

'75-'76

notre dame report

November 28, 1975

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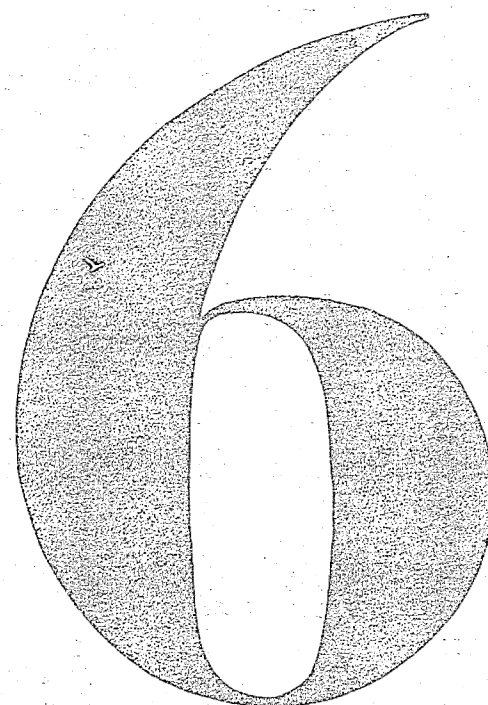
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the university

Endowed Chairs

The following is an update of the configuration of permanently endowed chairs at the University announced to the faculty by Father Hesburgh on October 9, 1974, and approved by the University's Board of Trustees on October 18, 1974. The original list was published in Notre Dame Report 5 (1974-75), 113.

The George and Winifred Clark Chair in Biology
(Prof. George B. Craig, Jr.)

The Packey J. Dee Chair in Government and International Studies

The Frank M. Freimann Chair in Electrical Engineering
(Prof. James L. Massey)

The Michael P. Grace Chair in Medieval Studies
(Prof. Jeffrey B. Russell)

The Catherine F. Huisking Chair in Theology*

The Charles L. Huisking Chair in Chemistry
(Prof. Anthony M. Trozzolo)

The William R. Kenan, Jr. Chair in Sociology

The Howard J. Kenna Chair in Mathematics

The Frank R. Lockard Chair (unassigned)*

The John N. Matthews Chair in Chemical Engineering*

The Matthew H. McCloskey Chair in Engineering*

The John Cardinal O'Hara Chair in Philosophy
(Prof. Frederick J. Crosson)

The C.R. Smith Chair in Business Administration
(Prof. Lee A. Tavis)

The Fred B. Snite Chair in Catholic Theology*

The Andrew V. Tackes Chair in History

The W. Harold and Martha Welch Chair in Communications*

The Thomas J. White Chair in Law
(Prof. Edward J. Murphy)

The William White Chair in English

*Chair is committed, but to be funded in the future.

(Note: The Matthew H. McCloskey Chair will always be held by the dean of the College of Engineering. Prof. Tavis will assume the Smith Chair in July, 1976.)

New Trustees

Three persons, two of them alumni, have been added to the Board of Trustees at Notre Dame.

The new trustees are the Most Rev. Mark G. McGrath, C.S.C., Archbishop of Panama; John M. Regan, Jr., president and chief executive officer of Marsh and McLennan, Ind., New York City and Robert K. Wilmouth, president and chief administrative officer, Crocker National Bank, San Francisco.

Archbishop McGrath received his baccalaureate degree from Notre Dame in 1945 and was awarded an honorary doctor of laws degree in 1963. Wilmouth received an M.A. in 1950 from Notre Dame following an A.B. degree at Holy Cross College, and he is also an alumnus of Rutgers University's Stonier Graduate School of Banking. Regan is a 1943 graduate of Yale University.

Currently there are 40 trustees on Notre Dame's board, including eight Holy Cross priests.

Conference on Zoning

The Center for Civil Rights and the South Bend League of Women Voters are sponsoring a five-session seminar on "Zoning and the Constitution: Private Rights and Public Interest." The conference began Nov. 19 and will continue through March 10 at the Notre Dame Center for Continuing Education. The first meeting on Nov. 19 considered "Zoning and the Right to Privacy," focusing on the issues of zoning to promote family and youth values, to restrict areas to single-family dwellings and limit the definition of family, to preserve or create neighborhoods where one life-style is predominant or to create mixed communities.

Topics for future meetings will be "Zoning and the Rights to Property" on Dec. 10, "Zoning and the Right to Equal Protection" on Jan. 21, "Zoning and the Right to Association" on Feb. 25, and "Zoning and the Right to the Pursuit of Happiness" on March 10.

The conference is made possible through a matching grant from the Indiana Committee for the Humanities in cooperation with the National Endowment for the Humanities.

Christmas Decorations

The O.S.H.A. Central Committee of the University has unanimously recommended that the use of natural ever-green trees and/or branches of same be prohibited as Christmas decorations in all residences and other interior areas of the University. The Committee suggests the use of fire-proof artificial trees and trimmings where such Christmas decorations are desired.

The Committee requested the cooperation of all officers, deans, chairmen and department heads in carrying out this safety precaution in their respective areas.

Foreign Student Enrollment

Students from 62 foreign countries, an all-time high, enrolled at the University of Notre Dame this year. The 308 students, an increase over last year's 302, showed a preference for the College of Arts and Letters for the first time. The majority in previous years leaned toward the College of Engineering. The 194 graduate and 114 undergraduate students include 82 in Arts and Letters, 78 in Engineering, 64 in Science, 50 in Business Administration, 32 in Freshman Year of Studies, and two in Law School.

