

'72-'73

notre dame report

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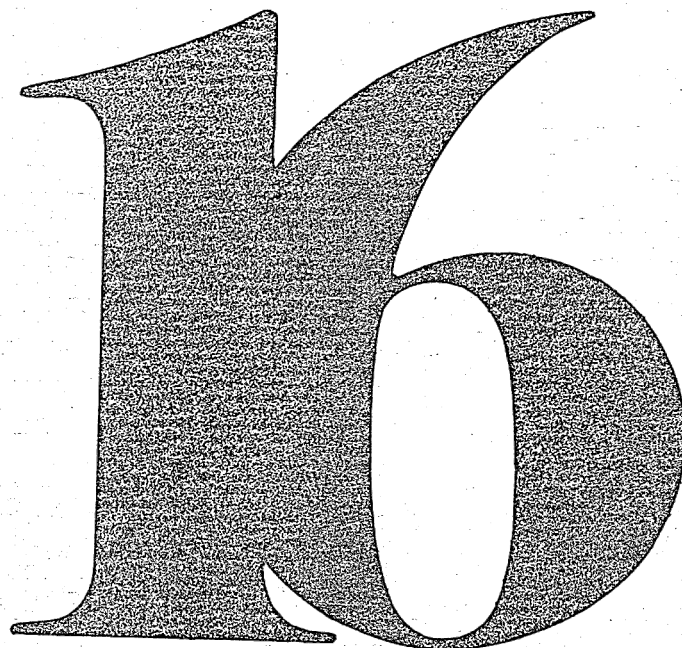
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the university

William R. Kenan, Jr. Chair in Sociology and Anthropology

The William R. Kenan, Jr., Charitable Trust has granted \$750,000 to the University of Notre Dame to endow a professorial chair related to undergraduate studies.

Officials of the Trust, which is located in New York City, noted that they wished "to support and encourage a scholar-teacher whose enthusiasm for learning, commitment to teaching and sincere personal interest in students will enhance the learning process and make an effective contribution to Notre Dame's undergraduate community."

The grant will be used to establish a William R. Kenan, Jr., Chair in the Department of Sociology and Anthropology.

Mr. Kenan, a chemist and industrialist who died in 1965, was president and part owner of the Flagler Systems Companies, which included much of the complex of railroads, hotels, utilities and other enterprises which were developed along the east coast of Florida. Chairs memorializing him have been established by the Trust at several universities, including his alma mater, the University of North Carolina, and Yale University.

Senior Fulbright-Hays Awards

The Committee on International Exchange of Persons announces that applications for senior Fulbright-Hays awards for university lecturing and advanced research during 1974-75 in over 75 countries are now available on request to the Committee, (2101 Constitution Avenue, N.W., Washington, D.C. 20418) and it may be consulted at the office of the Faculty Fulbright Adviser, Charled Roedig, G-34 Library, Phone 6639.

Application requirements include: U.S. citizenship; for lectureships, college or university teaching experience; for research awards, a doctorate or, in some fields, recognized professional standing as demonstrated by faculty rank, publications, compositions, exhibition record, etc.

July 1, 1973 is the deadline for applying for most

of the announced research awards, and it is the suggested date for filing for lectureships.

Senior Fulbright-Hays awards generally consists of a maintenance allowance in local currency to cover normal living costs of the grantee and family while in residence abroad, and roundtrip travel for the grantee (transportation is not provided for dependents). For lecturers going to most non-European countries, the award includes a dollar supplement, subject to the availability of funds, or carries a stipend in dollars and foreign currency, the amount depending on the assignment, the lecturer's qualifications, salary and other factors.

Senior Class Fellow

Rev. Robert Griffin, C.S.C., rector of Keenan Hall and assistant director of Campus Ministry, has been named the 1973 Senior Class Fellow. He is the first campus recipient of the award which has in past years gone to nationally known figures.

A Senior Class Fellow is elected annually by majority vote of the graduation class from nominees who are chosen because of service to their fellow men. Each nominee agrees to spend up to three days on campus, where he delivers a public talk and meets informally with students. Father Griffin's public lectures will be at 8 p.m. May 2 and 3 in Stepan Center.

Undergraduate Research Participation Program

Notre Dame's Department of Aerospace and Mechanical Engineering and the National Science Foundation (NSF) will again offer a program this summer to give top college students in the South Bend area a chance to conduct guided research or independent study with members of the engineering faculty. Called the Undergraduate Research Participation (URP) program, it includes all fields of science, engineering and mathematics and is funded by NSF.

The 12-week program will give the students a tax-free stipend of \$80 per week. The main objective of the program is to give undergraduate students in science and engineering the opportunity to become familiar with the methods and procedures of scienti-

fic research: Interested South Bend area college students can obtain more information from Dr. Kwang-Tzu Yang, professor and chairman of aerospace and mechanical engineering, at Cushing Hall of Engineering or by calling 283-7466 or 283-7547.

Regional World Trade Conference

A Regional World Trade Conference, planned for the campus May 4, will feature major industrialists and banking leaders in a discussion of "The New European Common Market." Sponsored by Notre Dame, the U.S. Department of Commerce and the Michiana World Trade Club, the conference will be in the Center for Continuing Education.

