

notre dame report

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the university

andrews memorial scholarship fund endowed

The James F. Andrews Scholarship Fund has been endowed at the University to memorialize an alumnus and co-founder of Universal Press Syndicate (UPS), Fairway, Kan. Andrews Scholars will be part of the Notre Dame Summer Service Program in which students work in the area of social concerns.

Notre Dame's Center for Experiential Learning and its national Alumni Association will select Andrews Scholars to serve social needs in the cities of alumni clubs. Last summer's pilot projects took students to a Chicago Catholic Charities-sponsored child and family center; an Oakland County, Michigan, welfare rights organization; an Indianapolis inner city parish; a Catholic Worker community in Los Angeles, and neighborhood community organizations in Cleveland.

Andrews, who died Oct. 19, 1980, completed graduate work in philosophy at Notre Dame and was managing editor of the National Catholic Reporter before founding UPS with John P. McMeel in 1970. An initial gift of \$25,000 from UPS created the endowment and has been augmented by a memorial gift of \$25,000 from columnist Abigail Van Buren.

o'malley publication awards

Three members of the English faculty at the University have been honored as winners of the Frank O'Malley Publication Series Award in the College of Arts and Letters. The award honors a professor of English who taught at Notre Dame for 41 years before his death in 1974.

Dr. Donald P. Costello, professor of English and chairman of the American Studies program, has been honored for a scholarly monograph, "Fellini's Way," a study of the contemporary Italian filmmaker.

Dr. Sonia G. Gernes, a member of the faculty six years, receives the award in the creative class with her collection of original poems, "Brief Lives," and Dr. Gregory A. Schirmer, assistant professor, is honored for a scholarly monograph on Austin Clark, Irish patriot. Formal acceptance of manuscripts for publication by the Notre Dame Press provides an advance against future royalties of \$500.

natural labs for biology teachers

The University has converted several of Michiana's natural habitats into learning laboratories for the area's elementary school science teachers to roll up their sleeves and "do biology."

"The Web of Life, The Michiana Ecosystem as a Natural Laboratory" is an academic year program through which 24 teachers from grades four, five and six in schools in northern Indiana and southern Michigan meet on Saturday mornings to learn more about the sciences they teach area youngsters.

The 14 faculty members, experts in a variety of fields, represent Notre Dame, Saint Mary's College and Indiana University-South Bend. They teach the teachers about ecology, ecosystems and man's influence upon the natural environment. Their education takes them to many locations, including Stone Lake, Warren Woods and the South Bend Sewage Disposal Plant, as well as a classroom and laboratory on the Notre Dame campus.

The program has been funded by the National Science Foundation for three years, but next year's allotment of more than \$25,000 will probably be the last because of Reagan administration budget cuts. Persons interested should write to Dr. Richard W. Greene, the program's coordinator, in Notre Dame's biology department.

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faculty notes

appointments

Ray M. Powell, professor of accountancy, was named by the College of Business Administration as the 1981-82 Director of the Notre Dame London MBA Program. The appointment covers the period in London from August 10, 1981 through January 4, 1982, at which time he will return to his duties in the Business School.

honors

Linda S. Beard, assistant professor of English, has been awarded a Rockefeller Fellowship for a study of "The Human Cost of Apartheid: Unbridged Chasms in Contemporary Southern African Literature." Her literary analysis will be supplemented by interviews with important writers and critics and by firsthand experience of South African life.

Eileen T. Bender, assistant professor of English, has been elected to the Board of Editors for Soundings, a quarterly interdisciplinary journal published by Vanderbilt University.

John G. Borkowski, professor of psychology, has been appointed as Consulting Editor for the American Journal of Mental Deficiency.

Edward W. Krause, director of athletics, was honored with the "Outstanding Citizen Award" by the 4th Degree Knights of Columbus of Chicago, Ill., on April 26.

Rev. Ernan McMullin, professor of philosophy, received the Aquinas Medal of the American Catholic Philosophical Association. The medal was presented at the Association's annual convention in St. Louis, April 3-5.

Konrad Schaum, chairman and professor of modern and classical languages, was elected Executive Director of the Catholic Commission on Intellectual and Cultural Affairs.

Eugene Ulrich, associate professor and director of graduate studies in theology, has been awarded a Guggenheim Fellowship for 1981-82. His project is to work toward completing the editio princeps of the approximately 50 Qumran Biblical (Dead Sea) Scrolls allotted to the late Msgr. Patrick W. Skehan. He will complete the work of edition for a volume of Discoveries in the Judean Desert for Oxford Press.

activities

Willis E. Bartlett, associate professor of psychology, presented a paper entitled "A Multi-Dimensional Framework for the Analysis of Supervision of Counseling" at the annual meeting of the American Personnel and Guidance Association, held at St. Louis, Mo., April 19-22.

Eileen T. Bender, assistant professor of English, was the moderator of an open discussion titled "A Conversation with Duke and Bradlee" at a conference on "Business and the First Amendment" sponsored by the Indiana Committee for the Humanities, Nashville, Ind., April 5.

Gene M. Bernstein, assistant professor of English, presented a lecture entitled "Structural Anthropology and the Teaching of Literature" at Indiana University's conference "A Dialogue Between the Humanities and the Social Sciences: Sharing Materials and Methods," at Bloomington, Ind., on March 8.

John G. Borkowski, professor of psychology, served on an ad hoc NICHD study section on Human Development, in Washington, D.C., on March 10-13. He presented a paper with M. Reid and B. Kurtz on "Impulsivity and Strategy Transfer: Metamemory as Mediator" at the meetings of the Society for Research in Child Development in Boston, Mass., on April 4. He also presented a paper on "Metacognition and Special Children" at a conference at Memphis State University on the "Applications of Cognitive Theory to Developmental Psychology" on April 29-30.

Neal M. Cason, professor of physics, presented a seminar entitled "Amplitude Analysis of the $\pi^0\pi^0$ System" at Brookhaven National Laboratory, New York,

on Feb. 5. He also presented a seminar entitled "Use of Lead-glass Hodoscope to Study the Reaction $\pi^+\pi^-\rightarrow\pi^0\pi^0$ " at Duke University, Durham, N.C., on March 3.

Donald P. Costello, chairman and professor of American studies and professor of English, lectured on "Layers of Reality: Fellini's Quests and Discoveries in $8\frac{1}{2}$ " in the Italian Literary Voyages panel at the Ninth Annual Conference on Twentieth-Century Literature, at the University of Louisville, Feb. 26-28. He lectured on "Frederico Fellini as Man and Boy: A Study of $8\frac{1}{2}$ " in the Childhood and Fantasy panel at the Second International Conference on the Fantastic in the Arts, at Florida Atlantic University, Boca Raton, Fla., March 18-21.