The largest group of students (34) came from India with Canada (29) and Nationalist China (27), following. Other areas of student concentration include Hong Kong, 19; Mexico, 11; Colombia, 10, and Peru, Japan and Korea, each with nine students.

faculty notes

Honors

Salvatore J. Bella, chairman of the Department of Management, has been appointed to the Appeals Review Panel of the Housing Allowance Office, a Rand Corporation project funded by HUD. Its purpose is to improve the quality of housing in test communities by providing subsidy payments to persons in the lower income brackets.

Rev. James T. BurtchaeII, C.S.C., provost, has been appointed to a three-year term on the National Catholic Educational Association's (NCEA) committee on purpose and identity.

George B. Craig, Jr., Clark Professor of Biology, has been chosen by the Entomological Society of America to receive its 1975 Distinguished Achievement Award for Teaching.

Theodore J. Crovello, chairman of the Department of Biology, has been appointed chairman of the Indiana Academy of Sciences Committee on Endangered Plant Species. The American Society of Plant Taxonomy has appointed Crovello chairman of its Committee on Data Processing Standards.

James Kritzeck, professor of history, has been named chairman of the selection committee for the Jacques Maritain Award of the American Graduate and Professional Commission.

Edward J. Mayo, Jr., associate professor of marketing, has been appointed to the board of directors of the South Bend Public Transportation Corp.

John A. Weber, associate professor of marketing, has been appointed to the Panel on International Investment of the U.S. Chamber of Commerce.

Activities

The following faculty of the Department of Microbiology presented papers at the National Meeting of the Association for Gnotobiotics at Roswell Park Memorial Institute, Buffalo, New York, on Oct. 31 - Nov. 1:

Prof. Morris Wagner and Assistant Faculty Fellow Kunwar K. Srivastava. "Decontamination of gnotobiotic mice monoassociated with Candida albicans."

Prof. Bernard S. Wostmann. "Gnotobiotic mammals as models for gastrointestinal studies."

Associate Prof. Tomoaki Asano, Department Chairman Morris Pollard and Assistant Faculty Fellow David C. Madsen. "Colonic carcinogenesis in germfree rats." Morris Pollard. "Prostate carcinomas in germfree Wistar rats."

Associate Prof. Julian R. Pleasants and Bernard S. Wostman. "Digestibility of lipids in germfree C3H mice fed chemically defined diet."

David C. Madsen, Morris Wagner and Bernard S. Wostmann. "Effects of defined microflora on bile acids of gnotobiotic rats."

Frank Bonello, associate professor of economics, William I. Davisson, professor of economics and Thomas R. Swartz, associate professor of economics, delivered a paper entitled "Explaining Cognitive Achievement in Economics: A Test of Alternative Procedures," at the Illinois Economic Association Meetings in Chicago, Nov. 1.

Raymond M. Brach, associate professor of aerospace and mechanical engineering, delivered a talk on "Product Liability, Product Failures and the Courts" to the Michiana Chapter of the Illuminating Engineering Society on Nov. 5.

George B. Craig, Jr., Clark Professor of Biology, addressed the Vector Control Workshop sponsored by the Indiana Pesticides Board, State Board of Health in Indianapolis on Oct. 24. His topic was, "Vector problems in Indiana: Species, Distribution, Abundance, Importance to Human Health." He also presented a seminar, "Mosquito family planning," at Indiana State University, Terre Haute, Indiana on Nov. 4.

Theodore J. Crovello, chairman of the Department of Biology, presented two papers "Plant Systematics at the International Botanical Congress, Leningrad" and "The use of computers to help to delimit endangered species" at the Indiana Academy of Science meeting in Indianapolis on Oct. 31.

Thomas P. Cullinane, assistant professor of aerospace and mechanical engineering, presented a paper entitled "Interaction Computerized Diagnostic Problem Solving" at the Annual National Meeting of the American Institute for Decision Sciences Nov. 5-8 in Cincinnati, Ohio.

William Eagan, associate professor of management, presented a paper entitled: "Employment Contracts and Social Responsibility: Is Teaching the Law Enough?" at the 52nd Annual American Business Law Association Convention in Reno, Nevada, Aug. 17-20.

Msgr. John J. Egan, Director of the Center for Pastoral and Social Ministry, delivered the keynote address, "Take Power, My People," to a conference sponsored by the Interfaith Program for the Elderly Nov. 12 at Marquette University in Milwaukee. He also addressed the faculty and students of St. Mary of the Lake Seminary in Mundelein, Illinois, on Nov. 24 on "Poverty and Thanksgiving: Dilemmas in American Justice."

Josephine M. Ford, associate professor of theology, lectured on "Social Consciousness in the New Testament: Jesus and Paul, a Contrast" and "Animal Symbolism in Apocalyptic Literature and its Relationship to Jewish Dietary Law and Kelayim" at Boston University on Sept. 14-15. She spoke on "The Shekinah, the Feminine Aspect of the Deity" at Rochester Colgate College on Oct. 2 and on "Biblical Guidelines to Mariology" at the National Shrine in Washington, D.C., on Nov. 18.

Stanley M. Hauerwas, associate professor of theology, delivered a lecture on "Theology and Bioethics," at the University of Texas Medical School on Sept. 26. He gave a lecture entitled "On Learning to Have and Care for Retarded Children" at Southern Methodist University in Dallas on Oct. 7 and was Slover Lecturer at Southwestern University Oct. 29-31. His topic was "A Tale of Two Stories: On Being a Christian and a Texan."

Brij M. Khorana, assistant professor of physics, spoke on "Lambda Transition of Liquid Helium as a Thermometric Fixed Point," at the miniconference on "Thermometry" held Aug. 18 at Helsinki University of Technology, Otaniemi, Finland, in addition to presenting two papers at the 14th International Low Temperature Physics Conference.