Religious Leaders Program

A Religious Leaders Program for ministers of all faiths, men and women, lay and clerical, will be continued at Notre Dame in September, according to Msgr. John J. Egan, coordinator. The course of study is under the direction of the pastoral theology program.

Started in 1972, the leaders program is designed to provide a year of reflection and study on the life of the Church and modern society. Required courses for each participant are ecclesiology and scripture. They are then free to enroll in any University course or required reading program which will best equip them for their future ministry.

Faculty ND degree holders

A recent survey of 680 full-time faculty members at the University showed that 28 per cent hold at least one Notre Dame degree. When the Holy Cross religious are excluded, the figure is 21.7 per cent. There are 174 Notre Dame degree holders (including 54 C.S.C.'s) on the teaching-and-research faculty, 11 (one C.S.C.) on the professional specialist faculty, and three each in the library and faculty fellow categories, none of them a C.S.C., for a total of 191 Notre Dame degree holders.

Yosef Tekoah lecture

Israel's ambassador to the United Nations, Yosef Tekoah, gave a lecture at Notre Dame April 25th highlighting a campus-community observance of his country's 25th anniversary. Ambassador Tekoah spoke in the auditorium of the Center for Continuing Education under the auspices of the University and the Jewish Community Council of St. Joseph County.

Saint Mary's College Open House

Members of the administration, individual departments and the students of Saint Mary's College are planning a College Open House from 1 to 4 p.m., Sunday, April 29.

An introductory slide show and a tour of the college's nature area is planned by the Biology Department. The Economics Department will explain the focus of its community involvement, such as its lecture series. The Chamber Singers, under the direction of Dr. Arthur Lawrence, will give two performances in the Little Theatre. Members of Student Government and the Julians will be in charge of campus tours.

All Notre Dame faculty, staff and students are invited to attend.

faculty notes

University appointments

Dr. John J. FitzGerald, professor of philosophy, has been appointed assistant vice president for advanced studies/instruction. Dr. FitzGerald has recently served as acting director of the the Center for the Study of Man. Dr. William T. Liu, professor and chairman of the Department of Anthropology and Sociology, has been named the new director of the Center. Both appointments are effective July 1.

Non-university appointments

Dr. Francis X. Beytagh, Jr., professor of law, has been reappointed as counsel of the Administrative Conference of the United States.

Rev. James T. Burtchaeil, C.S.C., provost, has been elected to the board of directors of the Independent Colleges and Universities of Indiana, Inc., a group of 32 institutions in the state.

Miscellany

Dr. Paul C. Bartholomew, professor of government and international studies, will present the basic paper on the topic "Search and Seizure in American Constitutional Law" at a symposium at Michigan State University on May 8.

Dr. Leonard J. Biallas, assistant professor of theology, presented a paper entitled "Story as Insight into the Future: Fairy Tales, Dreams and Autobiography" at the regional convention of the American Academy of Religion, Feb. 17.

Dr. James P. Danehy, professor of chemistry, is a member of the executive committee of the Board of Directors of the United Religious Community (URC) of St. Joseph County, and chairman of the URC's Commission on Research and Planning, which is responsible for setting up task forces and monitoring their activities. Although he shares responsibility in starting this work, Dr. Danehy is not a cochairman as was erroneously cited in Notre Dame Report 14. Dr. Danehy lectured March 29 at DePauw University, Greencastle, Ind. The title of his address was "The Chemist vs. the Chemical Literature."

Dr. Philip Gleason, chairman of the Department of History, delivered the Newman Associates Lecture for 1973 at Kansas State University. The title of the lecture was "Mapping a Landslide: Some Interpretations of Recent American Catholicism." Dr. Gleason also took part in the annual meeting of the Catholic Commission on Intellectual Affairs at the University of Chicago, April 7. He also participated in a meeting of the Executive Committee of the CCICA at the same gathering.

Dr. Joseph C. Hogan, dean of the College of Engineering, was one of four recipients of the Missouri Honor Awards for Distinguished Service In Engineering. The awards, announced April 13 by the University of Missouri, are for contributions to society through engineering education or professional practices.

Rev. Anthony J. Lauck, C.S.C., director of the University Art Gallery, has 23 sculptures and 33 drawings featured in a major exhibit hall at the Evansville (Ind.) Museum of Science and Art. The showing began April 15 and will continue until May 15.

Dr. William T. Liu, chairman of the Department of Sociology and Anthropology, has been awarded a grant from the Population Council to spend a month in the People's Republic of China during May 1973.

Dr. Ralph M. McInerney, professor of philosophy, presented the Olive B. White Lecture at Bradley University on April 10. The title of his address was "The Artful Philosophers."

Dr. Paul R. Moo, professor of law, was presented the Distinguished Teacher Award by the Law School's Class of 1973.

Dr. Basil R. Myers, chairman of the Department of Electrical Engineering, was guest speaker at a joint Engineering-Business School Graduate Colloquium at the City University of New York March 26. The title of his address was "Regulatory Problems in the Policy Planning of Public Data Communications Services."

Dr. Victor W. Nee, associate professor of aerospace and mechanical engineering, presented a lecture at the 1972/73 Colloquia sponsored by the University of Illinois at Chicago Circle on April 12. The title of his talk was "Prediction of Turbulent Shear Flows by a Differential Field Method."