Nancy L. D'Antuono, assistant professor of Spanish and Italian, presented an invited lecture on "The Decameron in Spain: Boccaccio and Lope de Vega," at Rosary College, River Forest, Ill., April 2.

Fabio B. Dasilva, professor of sociology and anthropology, organized a session on "Contemporary Theories of Interpretation," and presented a paper with Dennis M. Jay entitled "The Body in Crime and Punishment" at the annual meeting of the Southern Sociological Society, held at Louisville, Ken., April 8-11.

James P. Dougherty, associate professor of English, presented a paper on "Jane Addams: Culture and Imagination" at the Midcontinent American Studies Association meeting in Omaha, Neb., on April 10.

Thomas P. Fehlner, professor of chemistry, presented a lecture entitled "Metalloboranes: Clusters or Coordination Compounds?" at the Departments of Chemistry, University of Arizona, Tucson, on April 7, University of New Mexico, Albuquerque, on April 8 and Texas Tech University, Lubbock, on April 9.

G. Ferraudi, assistant professional specialist in the Radiation Laboratory, presented a seminar entitled "Photochemistry of Macrocyclic Complexes" at Rutgers University, Newark, N.J., April 9.

James F. Gaertner, assistant professor of accountancy, delivered a talk on "Foreign Currency Translation: Practices and Problems" at the International Accounting Conference at Indiana University, South Bend, on April 20.

Animesh Ghoshal, assistant professor of finance and business economics, presented a paper, "Appropriate Technology in Developing Countries," at the annual meeting of the Midwest Business Administration Association in Chicago on April 3.

Denis Goulet, O'Neill professor of education for justice, lectured on "Value Conflicts in Technology Transfer" at Symposium on International Transfer of Appropriate Technology in Health Care Systems at Duke University, April 6-7. He also lectured on "National Development Strategy in Sri Lanka: A People's Alternative" at a seminar on Public Policy and conducted a faculty seminar on "Goals, Processes, and Indicators in Development," at the University of Maryland, College Park, on April 8.

Patrick Horsbrugh, professor of architecture,

addressed a meeting for the encouragement and formation of a new society for the protection of historic fabric and environmental quality of Elkhart, April 21, in Elkhart, Ind.

James M. Johnson, assistant professor of finance and business economics, discussed a paper entitled "The Effect of Inflation on Financial Policy" at the annual meeting of the Midwest Finance Association in Louisville, Ken., on April 2-4.

Barry Keating, assistant professor of finance and business economics, delivered a paper titled "Government Cost Reimbursement Programs and Hospital Behavior" at the annual meeting of the Public Choice Society in New Orleans, La., on March 12-14. He presented a paper titled "Direct and Indirect Impacts of the Matchbook Safety Standard of the Consumer Products Safety Commission" at the 45th Annual Meeting of the Midwest Economic Association in Louisville, Ken., on April 2-4.

V. Paul Kenney, professor of physics, presented the Sigma Pi Sigma lecture on "Subnuclear Physics: Partons, Leptons, Gluons, Quarks, and All That" at Lake Forest College, Ill., on April 1.

Donald W. Kline, associate professor of psychology, gave invited addresses, "Sensory-Perceptual Aging" and "Visual Aging: A Transient Change?" at Hope College, Holland, Mich., April 9. He presented a lecture, "There's More to Visual Aging than Meets the Eye," at the Department of Psychology, Washington University, St. Louis, Mo., April 6.

John Matthias, professor of English, served as judge for the national poetry contest sponsored by the Jacksonville, Florida Arts Assembly and the University of North Florida. He gave a reading from his own work and led a poetry workshop during the Jacksonville Arts Festival on April 10-11.

Ralph M. McInerney, Grace professor and director of medieval studies and director of the Jacques Maritain Center, presented a lecture titled "The Case for Natural Law" at the 17th National Meeting of the Philadelphia Society, Chicago, Ill., April 10. He was also the commentator on a paper, "The Names of God and the Being of Names" delivered by Mark Jordan at the Philosophy of Religion Conference, Notre Dame, Ind., April 10.

Rev. Ernan McMullin, professor of philosophy, lectured on "Epistemic Values in Science," at an NEH conference on "Values in the Humanities and Sciences" at Rockford College, Ill., March 13-14. He took part in a panel discussion on "Employment Opportunities for Philosophers in the 1980's" at the annual meeting of the American Catholic Philosophical Association in St. Louis, April 3-5. At the same meeting, he delivered the Aquinas Medalist address on "The Motive for Metaphor." He spoke on "The Rational and the Social" at an international conference, "The Foundations of Science and Ethics," sponsored by the Volkswagen Foundation in Dubrovnik, Yugoslavia, April 6-10.

Kevin M. Misiewicz, associate professor and 1980-81 Coopers & Lybrand research fellow in accountancy, presented a paper, "An Analysis of the Bifurcated Tax Treatment of Income-Producing Expenses," at the 1981

Northeast Regional Meeting of the American Accounting Association in Boston, Mass., on April 24.

A. Mozumder, associate faculty fellow in chemistry in the Radiation Laboratory, presented a seminar entitled "Free Ion Yield in Condensed Media Including Organic Systems" at the Lawrence Radiation Laboratory, University of California at Berkeley, Calif., April 20.

Thomas J. Mueller, professor of aerospace and mechanical engineering, and an AIAA Distinguished Lecturer, presented a lecture entitled "Smoke Visualization: Path to Discovery," at the University of Syracuse on April 8, and at Calspan Corp. and the State University of New York at Buffalo on April 9.

Ruth Neta, a postdoctoral research associate in microbiology, presented a talk on "Regulation of *in vitro* Release of Lymphokines in Inbred Strains of Mice" at the 65th annual meeting of FASEB, Atlanta, Ga., April 13-17.

Alberta B. Ross, associate professional specialist in the Radiation Laboratory, presented a seminar entitled "Computer-Searchable Data Bases for On-Line Retrieval of Chemical and Physical Property Data" at Indiana University-South Bend on April 22.

Thomas J. Schlereth, associate professor of American studies, presented a paper, "Historical Research and Historical Museums," at the annual meeting of the Organization of American Historians in Detroit, Mich., April 2. He also delivered the Skinner Lectures in American History at Mount Holyoke College, South Hadley, Mass., April 7-9.

Kenneth L. Slepicka, assistant professor of aerospace and mechanical engineering, presented a paper entitled "Simulation as an Operations Management Technique for the Banking Industry," at the Midwest meeting of the American Institute for Decision Sciences in Detroit, Mich., April 16-17.