John J. Kozak, associate professor of chemistry, delivered several lectures during May and June in Germany and Yugoslavia. He spoke on "Denaturation: An Example of a Catastrophe" at the University of Tübingen, Germany, and by invitation of the Yugoslavian Academy of Sciences, at the Jozef Stefan Institute and the University of Ljubljana, Yugoslavia. He also delivered a lecture on "Spectator Ion Effect on the Passage of Ions through Membranes" at the Hahn-Meitner-Institut für Kernforschung in Berlin.

Ken Milani, assistant professor of accountancy, served on a three person panel on "Planning and Budgeting Cash" at the Sept. 16 Professional Development Meeting of the Michiana Chapter of the National Association of Accountants.

Walter Nicgorski, associate professor in the General Program of Liberal Studies, was an invited participant in a seminar on "American Testaments: Foundation and Realization" sponsored by Indiana University's Poynter Center on Public and American Institutions in New Harmony, Indiana, Nov. 7-9.

Daniel J. Pasto, professor of chemistry, presented a talk on Oct. 30 at the University of Pittsburgh entitled "Analysis of the Bonding in Alkenylidenecyclopropanes and in the Transition State for Cycloaddition." He also delivered talks on "Cycloaddition Reactions of Alkenylidenecyclopropanes" and "Analysis of the Bonding in Alkenylidenecyclopropanes and in the Transition State for Cycloaddition" at Bucknell University in Lewisburg, Pennsylvania on Oct. 31.

Morris Pollard, chairman of the Department of Microbiology delivered two lectures at the First International Symposium on Immunobiology of Bone Marrow Transplantation at Memorial Sloan-Kettering Cancer Center in New York City, Nov. 10-13. His topics were: "The Role of Microflora in Development of Graft vs. Host Disease" and "Murine Leukemia and Solid Tumors Treated with Bone Marrow."

John Santos, professor of psychology, gave a presentation on "Preliminary Planning for Geriatric Training in the State of New Mexico" to a special conference of consulting gerontologists to State and Area Agencies on Aging at the 28th Annual Meeting of the Gerontological Society in Louisville, Kentucky, Oct. 26-30. Santos also conducted a workshop at the Worry Clinic sponsored by the Starke County Mental Health Association in Knox, Indiana, on Oct. 3. His topic was "Facing Problems Presented by Aging and the Aged."

Thomas J. Schlereth, assistant professor of American Studies, has been awarded a research grant by the Lilly Library at the University of Indiana in Bloomington for research on religion and education in 19th century American history. He will be in residence at the Lilly Library for brief periods of research beginning in January 1976.

William P. Sexton, associate professor of management, delivered a paper entitled "Managing Change in a Bureaucratized Organization" in the Advancing Managers Seminar at Oak Ridge, Tennessee on Nov. 10.

Yu-ming Shaw, assistant professor of history, delivered an invited lecture on "The Myth and Reality of Chinese Communism in the Past Twenty-Five Years" at a meeting of China Studies Society, held at American University, Washington, D.C., on Oct. 11.

A.G. Strandhagen, professor of aerospace and mechanical engineering, presented a paper on "Regional Stability of Differential Equations Governing Ship Motion" at the 4th Ship Control Systems Symposium, The Hague, Netherlands, Oct. 27-31.

Edward R. Trubac, associate professor of finance, spoke to the Michiana Chapter of the American Foundrymen's Society in Mishawaka Nov. 10 on the topic "The Long-term Outlook for Castings."

Stephen T. Worland, associate professor of economics, served as a commentator on two papers dealing with "Adam Smith as a Social Economist" at the annual meeting of the Illinois Economics Association in Chicago on Nov. 1.

office of advanced studies

Policy Statement

Policy Statement for Protection of Human Subjects

Introductory Comment

The University has had a policy statement on the protection of human subjects for a number of years to satisfy HEW (NIH) requirements. The first issuance was in August, 1967, with a revision in February, 1973. In June, 1975, the University received notice from HEW (NIH) that all assurances of compliance would have to be revised to conform to Part 46 of Title 45 of the Code of Federal Regulations as Amended, March 13, 1975, and the Secretary of HEW Notice of May 20, 1975. Accordingly, the University's policy statement was revised and submitted to HEW (NIH) for approval.

The latest revision has now been approved and is reproduced herewith. The requirements imposed by the policy have had the beneficial result of enhancing the effectiveness and efficiency of research protocol by assisting researchers to articulate their experimental procedures. But more than this, by the policy statement and established procedures, the University demonstrates its corporate responsibility, and reassures the general public and federal government that their support of research on human subjects will not result in the abuse of human dignity and life.

Please be advised that this policy covers both research and educational activities whether supported by outside sponsor or not.

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ASSURANCE OF COMPLIANCE WITH DHEW REGULATIONS ON PROTECTION OF HUMAN SUBJECTS

1. The University of Notre Dame will comply with the Department of Health, Education and Welfare regulations on Protection of Human Subjects (45 DFR 46 as amended), accordingly:

2. This institution has established and will maintain a Committee on the Protection of Human Subjects competent to review projects and activities that involve human subjects. The Committee shall determine for each activity as planned and conducted whether subjects will be placed at risk and if risk is involved, whether:

The risks to the subject are so outweighed by the sum of the benefit to the subject and the importance of the knowledge to be gained as to warrant a decision to allow the subject to accept these risks;

The rights and welfare of any such subjects will be adequately protected;

Legally effective informed consent will be obtained by adequate and appropriate methods in accordance with the provision of the regulation;

The conduct of the activity will be reviewed at timely intervals.

3. This institution will provide for Committee reviews to be conducted with objectivity and in a manner to ensure the exercise of independent judgment of members. Members will be excluded from review of projects or activities in which they have an active role or conflict of interest.

