member of any part
--not a 'real' teacher or rabbi."
(Hans Küng. On Being a Christian)

They heard him say strange things:
"Amen, Amen I say to you."
"this prophecy is fulfilled today in your sight."
"your sins are forgiven."
"before Abraham was I am."
"I and the Father are one."
"I am the living bread."

Jesus acted with authority.
He put himself above the law and the temple
above Moses
above the prophets.

But, still,
"His own received him not."

"He can't be all those things; He can't have done all those things. For after all,
'Isn't this the carpenter's son?
Isn't Mary known to be his mother?
Where did this man get such wisdom and miraculous powers?
Where did he get all this?
They found him altogether too much for them.'"

Jesus said to them;
"No prophet is without honor, except in his native place, indeed his own house."

Prophets are very unpopular people. They keep telling us what we don't want to hear.
They keep reminding us what we are like, and what we ought to be like.
They are always embarrassing us by the lives they live.

Isaiah
Jeremiah
Jesus
Francis
Ghandi
Martin Luther King
Sr. Teresa of Calcutta

It's so uncomfortable with them around. They make life so difficult for us.
They won't let us be! They are entirely too much for us!

But we, in our turn, have to be the same kind of people. We have to be prophets, too,
because we are Christians; because--we are Jesus!

Now that you graduates are leaving Notre Dame, will you be prophets?

--Will people be uneasy around you, not because you're so smart now, not because you have a degree or another degree or another degree, but because you're so wise?
--Not because you know a lot of facts, but because you have insight?
--Not just because you have read, studied, written, experimented, created--

But because you have done all that in faith.
Because you let people grow and change and be themselves.
Because you have learned that knowledge is a tool to be used for mankind;

to uplift
to feed
to encourage
to challenge
to save.

Like Jesus may you fill people with amazement.
May you have great wisdom, and may you use that wisdom to do wonderful things.
May you all be prophets--and be honored--even in your own home.
You will be honored there.

Bookstore Discount Policy

(Several problems have been observed at the Notre Dame Bookstore which make it necessary to restate the Bookstore discount policy.)

1. Faculty and staff will be granted a 10 per cent discount on most items. Employee identification cards must be presented at the time of purchase in order to obtain the discount.
2. Employee identification cards are non-transferrable except the card may be used by the employee's spouse. Faculty and staff children are not allowed to use the card for Bookstore discount purchases.
3. The discount opportunity is offered only for merchandise and textbooks which will be used by the employee, spouse or children. Employees may not utilize the discount where other persons are reimbursing them for the purchase price.
4. Discounts will not be processed on Saturdays of home football games. This is prompted by the large volume of people patronizing the Bookstore on football Saturdays and the many temporary workers necessary to deal with the increased volume.
5. Abuse of the discount policy may result in the cancellation of the discount privilege.

1978-79 Academic Calendar Revision

Fall Semester

Aug. 26-28	Sat thru Mon	Orientation and counseling for new students
Aug. 28	Monday	Registration for all students
Aug. 29	Tuesday	Classes begin at 8 a.m.
Sept. 6	Wednesday	Latest date for all class changes
Sept. 10	Sunday	Formal opening of the school year with Concelebrated Mass. (Subject to change)
Oct. 17	Tuesday	Midsemester reports of deficient students are due in Registrar's Office
Oct. 21-29	Sat thru Sun	Midsemester vacation
Oct. 30	Monday	Classes resume at 8 a.m.
<u>Nov. 3</u>	<u>Friday</u>	Last day for course discontinuance at Notre Dame
Nov. 9-16	Th thru Th	Advance registration for spring semester 1979
Nov. 23-26	Th thru Sun	Thanksgiving holiday begins at 12:30 p.m. on Wednesday, Nov. 22
Nov. 27	Monday	Classes resume at 8 a.m.
Dec. 13	Wednesday	Last class day
Dec. 14	Thursday	Study day (no examinations)
Dec. 15-21	Fri thru Th (noon)	Final examinations (No Sunday exams)

CLASS MEETINGS

MWF	42	TT	28
MW	29	TWT	43
MF	27	TTF	41
MTuW	44	TuF	28
MTT	42	TWF	43
MWTh	42		
MTh	27		
MTuF	42		
MThF	40		

(Wednesday p.m. classes
have one less meeting than
shown above due to Thanks-
giving holiday.)