James P. Sterba, associate professor of philosophy, presented a paper, "The Welfare Rights of Distant

Peoples and Future Generations: Moral Side-Constraints on Social Policy," at the Pacific Division Meeting of the American Philosophical Association held in Portland, Ore., on March 26-28. He also presented an invited paper, "Human Rights: A Social Contract Perspective," at the American Catholic Philosophical Association Meeting held in St. Louis, Mo., on April 3-5.

Rev. Patrick Sullivan, C.S.C., consultant in the Student Affairs Office and the Center for Experiential Learning, lectured on "The Catholic Dimensions in Judaic-Christian Teaching on Labor-Management Relations" during a program on "Corporate Responsibility" at Bucknell University, Lewisburg, Pa., on March 19.

Lee A. Tavis, C.R. Smith professor of business administration, presented a paper on "Financial Management and the Multinational Firm" at the annual meeting of the Midwest Finance Association in Louisville, Ken., on March 24. He also presented a seminar on "The Transitional World: A Strategic Planning Challenge" for the Tenneco Planning Models Conference in Houston, Tex., on April 14.

Willbann D. Terpening, assistant professor of management, chaired a session on "Methodological Frontiers of Organizational Analysis" at the annual meeting of the Midwest Division of the Academy of Management on April 10, in Chicago.

Ronald H. Weber, professor of American studies, served as a discussion leader for a workshop at a conference on "Business and the First Amendment" sponsored by the Indiana Committee for the Humanities, Nashville, Ind., April 5.

Charles K. Wilber, professor of economics, gave a lecture on "Problems in the Mass Transit Industry" at the University of Alabama, Birmingham, on March 6, and at Michigan State University, East Lansing, on March 13.

documen- tation

faculty committee for university libraries minutes march 2, 1981

Present: Harvey A. Bender, Vincent P. DeSantis, Lloyd R. Ketchum, Jr., John R. Malone (chairperson), Robert C. Miller, James E. Robinson.

The minutes of the Feb. 9, 1981 meeting were approved for publication.

The meeting originally scheduled for April 6th has been changed to April 20th at 4:00 p.m.; Dr. Frick will attend this meeting.

A letter of complaint regarding the Libraries' microtext facilities and services and Miller's response were read to the Committee. It was the consensus that no further action is necessary at this time.

M. Gleason joined the meeting to discuss the Collection Analysis Project, which had earlier been approved by the Committee. The Study Team's Interim Report of Phase I, which reviewed the environmental background and the history of the Libraries in order to isolate factors which have or will influence the development of the collections and identified those areas which require further study, had been distributed to Committee members. This Interim Report recommended the establishment of five Task Forces, each chaired by a member of the Study Team, as follows: Operating Practices in Collection Development; Collection Assessment; Preservation of Library Materials; Resource Sharing; and Budget Allocation. These Task Forces will conduct detailed analyses of the identified problem areas and, where appropriate, their findings will be incorporated into the Study Team's specific recommendations in the Final Report. Briefly summarized, the charges to these Task Forces are:

Operating Practices in Collection Development (K. Blackstead, chair) is to review, document and analyze the organization of the Collection Development Department and its coordination with the Acquisitions Department; the effectiveness of the liaison-selector structure and of current methods of selection, including the role played by acquisitions policies.

Collection Assessment (S. Hayes, chair) is to review previous and current assessment activities at Notre Dame and to study various quantitative and qualitative measures of collection effectiveness by conducting collection-oriented assessments or representative segments of the collection and completing a user-oriented assessment. The results of these will guide future evaluation efforts.

Preservation (J. Neal, chair) is to identify and assess current library practices and policies regarding preservation, conservation and security of the University Libraries' collections and to document and analyze current and future needs.

Resource Sharing (K. Goold, chair) is to examine and evaluate current resource sharing and explore other avenues for cooperation with close attention to their costs and consequences.

Budget Allocation (M. Gleason, chair) is to investigate and describe present budgeting practices and methods of allocating acquisitions funds; examine present and potential use of endowment income; determine desirable objectives to be achieved by allocation; and evaluate possible impact of factors that might be used in determining allocations.

All Task Forces have been requested to submit the results of their studies and their recommendations by May 15, 1981.

The meeting adjourned at 5:30 p.m.

advanced studies

notes for principal investigators

Department of Energy (DOE) Administration and Renewal Process, Special Research Contracts

Over the past years it has been DOE's practice to send reminders of contractual provisions which impact on the continuation of contract coverage, funding, etc. These initiatives have reflected DOE's management policy to maintain a proactive contract administration process geared to preventing renewal and funding problems. In spite of efforts to be responsive, there continued to be situations wherein contract renewals included retroactive effective dates in order to provide unbroken contractual coverage.

It has been long recognized that retroactive effective dates in contracts were undesirable. However, the practice has continued. DOE must now implement a system which will preclude any retroactive dating of contracts. The department has mandated that the practice stop on Aug. 1, 1981.

DOE will make every effort to continue sending reminders and notices of required actions on submission of renewal proposals. However, it is clearly the

responsibility of principal investigators and the University to assure compliance with all contract provisions regarding renewal proposals, funding limitations, notifications to the contracting officer, etc.

Pursuant to the SRC contract provisions, renewal proposals, to continue contract coverage, must be received by the contracting officer no later than 120 days prior to the expiration date stated in the contract.

Proposals for other than continuation of existing work should be sent directly to the Unsolicited Proposal Section of the Procurement and Assistance Directorate, U.S. Department of Energy, Washington, D.C. 20585.

National Institutes of Health National Eye Institute

New knowledge concerning the normal functions of the eye and visual system, the pathology of visual disorders and the sciences relating to the vision is essential to progress against the major causes of blindness and visual disability.

Working to this end, the National Eye Institute (NEI):

- Supports research and research training aimed at improving the prevention, diagnosis and treatment of visual disorders through grants, fellowships and contracts to academic and research institutions;
- Conducts laboratory and clinical research in its own facilities and statistical and epidemiological studies of visual disorders in human populations;
- Fosters research on the rehabilitation of the visually handicapped;
- Encourages the application of research findings to clinical practice;
- Heightens public awareness of vision problems and
- Cooperates with voluntary organizations that engage in related activities.

National Institutes of Health Division of Research Resources

The Division of Research Resources (DRR) administers programs aimed at developing and ensuring the availability of resources essential to the efficient and effective conduct of human health research. DRR programs are primarily institutional in nature and generally support is given through resource grants.

information circulars

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

Extension 4487, for information on federal government programs.