4. This institution will encourage continuing constructive communication between the Committee and the activity director as a means of safeguarding the rights and welfare of the subjects.

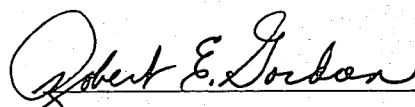
5. This institution will have available the facilities and professional attention required for subjects who may suffer physical, psychological, or other injury as a result of participation in an activity.

6. This institution acknowledges that it will bear full responsibility for the proper performance of all work and services including the use of human subjects under any grant or contract covered by this assurance, including continuing compliance with pertinent state or local laws, particularly those concerned with informed consent.

7. This institution will maintain appropriate and informative records of the Committee's review of applications and activities, of documentation of informed consent, and of other documentation that may pertain to the selection, participation, and protection of human subjects and to the review of circumstances that adversely affect the rights or welfare of individual subjects.

8. This institution will at least annually reassure itself through appropriate administrative overview that its practices and procedures designed for the protection of the rights and welfare of human subjects are being effectively applied and are consistent with the regulation and with the implementation of this assurance as accepted by the Department of Health, Education, and Welfare.

9. This general assurance of compliance applies to the University of Notre Dame.



Dr. Robert E. Gordon
Vice President for
Advanced Studies
July 15, 1975
Telephone: (219)283-6291.

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THE PROTECTION OF HUMAN SUBJECTS

Introduction

The University recognizes an inherent obligation to see that the rights and well-being of persons who serve as subjects in research and educational programs conducted under its auspices are adequately protected. This obligation assumes a greater dimension when procedures are employed or activities are pursued in conjunction with education and research which may present an element of physical, psychological or social risks to the human subject that is not normally a part of the daily exigencies of his or her life.

In meeting its obligations the University relies on the good judgment of its Faculty and Administration, with appropriate communication following normal academic channels. In the matter of the protection of human subjects, the University will continue to utilize its normal channels of communication, augmented by a special review committee, and here calls for a posture of heightened sensitivity and special scrutiny on the part of the initiator of any program which involves human subjects and that of his immediate supervisor, as the primary agents of the University in these matters.

In 1967, the University established a Standing Committee on the Use of Human Subjects in Research. This Committee by its charge effectively addressed only one aspect of the

involvement of human subjects. The experience obtained by this Committee, when coupled with an expanded perception of the concept of risk to human subjects in relation to the totality of University activities and the increasing use of new and innovative procedures in classroom demonstration, professional training and research, demands a restatement of our policies and procedures. The restatement includes a broadening of the charge to the Standing Committee as well as the development of changes in policy and procedures.

Committee on the Protection of Human Subjects

The President of the University, upon recommendation by the Vice President for Advanced Studies, appoints a standing committee of faculty representatives and public members with appropriate interest and qualifications. This standing committee shall be known as the Committee on the Protection of Human Subjects. The Committee is charged to recommend policies and procedures and to review proposals for the use of human subjects in the several University functions, principally training, educational demonstrations, research and related activities.

The recommendations of the Committee are transmitted by the Vice President for Advanced Studies to the President of the University for his approval. The Committee encourages submissions by interested faculty members and administrators of information or suggestions for refinement of these policies and procedures as experience with them accumulates.

Procedures

1. All educational programs and/or research, including class projects, conducted or supervised by members of the faculty and/or their graduate students (hereafter referred to as Principal Investigator) which involve any risk to human subjects must be proposed for review and approved by the Committee on the Protection of Human Subjects.

a. Accordingly, each Principal Investigator is expected to report to his Chairman any prospective use by him or his students of human subjects in instruction or research that could possibly have severe or traumatic effects.

b. To be reported in every case is any planned administration to human subjects of any stimulus, externally or internally administered (including all drugs, toxins, or other substances and/or visual, auditory, mechanical or social conditions), having known or potentially harmful physiological or psychological effects. The further responsibility of the Chairman is then to insure that the responsible Principal Investigator complies with the procedures outlined hereafter.

2. In preparation of proposals for activity involving human subjects the Principal Investigator must insure that three principal rights of the cooperating participants are respected:

a. The right of the person to be secure in the trust that his or her physical and mental well-being will not be jeopardized by conditions of the program unless, with understanding of the possible consequences, he or she willingly and knowingly accepts whatever risks are involved.

b. The right of the person to expect that the highest degree of privacy will be maintained with any and all information given knowingly or unknowingly as a participant unless he or she willingly and knowingly gives permission for such information to be identified with him or her as an individual.

c. The right of the person to rely on the assurances of the investigator that the conditions, instruments, and methods of the activity are morally and ethically appropriate to the goals, that he or she will be informed about any risks that are involved, that these risks which are present are justified by the expected benefits of the program.

3. The proposed activity must be appropriately described and the description must include the following:

a. An assessment of the physical and mental risk to the subjects. In those instances where procedures may result in stressful or traumatic experiences, the Principal Investigator must describe measures for relieving the trauma or ameliorating the stress. He must also provide professional assessment of the expected condition of the subjects after their involvement in the experiment as compared to their prior condition.

b. An assurance that there will be no dissemination of personal or confidential information as may be given knowingly or unknowingly by the subject without his or her explicit knowledge and permission. (If not included in the proposal, include a description of the methods to be used in protecting from unwarranted dissemination such confidential information as may be adduced.)

c. An assurance that the contemplated use of human subjects is necessary to the goals of the project and that the project should result in an advancement of knowledge or other specified human benefit.

d. A statement that the project will be conducted subject to pertinent laws, regulations, and provisions of applicable agreements with sponsors.