Dr. O. Timothy O'Meara, professor of mathematics, was principal lecturer at a regional conference sponsored by the National Science Foundation at Arizona State University. He delivered 10 lectures on "The Automorphisms of Linear Groups" and one lecture entitled "The Construction of Indecomposable Positive Definite Quadratic Forms."

Dr. Daniel Pasto, professor of chemistry, presented a paper entitled "Reactions of Vinylcyclopropanes with 4-Phenyl-1, 2, 4-Triazoline-3, 5-dione and Chlorosulfonylisocyanate" before the Organic Division of the American Chemical Society on April 9

in Dallas, Tex. He also presented a paper entitled "Electrophilic Addition Reactions of Alkenylidene-cyclopropanes" before the Petroleum Chemistry Division on April 10. Dr. Pasto also chaired a session of papers on Reaction Mechanisms on April 9.

Dr. Francis A. Yeandel, assistant professor of management, gave the keynote address to the annual meeting of the Delta Mu Delta, national honor society in business administration, at Andrews University on April 1. His topic was "Scholarship in our Society."

office of advanced studies

Information Circulars

National Endowment for the Humanities 1973 Summer Seminar Stipends for College Teachers

NO. FY73-56

Purpose of Program

The purpose of the Summer Seminar program is to provide college teachers with opportunities to work with recognized scholars in their fields at major universities during the summer. Through research, reflection, and discourse with the seminar director and with their colleagues in a seminar atmosphere, the college teachers will sharpen their understandings and improve their ability to transmit their understandings to undergraduate students. The college teachers are expected to participate fully in the work of the seminar and complete all seminar assignments. In addition, the stipend is intended to enable them to work on scholarly projects of their own choosing over and beyond the work of the seminar.

Six months after the close of the seminar, the participants will be asked to submit reports to the National Endowment for the Humanities reviewing their work during the summer, assessing the value of the seminars to them as scholars and teachers, and describing their efforts to incorporate new insights into their teaching.

Stipends and Tenure

Each applicant who is selected will receive a stipend of \$2,000 for a tenure period of two months. While recipients of stipends are not required to remain at the seminar institution after the close of the seminar, they are required to spend full time on personal study for the full term of the tenure period.

Housing and Travel Allowances

Each seminar participant who is not commuting to the seminar from his own residence will receive a housing and travel allowance of \$250, in addition to the stipend of \$2,000.

Eligibility Requirements

To be eligible, an applicant must be teaching undergraduate courses in English or American literature or in history at a small private or state college, or in a junior or community college. Faculty members in colleges with graduate programs in the humanities and with large library collections in the humanities will not be eligible for this program. Preference will be given to college teachers who have been teaching for several years and who have not recently had the opportunity to use the resources of a major library.

Applicants must be citizens of the United States or native residents of its territorial possessions. They may not hold permanent posts at foreign institutions or have resided abroad for more than five consecutive years immediately before application.

English seminar topics include:

Studies in the Renaissance Imagination:
Second Worlds and Other Worlds

Poetic Influence and Romantic Tradition,
British and American, 1789 to the Present

New Directions in Literary Study

Studies in Contemporary American Literary
Forms

Major Metaphors of Medieval Literature: An
Introduction to the Figural Patterns of
Medieval Art

Writing in the First College Years

Tragic and Comic Forms in the Novel

Literature and the Factors of Cultural
Change: The Transition from Late Medie-
val to Early Modern England (1350-1525)

Problems in the Interpretation of Poetry

Medieval to Modern: Literature, Science,
and Religion in England (1660-1750)

Literature and Culture in America

History seminar topics include:

History and Literature of the American West

The Problem of Relevance in Pre-Modern
Western Civilization

Technology, Society, and Values in 20th
Century America

The Revolution as a Pivotal Development in
American History

Comparative Perspectives on the History of
Slavery and Race Relations in the United
States

The Ancient Near East (circa 1500-500 B.C.)

History of Socialism

A Test Case for Modernization: Europe 14th
to 18th Centuries

After Slavery: Relations Between Former
Slaves and Former Masters in Comparative
Perspective

History of American Thought and Culture

Additional information on the location of
the Seminars and application instructions
are available in the Office of Advanced
Studies, Extension 7378.

National Endowment for the Humanities Program Grants, Project Grants, Planning Grants, and Institutional Development Grants

NO. FY73-57

The National Endowment for the Humanities has expanded its grant opportunities available through the Division of Education with the addition of humanities program grants for institutions of higher education. The Division of Education now offers support through four distinct programs: humanities program grants; project grants; planning grants; and institutional development grants.

The division of Education is one of the Endowment's grant-making divisions. Through its education program, the Endowment helps educational institutions improve instruction and make more effective use of resources in the humanities. Any non-profit educational institution or organization may apply for grants to strengthen programs in the humanities; develop teaching materials; hold training institutes or conferences; promote educational use of libraries; and plan, carry out, and evaluate curriculum revision.

The new program of humanities program grants is designed to support well-defined programs in the humanities that are basic in their content and broad in their perspective. They may be interdisciplinary and involve an exploration of organized themes and related problems. Program grants will not usually exceed \$180,000, spread over a three-year period. Institutions are encouraged to bring together senior professors and junior faculty members in a mutually-productive teaching relationship, and grant funds will provide released time from their regular teaching and administrative responsibilities to such faculty members for the implementation of new programs in the humanities. Proposals are expected to undertake the task of redefining and reorganizing humanities instruction within the broadest possible context, consistent with the maintenance of rigorous intellectual standards. The next deadline for humanities program grant applications is July 2, 1973, with a decision available in the fall of 1973.