NUMBER OF CLASS DAYS

	Mon	Tues	Wed	Thurs	Fri	Total
Aug.	0	1	1	1	0	3
Sept.	4	4	4	4	5	21
Oct.	4	4	3	3	3	17
Nov.	4	4	5	4	3	20
Dec.	2	2	2	1	2	9
Total	14	15	15	13	13	70

Spring Semester

Jan. 15	Monday	Orientation for new students
Jan. 16	Tuesday	Registration day
Jan. 17	Wednesday	Classes begin at 8 a.m.
Jan. 25	Thursday	Latest date for all class changes
Feb. 12-16	Mon thru Fri	Enrollment reservations for the fall semester 1979-80
Mar. 7	Wednesday	Midsemester reports of deficient students due in Registrar's Office
Mar. 17-25	Sat thru Sun	Midsemester vacation
<u>Mar. 30</u>	<u>Friday</u>	Last day for course discontinuance at Notre Dame
Apr. 13-16	Fri thru Mon	East holiday begins after last class day, Thursday, April 12
Apr. 17	Tuesday	Classes resume at 8 a.m.
Apr. 19-26	Th thru Th	Advance registration for the fall semester 1979-80 and for the summer session 1979
May 2-4	Wed thru Fri	Room reservations for the fall semester 1979-80
May 7	Monday	Last class day
May 8	Tuesday	Study day (no examinations)
May 9-15	Wed thru Tues (noon)	Final examinations (No Sunday exams)
May 18-20	Fri thru Sun	Commencement weekend

CLASS MEETINGS

MWF	44	TT	29
MW	29	TWT	44
MF	28	TTF	43
MTuW	43	TuF	28
MTT	43	TWF	43
MWTh	44		
MTh	29		
MTuF	42		
MThF	43		

NUMBER OF CLASS DAYS

	Mon	Tues	Wed	Thurs	Fri	Total
Jan.	2	2	3	2	2	11
Feb.	4	4	4	4	4	20
Mar.	3	3	3	4	4	17
Apr.	4	4	4	4	3	19
May	1	1	1	1	1	5
Total	14	14	15	15	14	72

Notre Dame Report Publication Schedule 1978-79

Those items accepted for the NDR Faculty Notes section are: faculty (all classes); administrators; professional specialists (e.g., radiation laboratory), and postdoctoral research candidates who teach at Notre Dame. The titles used will be those that appear in the official Faculty Roster, Report #4.

The Appointments category is only for University appointments such as deans, department heads, heads of committees, public relations and development professionals and advisory council members. This does not include appointments to faculty positions. The Honors category is comprised of non-University appointments in one's field and outright honors. It does not include fellowships, grants, etc. Any grants not published in the Awards Received section should be noted in the Activities section. To appear in Activities, the activity must be public (such as a presentation or leading a seminar) and should be related to the person's work at the University. Merely attending a meeting is not acceptable. Any items for Current Publications and Scholarly Works should be sent to the Office of Advanced Studies.

The only meeting minutes printed in the Documentation section are from the Academic Council, Faculty Senate, Graduate Council, Board of Trustees and Committee on Research and Sponsored Programs.

No activities or honors are printed ahead of the date, only after the fact. Also, nothing is printed over four months out of date. Notre Dame Report is published every two weeks and every month in the summer. An Index for the previous year comes out in August.

The following is the publication schedule for Volume 8 of the 1978-79 Notre Dame Report. Please note that all copy deadlines are on Mondays. We suggest that you retain these guidelines and schedule for future reference.

<u>Number</u>	<u>Copy Deadline</u>	<u>Publication Date</u>
1	Sept. 4, 1978	Sept. 15, 1978
2	Sept. 18	Sept. 29
3	Oct. 2	Oct. 13
4*	Oct. 16	Oct. 27
5	Nov. 6	Nov. 17
6	Nov. 20	Dec. 1
7	Dec. 4	Dec. 15
8	Dec. 18	Dec. 29
9	Jan. 8, 1979	Jan. 19, 1979
10	Jan. 22	Feb. 2
11	Feb. 5	Feb. 16
12	Feb. 19	Mar. 2
13	Mar. 5	Mar. 16
14	Mar. 26	April 6
15	April 9	April 20
16	April 23	May 4
17	May 7	May 18
18	May 28	June 8
19	June 18	June 29
20	July 16	July 27
Index	-----	Aug. 24

*No. 4 will be an updated version of the annual listing of University administrators, committees and the official faculty roster.

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

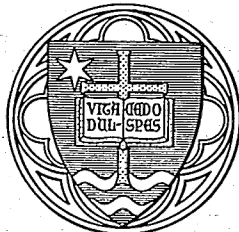
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