4. It shall be the primary responsibility of the Principal Investigator to secure the legally effective informed consent of each individual prior to the individual's participation in the proposed activity.

a. Legally effective informed consent means the consent of an individual or his or her legally authorized representative, so situated as to be able to exercise free power of choice without undue inducement or any element of force, fraud, deceit, duress, or other form of constraint or coercion.

b. The basic elements of information necessary to such consent include:

(1) A fair explanation of the procedures to be followed, and their purposes, including identification of any procedures which are experimental;

(2) a description of any attendant discomforts and risks reasonably to be expected;

(3) a description of any benefits reasonably to be expected;

(4) a disclosure of any appropriate alternative procedures that might be advantageous for the subject;

(5) an offer to answer any inquiries concerning the procedures; and

(6) an instruction that the person is free to withdraw his or her consent and to discontinue participation in the project or activity at any time without prejudice to the subject in such matters as care, education, and compensation.

c. The documentation of informed consent will employ one of the following three forms:

(1) Provision of a written consent document embodying all of the basic elements of informed consent. This may be read to the subject or to his or her legally authorized representative. But in any event, the legally authorized representative must be given adequate opportunity to read it. This document is to be signed by the subject or his or her legally authorized representative. Sample copies of the consent form as approved by the Committee as well as executed copies of the consent form will be retained in Committee records.

(2) Provision of a "short form" written consent document indicating that the basic elements of informed consent have been presented orally to the subject or to his or her legally authorized representative. Written summaries of what is to be presented orally will be approved by the Committee. The short form is to be signed by the subject or his or her legally authorized

ized representative and by an auditor witness to the oral presentation and the subject's signature. A copy of the approved summary, annotated to show any additions, is to be signed by the persons officially obtaining the consent and by the auditor witness. Sample copies of the consent form and of the summaries as approved by the Committee, as well as the executed copies of the consent form and summary, will be retained in Committee records.

(3) Modification of either of the primary procedures outlined in (1) and (2) of this section. Permission to use modified procedures will be granted provided:

(a) the risk to any subject is minimal,

(b) use of either of the primary procedures for obtaining informed consent would invalidate objectives of considerable immediate importance, and

(c) any reasonable alternative means for attaining these objectives would be less advantageous to the subjects.

The Committee's reasons for permitting the use of modified procedures will be individually and specifically documented in the minutes and in reports of Committee actions to the files of the University. All such modifications will be regularly reconsidered as a function of continuing review and as required for annual review, with documentation of reaffirmation, revision, or discontinuation, as appropriate.

d. The informed consent, written or oral, shall not include exculpatory language through which the subject is made to waive, or to appear to waive, any of his or her legal rights, including any release of the University or its agents from liability for negligence.

e. In some instances, the anonymity of subjects may be compromised if it be known to other than the Principal Investigator that the subject is participating in a research project. In such instances, all signed informed consent documents will be retained in Committee records in a sealed envelope. The seal will not be broken:

(1) without the consent of the Principal Investigator, and

(2) the identity of the subject will not be disclosed except:

(a) with the consent of the subject or his or her legally authorized representative; or

(b) as may be necessary for the Secretary of Health, Education, and Welfare (or any other officer or employee of the Department of Health, Education, and Welfare to whom authority has been delegated) to carry out his or her responsibilities regarding human subjects.

f. A copy of the informed consent document, written summaries to be presented orally, and the procedure to be used in obtaining informed consent must be submitted as a part of the proposal to be reviewed by the Committee.

5. The University subscribes to a number of ethical codes which are concerned with the protection of human subjects. A file of these and other codes will be maintained in Committee files. Copies will be made available upon request to University faculty, staff, and others concerned with activities relating to human subjects. It is understood that these codes or principles do not supersede Department of Health, Education, and Welfare regulations or applicable laws.

6. Upon receipt through the usual channels of the proposal accompanied by the required statements and assurances from the Principal Investigator, the Assistant Vice President for Research and Sponsored Programs, acting as Secretary of the Committee, will submit these to the Committee on the Protection of Human Subjects for review and approval. Whenever deemed necessary, the Committee may ask the Principal Investigator to discuss his research plan with one or more of its members or with specifically qualified and designated Members of the Faculty before approving it. Notice of approval or the need for further information and review by the Committee will be sent to the Principal Investigator and to all academic administrative officials involved in the submission of proposals. Assurances and statements required by sponsoring agencies should be an integral part of the research proposal when submitted or forwarded subsequently as necessary.

7. In transmitting a notice of approval, the Secretary of the Committee will caution the Principal Investigator that the approval applies to those assurances and methods described in statements provided to the Committee.

Should the Principal Investigator subsequently wish to use human subjects in a substantially different manner, the Committee must be provided with additional statements and documents in keeping with the requirements of Section 1 through 4.

8. Each Principal Investigator using human subjects in his or her research under a statement of assurances and methods approved by the Committee will be asked to confirm to the Committee at six-month intervals that he or she is continuing to honor these assur-

ances and to use the methods described in the original protocol. During the six months between the submission of these statements, the Chairman of the Department is responsible for the continuing surveillance of compliance by the Principal Investigator with the terms and conditions of the formal statement approved by the Committee either as originally submitted or as subsequently modified.

9. Appeal of a decision of the Committee on the Protection of Human Subjects disapproving a proposal because of inadequate safeguards of the rights or well-being of human subjects may be presented to the University Committee on Research and Sponsored Programs. (If the Principal Investigator revises his or her statement to incorporate changes suggested by the Committee on the Protection of Human Subjects, it should be resubmitted to the Committee for approval.) The University Committee on Research and Sponsored Programs will assemble an ad hoc sub-committee to review the appeal. This ad hoc committee, augmented by specialists from the faculty or elsewhere as necessary, will consider the appeal and present its findings to the University Committee on Research and Sponsored Programs which will make a recommendation to the President for final disposition.