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

NIH - National Cancer Institute New Investigator Research Award

No. FY81-616

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Cancer Institute
Dr. Thomas J. King
(301) 496-5147

(From 1981 ARIS)

NIH - National Institute on Aging Nutrition in Relation to Health of the Aged and Aging Process

No. FY81-617

Program:

NIA encourages applications for grant support to study the effects of nutrition on the aged and the aging process, including social as well as biological factors. Areas of interest to NIA (but not necessarily the only areas of support) include: nutritional status and requirements of the aged, including the influence of therapeutic modalities (amino acids, protein, etc.) on nutritional status; the effects of socioeconomic factors on dietary intake; the effects of dietary changes on health, longevity, pathologic processes, etc., nutrition, cellular structure and function as a function of age; identification and characterization of specific models for nutrition and aging research.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Biophysiology and Pathobiology of
Aging Program
Building 31, Room 5C-35
(301) 496-9350

(From 1981 ARIS)

NIH - National Institute on Aging Function of the Aging Musculoskeletal System

No. FY81-618

Program:

NIA is seeking applications using either animal models or clinical studies to investigate areas in function of the aging musculoskeletal system. Exercise physiology and orthopedic research are two important suggested areas for investigation.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Biophysiology and Pathobiology of
Aging Program
Building 31, Room 5C-35
(301) 496-9350

(From 1981 ARIS)

**NIH - National Institute on Aging
Studies on Overnutrition and Obesity**

No. FY81-619

Program:

NIH is increasingly emphasizing the development of program interests on a trans-institute basis. Specifically, NIH has identified six key areas for inter-institute coordination: Cystic fibrosis, diabetes, arthritis, genetic disease, nutrition and epidemiology. NIH has established coordinating committees in these areas to further the process of program development, incorporating representatives from bodies outside NIH, e.g., ADAMHA, in the planning process. The functions of the committees include improved exchange of information and reporting systems; focused stimulation of research in the special emphasis areas; encouragement of joint sponsorship of workshops, conferences and symposia and the promotion of shared facilities and collaboration in the development of joint programs. The following section lists these trans-NIH initiatives and where applicable, the key questions of direction.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Biophysiology and Pathobiology of
Aging Program
Building 31, Room 5C-35
(301) 496-9350

(From 1981 ARIS)

**NIH - National Institute on Aging
Social and Behavioral Research on Aging**

No. FY81-620

Program:

This program is concerned with the social, cultural, economic and psychological factors that affect both the process of growing old and the place of older people in society. Four major emphases are: the dynamic character of aging; the interrelatedness of old age with earlier ages; the cultural variability of aging and the multiple facets of aging. In addition, three major categories for relevant research within the program are:

- Psychological and social components of the aging process: includes research of the biopsychological

and cognitive aging process such as physiology of aging (genetic, neurological and endocrine processes); perception and sensation (vision, audition, taste and smell, pain, touch, time perception) psychomotor skills (muscular strength, reaction time, complex tasks); cognition and intelligence; memory, learning, attention, emotional arousal and motivation; creativity and wisdom. It also includes the social psychological and social aging process, i.e., personality traits, attitudes, socialization, sex role, etc.

- Older people in the changing society: includes research topics related to age composition of the population, patterns of migration, rural-urban residence, morbidity, mortality and causes of death as well as age-related societal structures, i.e., laws, inequalities of income, age-based conflict, education, etc.

- Older people and social institutions: includes research on family and kin networks, friendships, economic, religious, educational, political, health, welfare and leisure institutions.

Three special criteria for assessing grant applications for this program are: conceptual clarity, substantive integration and appropriate research design. Mechanisms of support include research project grants, special research awards and special initiative awards (Nov. 1 deadline); and postdoctoral fellowships (NRSA), senior fellowships, clinical investigator awards, RDCA's, program project grants and institutional training grants (Oct. 1 deadline).

Deadline:
June 1, and July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Dr. Matilda Riley, Associate Director
Building 31, Room 5C-27
(301) 496-3136

(From 1981 ARIS)

**NIH - National Institute on Aging
Minority Aging**

No. FY81-621

Program:

This program focuses specifically on aging among racial and ethnic minorities and how that process compares with the majority of white population. The program is for psychosocial rather than biomedical research.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Social and Behavioral Research
Dr. Matilda Riley, Associate Director
Building 31, Room 5C-27
(301) 496-3136

(From 1981 ARIS)

NIH - National Institute on Aging Aging and Bereavement

No. FY81-622

Program:

NIA is soliciting grant applications dealing with the responses of elders to bereavement, with special emphasis in differences based on sex, ethnicity and cultural factors. Areas for investigation might include periods of highest risk, the role of psychological and social supports (especially religion), personality characteristics and differential responses among a study population.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Social and Behavioral Research
Building 31, Room 5C-27
Ms. Shirley Bagley
(301) 496-3136

(From 1981 ARIS)

NIH - National Institute on Aging Retirement and Aging

No. FY81-623

Program:

NIA is encouraging studies of the factors associated with retirement and aging, social and biomedical, with the goal of minimizing the adverse effects of retirement on society and the individual. Areas of research might include: (1) elements in the retirement decision by age, sex, race, etc.; (2) the impact of retirement on the individual; (3) the demographic, social and economic aspects of work/retirement; (4) developing functional performance indices of aging by occupation, sex, race, etc.; (5) factors related to successful/unsuccessful adjustment to retirement and (6) social roles in retirement and their relationship to health.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Social and Behavioral Research
Building 31, Room 5C-27
(301) 496-3136

(From 1981 ARIS)

NIH - National Institute on Aging Special Initiative Grants for Research on Aging

No. FY81-624

Program:

The purpose of these grants is to enhance the quantity and quality of gerontological research and develop its institutional framework. Support will be provided for a maximum of three years with direct costs not to exceed \$60,000 per year (salaries, honoraria, simposia, travel and supplies). Other expenses will be judged on an individual basis. Goals include building institutional capacity for aging research, new or existing. Requests may fall within the following broad areas: Biology of aging, medical and clinical aspects of aging, psychological and behavioral aspects of aging and social and societal aspects of aging. Research proposals must contain research focus and substantive plan, evidence of research capability, organizational capacity for an integrated approach and the identification of a suitable investigator.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Office of Planning and Extramural Affairs
Building 31, Room 5C06A
(301) 496-9322

(From 1981 ARIS)

NIH - National Institute on Aging New Investigator Research Award

No. FY81-625

Program:

This award collates under a single title, NIRA, elements of all new and young investigator awards given by the various institutes. The NIRA is made to the awardee's parent institution and provides salary support of up to \$25,000 per year plus fringe benefits for periods of up to three years (non-renewable) to encourage new, inexperienced investigators (including those who have interrupted early promising research careers) in basic or clinical science disciplines to develop their research interests and capabilities in biomedical and behavioral research. The principal investigator must have a doctorate degree or equivalent with no more than five years of research experience. The research areas for each institute and the information contacts are as follows:

National Institute on Aging

(Dr. Don Gibson, (301) 496-5398):

Research on the biological processes of aging at the cellular, tissue, body system and whole organism level; clinical research on the medical problems and diseases of the aged and the social, cultural, economic and psychological factors affecting both the aging process and the status of older people in society.