Institutional development grants aim to foster a new vitality in the humanities through comprehensive changes in departments of instruction, curriculum content and instructional methods in institutions of higher education. Development awards will average between \$100,000 and \$200,000 per year for a period of from three to five years. Faculty collaboration will be expected in order to assure that the humanities, by institutionally coordinated means, will exert a new dimension of influence in the learning community. The next deadline

for development grant applications is July 2, 1973, with a decision available in March of 1974.

The program of project grants is designed to encourage the development and testing of imaginative approaches to humanities education. The Endowment is particularly interested in proposals which will foster cooperative endeavors between schools and institutions of higher learning, cooperative programs between two-year colleges and universities, study of the humanities in the professions, and curriculum development programs that offer promise of broad applicability. Endowment funds may be used to cover the cost of released time for faculty members directing the project or participating in it, secretarial salaries, expenses of travel and consultants, library or other material costs essential to the project, and institutional overhead costs. The next deadline for submission of project grant applications is November 1, 1973, with a decision available in March of 1974. Awards for project grants average \$30,000 for a one-year period.

Planning grants are designed to enhance the institutional standing of the humanities and to encourage groups of faculty members to work together on devising new humanities programs which are beyond the capabilities of a single scholar. All institutions of higher education, whether two or four-year, single and multiple purpose colleges and universities, are eligible. Institutions from all parts of the country are invited to apply. Planning grants may be used to design a new course or a series of courses which fit into a cohesive program. Planning grants will not ordinarily exceed \$30,000, available over a period of six to eighteen months. The next deadline for planning grant applications is November 1, 1973, with decisions available in the spring of 1974.

State of Indiana, Department of Natural Resources, Division of Fish and Wildlife, Wildlife Research Small Grant Program

NO. FY73-58

PURPOSE

To support short term investigations in the general field of wildlife ecology.

ELIGIBILITY

Applicants must be enrolled in an accredited Indiana College or University and must have completed their sophomore year with a major in zoology, general biology or wildlife management. A staff member of the College or University must agree to council and guide the applicant's research efforts.

FINANCIAL DATA

The grant is for the sum of \$1,000. This amount will be forwarded to the institution for distribution to the investigator. Funds may be used for labor, supplies, etc. Equipment must be purchased by the institution.

DURATION

The grant duration is for a period of one (1) year following the date the grant is awarded. The study must be limited so it can be completed within one year. A written report is to be submitted within thirty (30) days after completing the study.

APPLICATION

Eligible individuals are to complete the application form and prepare a research proposal using the following outline:

1. Title
2. Objective
3. Justification (Include literature review)
4. Procedures
5. Location of Work
6. Time Schedule
7. Name of Investigator

TYPES

Research may be conducted in (but not restricted to) the following areas:

1. Effects of chemicals, weather, hunting, etc. on wildlife.
2. Development and evaluation of wildlife techniques.
3. Ecology of wildlife damage.
4. Wildlife parasites and diseases.
5. Control of wildlife damage.
6. Food habits of game birds and game mammals.
7. Hunter access to private land survey.
8. Evaluation of land use changes.

DEADLINE

Applications must be received by May 15, 1973. The grant will be awarded by June 15, 1973.

FOR INFORMATION

Contact: Herald A. Demaree
Supervisor, Wildlife Research
607 State Office Building
Indianapolis, Indiana 46204

OR

Phone: (317) 633-5857

Application forms are available in the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7378.

National Science Foundation RANN, Exploratory Technology Assessments in Selected Areas

NO. FY73-59

The Office of Exploratory Research and Problem Assessment of the Research Applications Directorate will provide approximately \$1,000,000 for the Preparation of Technology Assessments.

A number of awards will be made at one of two levels. The first will be for in-depth comprehensive technology assessments involving up to approximately sixty man-months of professional effort over a period of up to eighteen calendar months including a three-month period for sponsor review, evaluation and performer re-write. The second will be for a group of preliminary comprehensive technology assessments involving up to approximately eighteen man-months of professional effort over a period of twelve months including three months for sponsor review, evaluation and performer re-write.

Proposals must be received by the Central Processing Section of the Foundation by 5:00 p.m. E.S.T., May 17, 1973; proposals will be considered firm until August 31, 1973. Awards may provide full costs when appropriate.

In connection with the assessment of the effects of technology applications upon society the objectives of these awards are:

1. To provide a substantive, comprehensive, useful input into public policy formulation and decision-making with regard to the application of particular technologies.
2. To explore and encourage technology assessment and the application of systematic methods, techniques, protocols, and approaches to complex, policy-related problems.
3. To encourage the growth of organizational capability to conduct impartial, comprehensive technology assessments.

Technology Assessment

Technology assessment is a term which has come to be applied to a class of policy studies which systematically define, explore, and evaluate the full range of economic, social, environmental, institutional, and other consequences of the introduction of a new technology into our society or the expansion of an extant technology, more extensively, intensively, or in new ways.