10. The Principal Investigator at the time of developing informed consent will explain to the subjects the avenues for registering complaints. Subjects may register complaints directly to the Committee through the Secretary of the Committee.

11. Health care of subjects involved in research is under the immediate supervision, authority, and responsibility of the University Physician and such professional medical specialists as may be required and designated by him. A modern, well-equipped, and fully staffed Infirmary, under the administration of the Sisters of the Holy Cross, is available for the care of subjects during any incapacity or illness that, despite every precaution provided for by these policies and procedures, might result from their participation as subjects in research, education, and related activities. When necessary, the facilities of St. Joseph's Hospital in neighboring South Bend, Indiana, are readily available.

12. The Committee consists of the Chairman, five appointed faculty members, a practicing physician who will represent the public, and the Secretary. A quorum for a meeting will consist of four members of the Committee plus the Secretary. The Committee shall meet on the second Wednesday of each month to consider and act on proposals, appeals, and complaints.

Since the proposal due date for a number of sponsoring agencies is the first day of the month, Principal Investigators who anticipate using human subjects in their research protocols will be urged to submit their proposals for Committee review no later than the first day of the month preceding the

month of the sponsor's proposal due date, preferably earlier. The Committee meeting date is set to allow sufficient time for review to meet these dates.

13. The Secretary of the Committee will record the minutes of the meetings of the Committee, will preserve all writings pertaining to its deliberations, and will keep such other records as are required by law, contract, and other University obligations.

The foregoing policies and procedures were reviewed and updated, June 30, 1975.

UND-OAS 1975

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MEMBERS OF COMMITTEE ON THE PROTECTION OF HUMAN SUBJECTS

SUMMARY OF COMPETENCIES REPRESENTED ON THE COMMITTEE

1. Chairman - Dr. Ralph E. Thorson
Sc.D., The Johns Hopkins University, 1952
Professor of Biology, University of Notre Dame, with research interests in the immunology of parasitic infections, veterinary parasitology, descriptive parasitology, parasite physiology and parasitic chemotherapy.
2. Faculty Member - Dr. Phyllis M. Webb
Ph.D., University of Minnesota, 1973.
Assistant Professor of Microbiology, University of Notre Dame, with research interests in immunology; reconstruction of bone marrow treated, radiation induced, allogenic chimeric mice; thymocyte studies in germ-free vs. conventional mice.
3. Faculty Member - Dr. Kenyon S. Tweedell
Ph.D., University of Illinois, 1953.
Professor of Biology, University of Notre Dame, with research interests in developmental biology, embryology, cytology, and regeneration; experimental cancer research.
4. Faculty Member - Dr. John F. Santos
Ph.D., Tulane University, 1958.
Professor of Psychology, University of Notre Dame, formerly program co-director at the Menninger Foundation, with research interests in the perceptual-cognitive processes, cultural factors in perception and cognition, research design and methodology, problems of the aged.

5. Faculty Member - Dr. Thomas F. Broden, Jr.
J.D., University of Chicago, 1950.
Professor of Law and Director of the Institute for Urban Studies, University of Notre Dame, with research interests in social security and compensation insurance law, fair employment practices and other public law subjects; urban problems; multicultural education.
6. Faculty Member - Dr. Richard A. Kurtz
Ph.D., Michigan State University, 1959.
Professor of Sociology, University of Notre Dame, with research interests in medical sociology, urban sociology; social psychiatry; social aspects of mental retardation and developing societies.
7. Public Member - Dr. Thomas A. Troeger,
M.D., Indiana University School of Medicine, 1962.
Certified American Board of Internal Medicine; Assistant Professor of Medicine, Indiana University School of Medicine; Director, South Bend Center for Medical Education.
8. Secretary - Dr. Francis M. Kobayashi
Sc.D., University of Notre Dame, 1953.
Assistant Vice President for Research and Sponsored Programs for the University; Professor of Aerospace and Mechanical Engineering, University of Notre Dame.

Information Circulars

Resources for the Future, Inc. Annual Doctoral Dissertation Fellowships In Natural Resources, 1976-77

No. FY76-42

The purpose of these fellowships is to assist qualified graduate students in completing doctoral dissertation work and to stimulate their interest in the application of social science disciplines to problems in the field of natural resources. The fellowships are designed to enable students who have completed all doctoral requirements except the dissertation to devote full time for one academic year to dissertation research.

Eligibility:

Candidates must be nominated by the academic department in which the student is a candidate. Direct applications are not accepted. A department may nominate more than one candidate.

Nominees must have completed all requirements for the doctorate except the dissertation before the start of the 1976-77 academic year.

The research must relate to natural resources, their products, or their services, including land, water, minerals, energy, materials, forests, outdoor recreation, fish, wildlife, and air, or any combination of these. It must involve the social sciences or related fields of study, such as economics, economic history, economic geography, business administration, political science, political history, political geography, public administration, planning, sociology, statistics. Interdisciplinary research is appropriate.

Duration:

The regular 1976-77 academic year, consisting of two semesters or three quarters.

Amount:

The basic stipend is \$4,500. A dependency allowance of \$500 is provided for married fellows with children and an additional allowance may be available to cover modest incidental research expenses.

Closing Date:

Nominations must be received by February 1, 1976. Nominees will be notified by or about March 15, 1976. Approximately ten awards will be made.

For further information, and an application form, contact the Office of Advanced Studies, Extension 7378.

Duke University Master of Arts in Teaching, 1976-77

No. FY76-43

Through the Duke University Master of Arts in Teaching Program college graduates desiring to teach English, Mathematics, Biology or the Social Studies may work toward a master's degree and a teaching certificate simultaneously while earning a salary as a teacher. Participants are placed as beginning teachers (interns), usually in cooperating public and private school systems.