National Institute of Allergy and Infectious Diseases
(Dr. William I. Gay, (301) 496-7291):

Research with clinical relevance in virology, immunology, mycology and tropical diseases.

National Institute of Arthritis, Metabolism and

Digestive Diseases (Dr. George Brooks, (301) 496-7277): Research in diabetes, endocrinology, metabolism, digestive diseases, liver and pancreas diseases, nutrition, hematology, renal physiology, renal pathophysiology, urology, chronic renal diseases, arthritis, bone diseases and skin diseases.

National Cancer Institute
(Dr. Thomas J. King, (301) 496-5147):
Research in cancer etiology, prevention, detection, diagnosis, treatment, restorative care and cancer biology.

National Institute of Child Health and Human Development (Dr. Betty Pickett, (301) 496-1848):
Research relating to: Mothers and children, including pregnancy and infancy, developmental biology and nutrition, mental retardation, child and adolescent development and population, including reproduction, fertility-infertility control, social and behavioral aspects of reproduction and population change.

National Institute of Dental Research
(Dr. George Hausch, (301) 496-7748):
Research in cariology, mineralization, cranio-facial anomalies, nutrition, dental pain control, periodontal diseases, restorative materials, salivary secretions, soft tissue diseases and selected behavioral studies.

National Institute of Environmental Health Sciences
(Dr. Edward Gardner, (919) 755-4021):
Research in the general areas of epidemiology, identification of environmental hazards, test methods for risk assessment, pollutant pharmacokinetics in both the body and the external environment and molecular and cellular mechanisms of damage.

National Eye Institute
(Dr. Edward Gardner, (919) 755-4021):
Research related to vision and disorders of the visual system; retinal, choroidal and corneal diseases, cataract, glaucoma, sensory and motor disorders and rehabilitation.

National Institute of General Medical Sciences
(Dr. Elizabeth O'Hern, (301) 496-7001):
Research in anesthesiology, trauma and burns. Investigators must have an M.D. degree at the time of the award and must present evidence of prior research experience.

National Heart, Lung, and Blood Institute
(Dr. Jerome Green, (301) 496-7416):
Research in areas related to heart, vascular, lung and blood diseases and blood resources.

National Library of Medicine
(Dr. Roger Dahlen, (301) 496-4221):
Research information science for representation of medical knowledge and its application to the health care system, computer based systems, new methods of classifying, indexing and abstracting information.

National Institute of Neurological and Communicative Disorders and Stroke (Dr. John Dalton, (301) 496-9248):

Research in basic and clinical neurosciences and in basic and clinical communicative sciences.

Division of Research Resources
(Dr. James O'Donnell, (301) 496-6023):

Research in the following technological areas: computer science applications in medicine, biomedical engineering, nmr, esr, electron microscopy or biomedical kinetics. Research in laboratory

animal sciences related to etiology, pathogenesis and environmental requirements of laboratory animals and studies on animal models of human disease.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Office of Planning and Extramural Affairs
Building 31, Room 5C06A
(301) 496-9322

(From 1981 ARIS)

**NIH - National Institute of Child Health and Human Development
Mental Retardation and Developmental Disabilities Branch
Behavioral and Social Science Research in Mental Retardation.**

No. FY81-626

Program:
Research project grants are available from NICHD for research on the behavioral and social aspects of mental retardation in the following areas of emphasis: (1) Prevention of MR in children from psychosocially disadvantaged homes; (2) Impact on development and behavior or recent trends and changes in living arrangements and specific settings for retarded persons; (3) Intervention with children at biological risk for retardation; (4) the effect of mental retardation on caretaking behavior and interpersonal relationships; (5) Development of methodologies for assessing the effects of social environment on cognitive and social/emotional development of retarded children; (6) the impact of teratogens on behavior, cognitions and social functioning; (7) the role of genetics in the learning and behavior of persons with specific MR syndromes. NICHD requests that applicants send a copy of the application cover letter to the address indicated.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute of Child Health and Human Development
Mental Retardation and Developmental Disabilities Branch
Dr. Theodore Tjossem, Chief
Landow Building, Room 7C-18
(301) 496-6591

(From 1981 ARIS)

**NIH - National Institute of Child Health and Human Development
Human Learning and Behavior Branch**

No. FY81-627

Program:
The Human Learning and Behavior Branch is concerned

with the development of human behavior, from infancy through childhood and adolescence, into early maturity. Studies are supported in developmental psychobiology, learning, cognitive and communicative processes, social and affective development and health-related behaviors, as well as learning disabilities, dyslexia and language disorders. Unsolicited research proposals are especially welcome in the areas of child and adolescent development and learning disorders.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Institute of Child Health
and Human Development
Human Learning and Behavior Branch
Landow Building, Room 7C-18
(301) 496-6591

(From 1981 ARIS)

**National Science Foundation
Special Foreign Currency Program:
Travel Grants to India and Pakistan**

No. FY81-628

Program:

Grants to permit U.S. scientists to travel to India and Pakistan to attend international scientific meetings, seminars, conferences, congresses or to give lectures and to enable U.S. scientists to travel to these countries for the purpose of reaching final agreement on the nature, scope and conditions of a project proposed for NSF consideration. The award consists of a prepaid nontransferable ticket; requests should be made in the dollar equivalent of the currency requested.

Deadline:

June 1, 1981.*

*For travel between Oct. 1 and Dec. 31, 1981.