The management of technology and the systematic exploitation and development of resources are issues of national importance both in the short and the long run. The

alternatives, options, and strategies for the management of technology and the development of resources, it is widely believed, should take into account not only the direct short-term conventional investment considerations, but should be examined also against a wider and deeper background of qualitative and quantitative costs, benefits, risks, and opportunities in the total direct and indirect impacts.

General Proposal Information

Technology assessment proposals may be submitted with regard to the technologies listed below. No funding priority has been set within or among the categories. No subjects other than the ones listed will be accepted under this program announcement. A proposal may only address one of these technologies. Separate proposals addressing different technology assessments may be submitted by any organization.

It is important to note that proposals may be submitted at either of two levels: In-depth Comprehensive Technology Assessments which as the term implies meet the definition and characteristics of technology assessment offered above, as well as the specific points below associated with the individual technologies.

Proposals for Preliminary Comprehensive Technology Assessments may be submitted, either because of the uncertainties associated with the subject itself, the availability of data, the conceptual methodological difficulties in defining a strategic and tactical approach to the assessment; or because of the inability to formulate an adequate full-scale work plan. Such preliminary assessments are anticipated to result in a useful public policy document but will be less definitive than the in-depth comprehensive assessment. They may, in certain instances, only structure the problem and define any useful research study or follow-on effort.

The following are the selected technologies for which proposals may be submitted:

1. Advanced Data Processing and Telecommunications Impacts on Criminal Justice Systems
2. Cashless-Checkless Society
3. Biological Substitutes for Chemical Pesticides
4. Integrated Hog Farming
5. Conversion From the English to Metric Systems in the United States
6. Alternative Work Schedules
7. Alternative Strategies and Methods for Conserving Energy

Who May Submit

Proposals are invited from academic institutions and units of state and local governments, from non-academic non-profit or profit organizations, or from a combination of any such institutions or organizations.

Detailed information on proposal format, criteria of evaluation, and administration of the program is available in the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7378.

Graduate School

Charles and Johanna Busch Memorial Fund Postdoctoral Research Fellowships, 1973-74

NO. FY73-GS22

This program offers one-year postdoctoral fellowships to applicants qualified to undertake research in areas related to human health. Three or more awards will be made in 1973-74. The Fellows will be affiliated with the Bureau of Biological Research, or with the Institute of Microbiology, or with another laboratory in the University.

Eligibility Requirements:

Applicants must have received a Ph.D. degree or its equivalent in a health-related area before the beginning of the fellowship year. Preference will be given to applicants holding recent degrees.

Stipend:

A minimum of \$8,000, with additional support for the research project.

Application Procedures:

Interested candidates should submit the following documents: a transcript of graduate work; a curriculum vitae; a brief statement of research interests; reprints of publications. They should also arrange to have two letters of reference sent directly to the address below, by persons familiar with their work.

Closing Date for Applications: May 15, 1973

Address application materials and further inquiries to:

Dr. David Pramer
Director of Biological Sciences
Rutgers University
New Brunswick, New Jersey 08903

Current Publications and Other Scholarly Works

MEDIAEVAL STUDIES

Gabriel, A.L. 1973. Les origines de la Faculté de Décret de l'ancienne Université de Paris, Mélanges offerts à Pierre Andrieu-Guitrancourt. L'année canonique 17:507-531.

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

History

Blantz, T.E., CSC. 1972. Review of E.A. Smith, Religious Liberty in the United States. Records of the American Catholic Historical Society of Philadelphia 83(Sept.-Dec.):218-220.

Modern and Classical Languages

Rubulis, A. 1973. Indoeiropiesu un Kaukaziesu Kultura. Dzimtenes Kalendars (Stockholm), pp. 87-91.
Rubulis, A. 1973. Poem. Nekad. Dzimtenes Kalendars (Stockholm), p. 89.

Sociology and Anthropology

Rubel, A.J., and H.J. Kupferer. 1973. Editors. The myth of the melting pot. To See Ourselves: Anthropology and Modern Social Issues, Scott, Foresman and Co., Glenview and London. Section II: 63-109.

Theology

Ford, J.M. 1972. Christian prayer and the humanizing experience. Proceedings of the Catholic Theological Society of America 27:116-138.
Ford, J.M. 1973. Lord, teach us to pray. The Lamp 71(1):8-9.

BUSINESS ADMINISTRATION

Accountancy

Beverly, J.G. 1973. Identification of the decision parameter in trade receivables administration. Atlanta Economic Review 23(2):16-19.

ENGINEERING

Aerospace and Mechanical Engineering

Ingram, C.W., and S.M. Batill. 1973. An investigation of unsteady aerodynamics on an oscillating airfoil. AIAA Dynamics Specialists Conference in Williamsburg, Va., March 19-20. Paper No. 73-318: 9pp.
Lee, L.H.N. 1973. Stability of inelastic shells. ASCE National Structural Engi-

neering Meeting in San Francisco, April 9-13: 22pp.

Civil Engineering

Echelberger, W.F., Jr., and M.W. Tenney. 1972. Engineering aspects of polluted lake reclamation. Pages 431-447 in Proceedings of the Second Annual Environmental Engineering and Science Conference, Louisville, Kentucky.

Metallurgical Engineering

Peretti, E.A. 1973. The reduction of halides-electrolytic, gaseous and metal-thermic. Progress in Extractive Metallurgy 1:207-239.