Course of Study:

The program is normally of fifteen months duration (two summers and the intervening school year).

Financial Support:

Full salary will be paid during the year of teaching. The salary range is approximately \$6,000-\$8,000 depending on location. University support reduces the tuition and fees to be paid by interns to approximately \$1,500, or one-half of the regular tuition rate.

Mathematics Program

In an effort to attract more majors in mathematics into teaching, the Department of Mathematics has established a six-course sequence of mathematics courses for graduate students. The following courses will be taught in pairs

in successive summer terms: Intermediate Analysis and Advanced Linear Algebra with Applications; Theory of Numbers and Introductory Topology; Geometry for Teachers and Advanced Modern Algebra.

Applications:

Write to:

Dean of the Graduate School of Arts and Sciences
Duke University
Durham, North Carolina 27706

Deadline:

Applications should be submitted as early as possible, but not later than February 1, 1976. While not required, a personal interview is highly desirable. For further information write to:

Director of the Cooperative Program in Teacher Education
Department of Education
Duke University
Durham, North Carolina 27708

For further information contact the Office of Advanced Studies, Extension 7378.

**National Science Foundation
Research Opportunities
For Small College Faculty**

No. FY76-44

Opportunities are available for faculty members of smaller institutions to remain active in original and basic research by participating in research supported by NSF at large active departments of a nearby university. Plans for summer 1976 should be completed within the next two months. NSF grantees planning to employ faculty members from smaller institutions under these arrangements should inform their NSF contact and request changes in project budget allocation, if necessary, or request supplemental funds, if required. For further information, contact Leonard F. Gardner, NSF, 1800 G. St., N.W., Wash., D.C. 20550 (632-4278).

**National Fellowships Fund
Middle East and Africa Field Research
Fellowship Program for Black Americans**

No. FY76-45

The National Fellowship Fund is offering a limited number of fellowships for field research in Africa and the Middle East which are designed to expand opportunities available to Black Americans.

Eligibility:

Applications will be accepted from individuals presenting proposals at the predoctoral levels. Persons pursuing academic programs in graduate faculties of arts and sciences as well as the professional schools may also apply.

The purpose of the program is to provide opportunities for an extended research and training experience in the overseas setting. Fellowships will normally be awarded for projects requiring a period of up to 12 months in the field, but flexibility will be exercised to accommodate shorter research periods. Stipends will differ according to country, but will include transportation costs, maintenance allowance for the Fellow and dependents plus certain expenses related to undertaking overseas research.

Deadline:

Applications should be submitted by January 5, 1976. Requests for applications should be directed to:

Middle East and Africa Field Research
Fellowship Program for Black Americans
National Fellowships Fund
795 Peachtree Street, N.E.
Atlanta, Georgia 30308

For further information, contact the Office of Advanced Studies, Extension 7378.

**National Fellowships Fund
Graduate Fellowships for Black Americans
1976-77**

No. FY76-46

With the support of the Ford Foundation, the National Fellowships Fund is offering a limited number of graduate fellowships to Black Americans who intend to pursue a career in higher education.

Qualifications:

Must be citizens of the United States.

Must be enrolled in or planning to enter an accredited U.S. graduate school offering the doctoral degree in their field of study.

Must be currently engaged in or planning to enter a career in higher education.

Eligibility:

Limited to Applicants who plan to pursue full-time study toward the doctoral degree in the Arts or Sciences or applicants who hold a first postbaccalaureate professional degree, such as the M.D., J.D., or the masters in Architecture, Business Administration, Education, Engineering, Library Science, Public Administration, Public Health, or Urban Affairs and Planning -- and plan to continue on the doctoral level in preparation for a career in higher education.

Stipend:

Fellowships will include full tuition and fees, an allowance of \$300 for books and supplies, and a monthly stipend of \$300. A married fellow may apply for an additional stipend of \$50 per month for his or her spouse and each dependent child. Applicants are required to submit scores on the Graduate Record Examination Aptitude Test and one Advanced Test.

Deadline:

Deadline for submitting applications and all supporting documents is January 5, 1976.

For application forms and additional information write to:

Graduate Fellowships for Black Americans
National Fellowships Fund, Suite 484
795 Peachtree Street, N.E.
Atlanta, Georgia 30308

For further information, contact the Office of Advanced Studies, Extension 7378.

Current Publications And Other Scholarly Works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

Economics

- Davisson, William I.
W.I. Davisson and J.J. Uhan. 1975. The design for a national socio-economic model. Pages 355-360 in, Proceedings of the 1975 International Conference on Cybernetics and Society.
- Jameson, Kenneth
K. Jameson. 1975. Development patterns and regional imbalance in Brazil. Review of Economics and Statistics 57(3):361-364.
- Leahy, William H.
W.H. Leahy. 1975. Grievances over union business. The Arbitration Journal 30(3): 191-198.
- J.P. Walter, W.H. Leahy, and A.G. Dobbelaere. 1975. Deprived Urban Youth. Praeger, New York.
- Wilber, Charles K.
C.K. Wilber. 1975. An inquiry into the human prospect: A review. Journal of Economic Issues 9(3):545-548.
- C.K. Wilber. 1975. Planning, power and the neoinstitutionalist paradigm. Eastern Economic Journal.
- C.K. Wilber and J.H. Weaver. 1975. Income distribution and economic development in undeveloped countries. Intellect 104:2368: 91-93.

English

- McDonald, John J.
J.J. McDonald, ed. 1974. A Sophia Hawthorne Journal, 1843-1844. Pages 1-30 in, C.E.F. Clark, Jr., ed. The Nathaniel Hawthorne

Journal, 1974. Microcard Editions Books Englewood, Colorado.