For Further Information, Contact:

National Science Foundation
Directorate for Scientific, Technological
and International Affairs
Division of International Programs
Africa and Asia Section
Karl Olsoni
Room 1208
(202) 357-9550

(From 1981 ARIS)

**American Institute of Physics and U.S. Steel
Foundation
Science Writing Award in Physics
and Astronomy**

No. FY81-629

Program:

A single prize of \$1,500 and a certificate and a

stainless steel Moebius strip, plus travel and accommodations expenses for the receipt of the award will be granted to the author of an outstanding article, booklet or book written in English which addresses itself towards improving the public understanding of physics and astronomy. Textbooks and material from professional level scientific, technical and trade publications are not eligible. The manuscripts must be the work of physicists, astronomers or members of AIP member and affiliated societies who are citizens or permanent residents of the U.S., Canada or Mexico. The entries must have been published in the above countries between June 1, 1980 and May 31, 1981; as many as three entries written by a single author or group of authors may be submitted. Collaborative efforts will be considered as a single entry.

Deadline:

June 15, 1981.

For Further Information, Contact:

American Institute of Physics and
U.S. Steel Foundation
Dr. William H. Koch
335 East 45th Street
New York, N.Y. 10017
(212) 661-9404

(From 1981 ARIS)

**American Nuclear Society
Mark Mills Award**

No. FY81-630

Program:

A \$500 award to a graduate student author who submits the best original technical paper contributing to the advancement of science and engineering related to the atomic nucleus. The student must have registered in a graduate degree program in a recognized institution of higher learning after January 1, 1980. Graduate student applicants must have completed the work on which the paper is based in 1980 or in the first four months of 1981 and must be nominated for the award by their faculty advisory. A thesis is not acceptable for this award; the paper, however, may have been previously published.

Deadline:

June 1, 1981.

For Further Information, Contact:

American Nuclear Society
555 North Kensington Avenue
LaGrange Park, Ill. 60525
(312) 352-6611

(From 1981 ARIS)

**Social Science Research Council
Doctoral Dissertation Grants**

No. FY81-631

Program:

Grants up to \$10,000 for a one year period in fields

of study which relate to employment and training (e.g. economics, sociology, social work, psychology, education, etc.). Awards are made to academic institutions for the use of the candidates and may be used for stipend support, allowances for dependents, clerical assistance, travel, communication services, computer time and other materials and supplies. Stipends are based on the percentage of time the student works directly on the thesis. Cost-sharing by the institution is required. The university may receive indirect costs and an allowance for tuition and fees up to \$2,500. The council requires an application from the academic institution and a study proposal from the graduate student. There are no printed application forms.

Deadline:
June 1, 1981.

For Further Information, Contact:

Social Science Research Council
1755 Massachusetts Avenue NW
Suite 410
Washington, D.C. 20036
Joseph Epstein, Director
(202) 667-8884

(From 1981 ARIS)

University of Missouri INGAA - Missouri Business Journalism Awards

No. FY81-632

Program:

Annual awards of \$1,000 each to writers in the areas of business, economics and finance for journalistic publications in the calendar year ending each May 31. Material appearing in company and professional journals and annual reports is excluded. The material must have appeared in U.S. publications and been concerned with American business.

Deadline:
June 10, 1981.

For Further Information, Contact:

University of Missouri
James K. Gentry, Director
Business Journalism Awards Program
School of Journalism
Neff Hall
Columbia, Mo. 65211
(314) 882-7862

(From 1981 ARIS)

Department of Justice National Criminal Justice Reference Service Unsolicited Research Proposals

No. FY81-633

Program:

Approximately \$1,000,000 is available in FY81 to support research projects (ranging from \$10,000 to

\$120,000) within any area included in the broad mandate of NIJ. Eligible projects include: (1) relatively small research projects for which there are few alternative funding mechanisms; (2) projects conducted by qualified researchers relatively new to the criminal justice field; (3) research projects with innovative methodological approaches; (4) basic or applied research on interdisciplinary subject areas; (5) exploratory studies and (6) research aimed at developing practical applications to criminal justice problems.

Deadline:
June 30, 1981.

For Further Information, Contact:

Department of Justice
National Criminal Justice Reference Service
P.O. Box 6000
Rockville, Md. 20850

(From 1981 ARIS)

Leukemia Society of America, Inc. Grant Applications for 1982

No. FY81-634

Program:

Awards are in three categories:

1. Five-year scholarships for \$125,000.
2. Two-year special fellowships and fellowships for \$37,000 and \$30,000, respectively. All candidates must hold doctorate degrees at the time the grants are activated. Only one application in each grant category from an institution will be considered. In no case will an individual who has attained the tenured rank of associate professor be eligible.

Deadline:
Sept. 1, 1981.

Guidelines and Applications:

For a copy of detailed guidelines and an application form, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433.

National Endowment for the Humanities 1982 Summer Seminars for College Teachers

No. FY81-635

Purpose of Program:

The purpose of the Summer Seminar program is to provide opportunities for teachers at undergraduate colleges and universities and at junior and community colleges to work in their areas of interest with distinguished scholars and to have access to libraries suitable for advanced study and research. Each seminar will provide 12 college teachers with an opportunity for eight weeks of uninterrupted study, research and discussion with the seminar director and with colleagues of similar professional backgrounds and interests. Some 8,000 college teachers from all regions of the country have already participated in the program. The work of the seminars has been disseminated at professional meetings and in journal articles. As

a result of the seminars new course offerings have been developed and new material has been incorporated into existing courses. Informal networks have developed between the universities and the colleges for the exchange of information and ideas.

Seminar Proposal:

The seminar director will have wide latitude to design his seminar in his area of interest. We ask simply that the topic be broad enough to accommodate a wide range of interests and that the seminar give integral attention to the problem of conveying humanistic understandings to the college student. The focus of the seminar should not be construed as curriculum planning or pedagogical training. Past experience indicates that the college teachers for whom the program is intended are most interested in attending seminar director's area of specialization.

Deadline:

The deadline for submission of proposals to direct 1982 summer seminars is July 1, 1981.

National Endowment for the Humanities Fellowships for College Teachers

No. FY81-636

Purpose:

Fellowships for independent study and research are for scholars, teachers and others who can make significant contributions to thought and knowledge in the humanities. Fellowships free people from day-to-day responsibilities of teaching and other work for extended periods of uninterrupted, full-time study and research, so that they may enlarge their contributions and continue to develop their capacities as scholars and interpreters of the humanities.

Fellowships may be used for work within fellows' fields or for work in other fields that will help fellows understand their own fields better, enlarge their competence and become more broadly informed humanists.

Scope:

The scope of endowment support includes but is not limited to the study of the following: history, philosophy, languages, linguistics, literature, archaeology, jurisprudence, the history, theory and criticism of the arts, ethics, comparative religion and historical or philosophical aspects of the social sciences.

Stipends:

Fellowships for independent study and research are awarded for continuous periods of either six or 12 months and carry maximum stipends of \$11,000 for six months and \$22,000 for 12. Within these limits, stipends for 1982-83 fellows will match 1981-82 salary, minus sabbatical and other grants. Stipends may also include amounts to help defray the costs of necessary travel, but no special allowance is given for any other research expense.