SCIENCE

Biology

*Rai, K.S., and M.A. Zaman. 1972. Cytogenetics of thirteen radiation-induced reciprocal translocations in *Collinsia heterophylla*. Cytologia 37:629-638.

*Under the Radiation Laboratory

Chemistry

Basu, S., B. Kaufman, and S. Roseman. 1973. Enzymatic synthesis of glucocerebroside by a glucosyltransferase from embryonic

chicken brain. The Journal of Biological Chemistry 248:1388-1394.

*Funabashi, K., and G.C. Abell. 1973. The simple exponential distribution for initial electron-positive ion separation distances as seen in the γ radiolysis of alkanes. Journal of Chemical Physics 58(3):1079-1085.

*Hamill, W.H., and M.M. Fisher. 1973. Electronic processes in pulse-irradiated aqueous and alcoholic systems. Journal of Physical Chemistry 77(2):171-177.

Hayes, R.G., and N. Edelstein. 1972. An elementary molecular orbital calculation on $U(C_8H_8)_2$ and its application to the electronic structures of $U(C_8H_8)_2$, $Np(C_8H_8)_2$, and $Pu(C_8H_8)_2$. Journal of the American Chemical Society 94(25):8688-8691.

Pasto, D.J., A.F-T. Chen, and G. Binsch. 1973. Cycloaddition of alkenylidene-cyclopropanes with 4-phenyl-1, 2, 4-triazoline-3, 5-dione. Journal of the American Chemical Society 95:1553.

Pasto, D.J., A.F-T. Chen, G. Ciurdu, and L.A. Paquette. 1973. Uniparticulate electrophilic addition to alkenylidene-cyclopropanes. Journal of Organic Chemistry 38:1015.

*Scheidt, W.R., and D.V. Naik. 1973. Crystal and molecular structure of dimethyl-diisothiocyanato (terpyridyl) tin(IV). Inorganic Chemistry 12(2): 272-276.

*Under the Radiation Laboratory

Monthly Summary

Awards Received

IN THE MONTH OF MARCH, 1973

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
Administration	Gordon	Graduate traineeship program	Natl. Sci. Fdtn.	31,500 1 yr.
Aerospace Mechanical Eng.	Brach	Study of shot-wheel motion	Wheelabrator-Frye, Inc.	7,525 7 mos.
Metallurgical, Chemical Eng.	Kuczynski, Carberry	Influence of ionizing radiation upon properties of metals	Natl. Sci. Fdtn.	80,000 2 yr.
Chemistry	Scheidt	Stereochemistry of metallo-porphyrins and derivatives	Research Corp.	7,500 1 yr.
Accountancy	Powell	Grant-in-aid	Touche Ross and Co.	500 ---
Biology	Saz	Postdoctoral fellowship	Natl. Sci. Fdtn.	1,150 ---
Mathematics	O'Meara	Mathematical algebra	Natl. Sci. Fdtn.	44,700 1 yr.
Civil Eng.	Linger	Fellowship award	Natl. Wildlife Fed.	1,750 6 mos.
Civil Eng.	Linger	Structural research program	Consldr. Trailer & Truck Body Prod.	200 ---
Aerospace Mechanical Eng.	Ingram Nicolaides	Tests and evaluations of a disc-shape flight configuration	U.S. Army	15,000 3 mos.

Microbiology- Lobund Lab.	Pollard	Grant-in-aid	Miles Lab.	2,250 ---
Electrical Eng.	Magee	Low temperature properties of amorphous semiconductors	Natl. Sci. Fdn.	17,000 18 mos.
Civil Eng.	Morgan	Probabilistic load distribution for highway bridges	Natl. Sci. Fdn.	20,900 18 mos.

AWARDS FOR FACILITIES AND EQUIPMENT

Art	Mooney	Plasma light sculptures	Corning Glass Works	1,000 ---
Aerospace Mechanical Eng.	Yang	30" wheel centrifugal fan	Dodge Mfg. Corp., Amer.Std.Ind.Prod.Div.	1,028

AWARDS FOR EDUCATIONAL PROGRAMS

Law School	Foschio	Law student prosecution intern- ship program - LaPorte Cty.	Ind. Crim. Just. Plan. Agcy.	14,352 1 yr.
S.B. Center Medical Education	Troeger	Alcoholism program	State of Indiana	38,210 ---
Architecture	Richardson	Graham scholars fund	Graham Fdn.	10,000 1 yr.
Civil Eng.	Linger	Grant-in-aid	Amer. Water Works Assocn.	114 ---

AWARDS FOR SERVICE PROGRAMS

Urban Studies	Broden	Private sector-youth urban strategy	Amer. Pub. Welfare Assocn.	29,512 4 mos.
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Proposals Submitted

IN THE MONTH OF MARCH, 1973

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
PROPOSALS FOR RESEARCH				
Civil Eng.	Tenney	Graduate program in environ- mental health planning	Natl. Inst. Health	39,178 1 yr.
English	Rathburn	Jung and Shakespeare	Jung Educ. Center	11,923 1 yr.
Aerospace Mechanical Eng.	Lee, Ariman	Materials at high cyclic loading rates and high temperatures	U.S. Army	25,140 1 yr.
Metallurgical Eng.	Fiore	Effect of γ -irradiation on precipitates in Al alloys	Natl. Sci. Fdn.	49,920 2 yr.
Physics	Blackstead	Dynamic magnetoelastic coupling in rare-earth metals	U.S. Navy	68,841 2 yr.
Aerospace Mechanical Eng.	Lee, Huang	Thick-walled cylinders subject to pressure and temperature history	U.S. Army	17,932 1 yr.
Microbiology- Lobund Lab.	Pollard	Immunotherapy of AKR leukemia by allogeneic chimerism	Leukemia Soc. Amer.	19,000 2 yr.
Microbiology- Lobund Lab.	Pollard	Effects of environmental pollutants in germfree rodents	Pub. Health Serv.	22,902 1 yr.
Education	McCabe	Effects of dependency and powerlessness on violence	Natl. Sci. Fdn.	1,040 1 yr.
Metallurgical Eng.	Fiore	Internal friction studies of controlled microstructures	Natl. Sci. Fdn.	49,920 2 yr.
Aerospace Mechanical Eng.	Ingram, Nicolaides	Model modification and wind tunnel testing	U.S. Navy	15,000 1 yr.
Chemistry	Castellino	Role of carbohydrate moiety of plasminogen	Ind. Heart Assocn., Inc.	12,700 2 yr.
Geology	Winkler	Studies of granites as related to quartz content and grain size	U.S. Bur. Mines	98,258 2 yr.
Geology	Winkler	Studies of granites as related to quartz content and grain size	Natl. Sci. Fdn.	98,258 2 yr.
Aerospace Mechanical Eng.	Mueller	Hemolytic potential of prosthetic heart valve flow	Ind. Heart Assocn., Inc.	7,222 1 yr.
Aerospace Mechanical Eng.	Lloyd	Design and evaluation of a new leaflet heart valve	Ind. Heart Assocn., Inc.	7,300 1 yr.
Biology	Cassidy	Studies of the accessory nuclei of hymenoptera	Natl. Sci. Fdn.	28,837 1 yr.

Chemistry	Nowak	Activation and mechanism of pyruvate kinase	Ind. Heart Assoc., Inc.	8,202 1 yr.
Microbiology-Lobund Lab.	Wostmann	Nutritionally defined gnotobiotic: development and use	Natl. Inst. Health	134,598 1 yr.
Microbiology-Lobund Lab.	Pollard	Study of the microflora of leukemic laboratory animals	Natl. Inst. Health	105,116 1 yr.
Aerospace Mechanical Eng.	Huang	Buckling of ring-stiffened cylindrical shells	U.S. Navy	29,938 1 yr.
Chemical Eng.	Carberry	U.S.-Soviet program in catalytic reactor modelling	Natl. Sci. Fdn.	50,000 1 yr.
Civil Eng.	Morgan	Storm detection and tracking photographic mission-phase II	Natl. Severe Storms Lab.	3,776 4 mos.
Aerospace Mechanical Eng.	Biles	Systems analysis applied to federal district courts	Natl. Sci. Fdn.	21,014 1 yr.

PROPOSALS FOR EDUCATIONAL PROGRAMS

History	Dolan, Gleason	Reinterpretation of the American Catholic experience	(Through DPRD)	5,500 2 days
Urban Studies	Egan	Program in pastoral and social ministry	(Through DPRD)	---
Ctr. Study of Man	Soens	Interaction of minority family values and social service values	Ind. Comm. Humanities	11,550 4 mos.
Philosophy	Manier	Government, the family, and abortion	Ind. Comm. Humanities	12,970 6 mos.
General Program	Crowe	Government and the family: a humanistic perspective	Ind. Comm. Humanities	7,300 6 mos.
Law School	McIntire	Joint program in environmental engineering and law	Environ. Prot. Agency	61,050 1 yr.
Urban Studies	Broden	Upward bound program	U.S. Off. Educ.	117,313 1 yr.
Law School	McIntire	Joint program in environmental engineering and law	Environ. Prot. Agcy.	11,448 2 mos.

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF MARCH, 1973

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	\$ 80,700	8	\$ 149,275	13	\$ 229,975
Facilities and Equipment	-	---	2	2,028	2	2,028
Educational Programs	1	14,352	3	48,324	4	62,676
Service Programs	-	---	1	29,512	1	29,512
Total	6	\$ 95,052	14	\$ 229,139	20	\$ 324,191

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	\$ 316,316	18	\$ 609,699	24	\$ 926,015
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	3	189,811	5	37,320	8	227,131
Service Programs	-	---	-	---	-	---
Total	9	\$ 506,127	23	\$ 647,019	32	\$1,153,146