Tenure:

Fellows may begin tenure at any time between January 1, 1982 and the beginning of the spring term of the 1982-83 academic year.

Eligibility:

An advanced degree is not required to be eligible to apply, but formal professional training must be complete by the application deadline. Individuals seeking support toward a degree or degree candidates are not eligible to apply.

Application Deadline and Award Notification:

Applications must be postmarked no later than June 1, 1981. Notification of the results of applications will be released by December 1981.

current publications and other scholarly works

COLLEGE OF ARTS AND LETTERS

American Studies

Schlereth, Thomas J.

T.J. Schlereth. 1980. Plants past: A historian's use of vegetation as material culture evidence. Environmental Review 4(1):20-28.

Economics

McElroy, Jerome L.

J.L. McElroy. 1981. Micro and macro theory differences; interdependence in oligopolistic price and quantity decision-making. Pages 26, 114-116 in, R. Byrnes and G. Stone, eds. Great Ideas for Teaching Economics. Goodyear, Santa Monica, California.

Modern and Classical Languages

Doering, Bernard

B. Doering. 1980. Translation and Introduction: Jacques Maritain's "For the Common Good. The Christian's Responsibilities in the Present Crisis." Notes et Documents 5(20):1-20.

Psychology

Kline, Donald W.

D.W. Kline and H.L. Sterns. 1981. Perceptual and psychomotor function. Pages 109-127 in, Airline Pilot Age, Health, and Performance: Scientific and Medical Considerations. Report by the Institute of Medicine, National Academy of Sciences, Washington, D.C.

Ryan, Ellen B.

M.A. Carranza and E.B. Ryan. 1980. A methodological approach to the study of evaluative reactions of adolescents toward speakers of different language varieties. The Bilingual Review/La Revista Bilingue 7(1):19-23.

COLLEGE OF SCIENCE

Biology

Saz, Howard J.

H.J. Saz. 1981. Energy metabolisms of parasitic helminths: Adaptations to parasitism. Annual Reviews of Physiology 43:323-341.

Chemistry

- Das, Paritosh K.
*S.N. Ege, E.J. Gess, A. Thomas, P. Umrigar, G.W. Griffin, P.K. Das, A.M. Trozzolo and T.M. Leslie. 1980. Pyrazolinone carbonyl ylides: Novel photochemistry of oxiran and diazo-compounds. Journal of the Chemical Society Chemical Communications Pages 1263-1265.
- Miller, Marvin J.
M.J. Miller, P.G. Mattingly, M.A. Morrison and J.F. Kerwin, Jr. 1980. Synthesis of β -lactams from substituted hydroxamic acids. Journal of the American Chemical Society 102(23):7026-7032.
- Trozzolo, Anthony M.
*S.N. Ege, E.J. Gess, A. Thomas, P. Umrigar, G.W. Griffin, P.K. Das, A.M. Trozzolo and T.M. Leslie. 1980. Pyrazolinone carbonyl ylides: Novel photochemistry of oxiran and diazo-compounds. Journal of the Chemical Society Chemical Communications Pages 1263-1265.

*Under the Radiation Laboratory

Mathematics

- Nagano, Tadashi
T. Nagano and B. Smyth. 1980. Periodic minimal surfaces and weyl groups. Acta Mathematica 145:1-27.
- Smyth, Brian
T. Nagano and B. Smyth. 1980. Periodic minimal surfaces and weyl groups. Acta Mathematica 145:1-27.
- Wong, Warren J.
W.J. Wong. 1980. Maps on simple algebras preserving zero products. I: The associative case. Pacific Journal of Mathematics 89(1):229-247.

Physics

- Bishop, James M.
N.M. Cason, M.U. Ahmed, A.E. Baumbaugh, P.E. Cannata, N.N. Biswas, J.M. Bishop, V.P. Kenney, M.J. Lawson, C.A. Rey, R.C. Ruchti, W.D. Shephard and J.M. Watson. 1981. General features of the reaction $\pi^+p \rightarrow \Delta^{++}\pi^0\pi^0$ at 8 GeV/c. Pages 5-7 in, L. Durand and L.G. Pondrum, eds. High Energy Physics - 1980: Proceedings of the XX International Conference, Madison, Wisconsin.
- Biswas, Nripendra N.
N.M. Cason, M.U. Ahmed, A.E. Baumbaugh, P.E. Cannata, N.N. Biswas, J.M. Bishop, V.P. Kenney, M.J. Lawson, C.A. Rey, R.C. Ruchti, W.D. Shephard and J.M. Watson. 1981. General features of the reaction $\pi^+p \rightarrow \Delta^{++}\pi^0\pi^0$ at 8 GeV/c. Pages 5-7 in, L. Durand and L.G. Pondrum, eds. High Energy Physics - 1980: Proceedings of the XX International Conference, Madison, Wisconsin.
- Cason, Neal M.
N.M. Cason, M.U. Ahmed, A.E. Baumbaugh, P.E. Cannata, N.N. Biswas, J.M. Bishop, V.P. Kenney, M.J. Lawson, C.A. Rey, R.C. Ruchti, W.D. Shephard and J.M. Watson. 1981. General features of the reaction $\pi^+p \rightarrow \Delta^{++}\pi^0\pi^0$ at 8 GeV/c. Pages 5-7 in, L. Durand and L.G. Pondrum, eds. High Energy Physics - 1980: Proceedings of the XX International Conference, Madison, Wisconsin.