Closing Dates For Selected Sponsored Programs

Agency	Programs	Application Closing Dates
American Society of Church History Committee on the International Exchange of Persons Environmental Protection Agency	Brewer Prize Competition in Church History	June 1, 1973
	University Lecturing and Advanced Research Abroad	May 1 - July 1, 1973
	Radiation Research	June 1, 1973
	Solid Waste Research and Demonstration	June 1, 1973
Health Services and Mental Health Administration	Solid Waste Training	June 1, 1973
	Water Pollution Control Training	June 1, 1973
	Exploratory Research Grants	June 1, 1973
	Research Project Grants	June 1, 1973
National Endowment for the Humanities National Institute of Mental Health	Developmental and Demonstration Projects	June 1, 1973
	Training Grants	June 1, 1973
	Public Programs	June 1, 1973
	Mental Health Research Grants	June 1, 1973
National Institutes of Health	Mental Health Program - Project Grants	June 1, 1973
	Stipends for Senior Mental Health Specialists	June 1, 1973
	Stipends for Student Research in Social Work	June 1, 1973
	Minority Group Mental Health Programs	June 1, 1973
	Mental Health Epidemiology	June 1, 1973
	Training for Health and Health-Related Professionals in Narcotic Addiction and Drug Abuse	June 1, 1973
	Academic Career-Teacher Awards (Non- medical) in Narcotic Addiction and Drug Abuse	June 1, 1973
	Alcohol Abuse and Alcoholism	June 1, 1973
	Mental Health of Children and Families	June 1, 1973
	Mental Health of the Aging	June 1, 1973
	Studies of Crime and Delinquency	June 1, 1973
	Research Project Grants	June 1, 1973
	Biotechnology Resources	June 1, 1973
	Projects to Support Animal Resources	June 1, 1973
	Training in Laboratory Animal Medicine	June 1, 1973
	Fellowships in Laboratory Animal Science	June 1, 1973
	Medical Library Science Research Projects	June 1, 1973
	Training in Biomedical Communications	June 1, 1973
	Postdoctoral and Special Research Fellowships in Health Communications	June 1, 1973
	Distinguished Scholar Award - National Library of Medicine	June 1, 1973
	Biomedical Publication Grants	June 1, 1973
	Training in Health Sciences and Computer Technology	June 1, 1973
	Construction of Cancer Research Facilities	June 1, 1973
National Science Foundation	Leadership Development Program	June, 1973
	College Science Improvement Program-D	June 1, 1973
	Institutes and Short Courses for College Science Teachers	June 1, 1973
Social and Rehabilitation Service (DHEW)	Research and Development in the Field of Aging	June 1, 1973

documentation

Minutes of the Academic Council Meeting March 27, 1973

The Academic Council met on Tuesday, March 27, 1973, and continued discussions on the revisions of the Manual.

The following text was approved by the Council as a preamble to the Academic Manual:

Preamble

This Academic Manual is written to enhance the capacity of the University to achieve its academic purposes. The Manual defines the structure of academic governance at the University and the participation of students, faculty and administrative officers therein, so that all who sustain the University's academic life may be united in cooperative understanding and effort.

The Manual is itself the product of mutual communication and shared action. The process of its writing has been open to the views of the community; it has drawn upon ideas and language proffered by officially constituted bodies of the University; and it has culminated in the decisions of the Academic Council, a body whose membership represents the scope of the University's academic concern. Founded on the principles of the previous Manual, this Manual carries forward the cooperative will of the past, expresses that of the present and assures cooperation for the future.

As accepted by the Board of Trustees, the final institutional authority of the University, the Manual is the document by which academic government is entrusted to the students, the faculty and the officers of administration. It thereby signifies recognition by all groups of the interdependence and of the responsibility each bears to the others. In proposing academic policies, in considering their merits and in deciding what policies shall be adopted for the University, Trustees, administrators, faculty and students recognize each other's proper share of responsibility and are alert to ways of enhancing their corporate work.

The Manual, however, can neither wholly embody nor effectively replace the deeper, more fundamental basis of successful governance: the community's mutual respect and common concern. The contingencies to be faced by the University are far wider than can be anticipated by a single document. The University can meet the future only because it can draw upon the community's dedication to the well-being of its purposes and its people. The true basis of shared governance lies in the community's continually developing common life, to which this written Manual gives an outward form and a record for the time.

The Council added concurrence of the College Councils to the procedure by which deans are appointed. The motion was made that the Council adopt a motion from the Faculty Senate to amend Article II, Section 4 on the deans of the colleges to read: "The Dean of the College is appointed by the President with the concurrence of the College Council;..." After a lengthy discussion this motion was approved by the Council by a vote of 23 to 18.

By a previous action the Council required concurrence of the elected members of the Council in the procedure by which the president recommended candidates for provost to the Board of Trustees. Father Hesburgh moved the deletion of this provision and the substitution of a procedure which would require the president to consult with all elected faculty of the Council on all serious candidates and to report fully on this discussion to

the Board of Trustees at the time he made his recommendation to the board. Father Hesburgh relinquished the chair during the discussion of this motion. Father Hesburgh argued the concurrence requirement was tantamount to a veto power that unduly restricted the freedom of the president to choose his closest associate. Others opposed to the concurrence condition argued it was equivalent to election. Some in favor of this concurrence requirement thought it was essential to express formal faculty involvement in the selection process and since the provost is, next to the president, the chief academic officer of the University such faculty involvement is essential to the good health and function of this community. After a lengthy discussion the motion carried 28 to 15.

In further action the Council rejected analagous proposals requiring concurrence of a departmental faculty in the appointment of a chairman and the concurrence of all professors and associate professors in the Law School in the appointment of the Dean of the Law School.

The Council terminated discussion as a committee of the whole, reconvened as a body, and unanimously approved the Manual, now to be called the Academic Manual as amended.

Respectrully submitted,

F. L. Brown, C.S.C.

(Rev.) Ferdinand L. Brown, C.S.C.
Secretary to the Academic Council

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notre dame report

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