- Jones, Gerald L.
G.L. Jones, J.J. Kozak, E. Lee, S. Fishman and M.E. Fisher. 1981. Critical point correlations of the Yvon-Born-Green equation. Physics Review Letters 46(13):795-798.
- Kenney, V. Paul
N.M. Cason, M.U. Ahmed, A.E. Baumbaugh, P.E. Cannata, N.N. Biswas, J.M. Bishop, V.P. Kenney, M.J. Lawson, C.A. Rey, R.C. Ruchti, W.D. Shephard and J.M. Watson. 1981. General features of the reaction $\pi^+p \rightarrow \Delta^{++}\pi^0\pi^0$ at 8 GeV/c. Pages 5-7 in, L. Durand and L.G. Pondrum, eds. High Energy Physics - 1980: Proceedings of the XX International Conference, Madison, Wisconsin.
- Kolata, James J.
J.J. Kolata, C. Beck, R.M. Freeman, F. Haas and B. Heusch. Structure in the $^{14}\text{C} + ^{16}\text{O}$ reaction cross sections. Physics Review C23:1056-1059.
- Kozak, John J.
G.L. Jones, J.J. Kozak, E. Lee, S. Fishman and M.E. Fisher. 1981. Critical point correlations of the Yvon-Born-Green equation. Physics Review Letters 46(13):795-798.
- Livingston, Arthur E.
A.E. Livingston, E.H. Pinnington, D.J.G. Irwin, J.A. Kernahan and R.L. Brooks. Energies and lifetimes of excited atomic states in Ar V - Ar VIII. Journal of the Optical Society of America 71(4):442-447.
- Ruchti, Randal C.
N.M. Cason, M.U. Ahmed, A.E. Baumbaugh, P.E. Cannata, N.N. Biswas, J.M. Bishop, V.P. Kenney, M.J. Lawson, C.A. Rey, R.C. Ruchti, W.D. Shephard and J.M. Watson. 1981. General features of the reaction $\pi^+p \rightarrow \Delta^{++}\pi^0\pi^0$ at 8 GeV/c. Pages 5-7 in, L. Durand and L.G. Pondrum, eds. High Energy Physics - 1980: Proceedings of the XX International Conference, Madison, Wisconsin.
- Shephard, William D.
N.M. Cason, M.U. Ahmed, A.E. Baumbaugh, P.E. Cannata, N.N. Biswas, J.M. Bishop, V.P. Kenney, M.J. Lawson, C.A. Rey, R.C. Ruchti, W.D. Shephard and J.M. Watson. 1981. General features of the reaction $\pi^+p \rightarrow \Delta^{++}\pi^0\pi^0$ at 8 GeV/c. Pages 5-7 in, L. Durand and L.G. Pondrum, eds. High Energy Physics - 1980: Proceedings of the XX International Conference, Madison, Wisconsin.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

- Lee, Lawrence H.N.
L.H.N. Lee. 1981. On dynamic stability and quasibifurcation. International Journal of Non-linear Mechanics 16(1):79-87.

Chemical Engineering

- Strieder, William C.
F.G. Ho and W.C. Strieder. 1980. Numerical evaluation of the porous medium effective diffusivity between the knudsen and continuum limits. Journal of Chemical Physics 73(12):6296-6300.
- F.G. Ho and W.C. Strieder. 1981. A variational calculation of the effective surface diffusion coefficient and tortuosity. Journal of Chemical Engineering Science 36(2):253-258.

Civil Engineering

Ketchum, Lloyd H., Jr.

L.H. Ketchum, Jr. 1981. Consulting engineering graduate education. Issues in Engineering -- Journal of Professional Activities, ASCE 107(E12): 145.

L.H. Ketchum, Jr. 1981. Engineering education: Computer design of plants. Issues in Engineering -- Journal of Professional Activities, ASCE 107(E12):121-127.

COLLEGE OF BUSINESS ADMINISTRATION

Accountancy

Gaertner, James F.

J.F. Gaertner. 1981. Practical approaches to the internationalization of the accounting curriculum. The International Accounting Forum Pages 5-9.

Savoie, Leonard M.

L.M. Savoie. 1981. Interim Financial Statements. Warren, Gorham & Lamont, Inc., Boston, Massachusetts. Pages 5-1 through 5-24.

Wittenbach, James L.

J.L. Wittenbach, J.O. Burns, D.L. Davison and J.R. Reeder. 1981. Publication opportunities for tax researchers. American Taxation Association Page 206.

Finance and Business Economics

Keating, Barry P.

B.P. Keating. 1980. Industry standards and consumer welfare. Journal of Consumer Affairs 14(2):471-482.

B.P. Keating, D.L. Appel and R.E. Pitts. 1981. United Way contributions: Coercion, charity or economic self-interest? Southern Economic Journal Spring:816-823.

B.P. Keating and M.O. Keating. 1981. Goal setting and efficiency in social services agencies. Long Range Planning 14:40-48.

Management

Thompson, Kenneth R.

K.R. Thompson and F. Luthans. 1981. Contemporary Readings in Organizational Behavior, 3rd Edition. McGraw Hill Book Company, New York. 501.

K.R. Thompson and F. Luthans. 1981. Instructor's Manual to Accompany Organizational Behavior, 3rd Edition. McGraw Hill Book Company, New York. 351.

Marketing

Appel, David L.

B.P. Keating, D.L. Appel and R.E. Pitts. 1981. United Way contributions: Coercion, charity or economic self-interest? Southern Economic Journal Spring:816-823.

Pitts, Robert E.

B.P. Keating, D.L. Appel and R.E. Pitts. 1981. United Way contributions: Coercion, charity or economic self-interest? Southern Economic Journal Spring:816-823.

MEDIEVAL INSTITUTE

McInerny, Ralph

R. McInerny. 1981. Reflection on Christian Philosophy. Pages 63-73 in, V.B. Brezik, C.S.B., ed. One Hundred Years of Thomism: Aeterni Patris and Afterwards. Center for Thomistic Studies, University of St. Thomas, Houston, Texas.

R. McInerny. 1980. The principles of natural law. The American Journal of Jurisprudence 25:1-15.

R. McInerny. 1980. Translation of Louis Bouyer's "Humanae Vitae Ten Years After: Toward a Positive Theology of Marriage." The American Journal of Jurisprudence 25:133-145.

R. McInerny. 1981. Waugh at peace. The American Spectator 14(5):16-18.

RADIATION LABORATORY

Chipman, Daniel M.

D.M. Chipman. 1981. Theoretical identification of a radical produced by radiolysis of uracil. Radiation Research 85:257-261.

ARCHIVES

Spencer, Thomas T.

T.T. Spencer. 1981. Auxiliary and non-party politics: The 1936 Democratic Presidential Campaign in Ohio. Ohio History 90(2):114-128.

closing dates for selected sponsored programs

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

<u>Agency</u>	<u>Programs</u>	<u>Application Closing Dates</u>
American Council of Learned Societies	Travel Grants	July 1, 1981
American Heart Association	British-American Research Fellowships	July 1, 1981
American Heart Association	Clinician-Scientist Award	July 1, 1981
American Heart Association	Established Investigatorships	July 1, 1981
The MacDowell Colony, Inc.	Residence Fellowships	July 15, 1981
The Nutrition Foundation, Inc.	Research Grants	July 1, 1981
University of Melbourne	Research Fellowships	July 31, 1981
University of Melbourne	Travel Grants and Grants-in-Aid	July 31, 1981

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Marianne Murphy, Editor
Printing and Publications Office
415 Administration Building
Notre Dame, Ind. 46556
(219) 283-1234