Werge, Thomas

- T. Werge. 1975. The word as deed in Crime and Punishment. Renascence 27:207-219.

General Program of Liberal Studies

Lyon, John J.

- J.J. Lyon. 1975. Review of John Passmore, Man's Responsibility for Nature: Ecological Problems and Western Traditions. Review of Politics 37(4):564-566.

Government and International Studies

Bartholomew, Paul C.

- P.C. Bartholomew. 1975. The Supreme Court of the United States, 1973-1974. Public Law Summer:101-112.

Kromkowski, John A.

- J.A. Kromkowski. 1975. The Bicentennial An Ethnic Epiphany. National Humanities Series. Running Time: 45:00.

History

Dolan, Jay P.

- J.P. Dolan. 1975. Immigrants USA. Review of D. Buczek, Immigrant Pastor, R. Linkh, American Catholicism and European Immigrants and S. Tomasi, Piety and Power. National Catholic Reporter 11(42):12,15.

- J.P. Dolan. 1975. Review of W. Clebsch, American Religious Thought and E.S. Gaustad, Dissent in American Religion. The Heythrop Journal 16(3):339-341.

- J.P. Dolan. 1975. The Immigrant Church: New York's Irish and German Catholics, 1815-1865. John Hopkins University Press, Baltimore. 221 pp.

Kerby, Robert L.

- R.L. Kerby. 1975. Review of Leonard Baker, John Marshall: A Life in Law. Review of Politics 37(3):411-414.

Shaw, Yu-ming

- Y.M. Shaw. 1975. The relationship between American Protestant Church (and its China Missionaries) and the U.S. Government, 1800's-1930's. East Asian Quarterly 6(3): 66-73.

Smelser, Marshall

- M. Smelser. 1975. Roger Williams. American History Illustrated 10(5):31-38.

- M. Smelser. 1975. The Life That Ruth Built: A Biography. Quadrangle/The New York Times Book Co., New York. 600 pp.

Modern and Classical Languages

Rubulis, Aleksis

- A. Rubulis. 1975. Uzvara. Laiks 27(2621):3.
- A. Rubulis. 1975. Practical Russian. Texts and recordings on tapes. University of Notre Dame, Notre Dame, Indiana. 25 pp.

Philosophy

Chroust, Anton-Hermann

- A.-H. Chroust. 1975. Aetius, De Placitis I.7. 7-9: A fragment of Aristotle's On Philosophy. The New Scholasticism 49(2): 211-218.
- A.-H. Chroust. 1975. Aristotle, De Caelo 279 a 18-35 (or 279 b 3): A fragment of the lost Aristotelian On Philosophy. The Thomist 39(2):332-340.
- A.-H. Chroust. 1975. Some additional fragments of Aristotle's On Philosophy in Iamblichus' Protrepticus and Iamblichus' De Communi Mathematica Scientia. Tijdschrift voor Filosofie (Belgium) 37(1): 89-94.
- A.-H. Chroust. 1975. Some comments on Philo of Alexandria, De Aeternitate Mundi. Laval Théologique et Philosophique (Canada) 31(2):135-145.

Evans, Joseph W.

- J.W. Evans. 1975. My favorite cookbook. Notre Dame Scholastic 117(1):9-10.

Psychology

Dawson, William E.

- W.E. Dawson. 1975. Student experimental psychology convention. Pages 467-468 in, J.B. Maas and D.A. Kleiber, eds. Directory of Teaching. Innovations in Psychology. American Psychological Association, Washington, D.C.

Sociology and Anthropology

Despres, Leo A.

- L.A. Despres. 1975. Ethnicity and resource competition in Guyanese society. Pages 87-117 in, L.A. Despres, ed. Ethnicity and Resource Competition in Plural Societies. Mouton & Co., The Hague, The Netherlands.
- L.A. Despres, ed. 1975. Ethnicity and Resource Competition in Plural Societies. Mouton & Co., The Hague, The Netherlands. 221 pp.
- L.A. Despres. 1975. Introduction. Pages 1-7 in, L.A. Despres, ed. Ethnicity and Resource Competition in Plural Societies. Mouton & Co., The Hague, The Netherlands.
- L.A. Despres. 1975. Toward a theory of ethnic phenomena. Pages 187-207 in, L.A. Despres, ed. Ethnicity and Resource Competition in Plural Societies. Mouton & Co., The Hague, The Netherlands.

Press, Irwin

- I. Press. 1975. Tradition and Adaption: Life in a Modern Yucatan Maya Village. Greenwood Press, Westport, Connecticut. 224 pp.

Weigert, Andrew J.

- A.J. Weigert. 1975. Review of M. Rokeach, The Nature of Human Values, Journal of the Scientific Study of Religion 14:198-200
- A.J. Weigert. 1975. Substantival self: A primitive term for a sociological psychology. Philosophy of the Social Sciences. 5:43-62.

- A.J. Weigert, J. Nash, and D. Thomas. 1973. Code elaboration and self concept states. Journal of Social Psychology 90:45-51.

Theology

Whitehead, Evelyn E.

- J.D. Whitehead and E.E. Whitehead. 1975. Educational models in field education. Theological Education 11(4):269-278.
- Whitehead, James D.
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ENGINEERING

Aerospace and Mechanical Engineering

Ariman, Teoman

- T. Ariman, M.A. Turk, and N.D. Sylvester. 1975. Suspension rheology - a micro - continuum approach. Rheologica Acta 14(5):385-393.

Betchov, Robert

- R. Betchov. 1975. Numerical simulation of isotropic turbulence. Physics of Fluids 18(10):1230-1236.

Lloyd, John R.

- J.R. Lloyd and W.R. Moran. 1974. Natural convection adjacent to horizontal surfaces of various planforms. Winter Annual Meeting of the American Society of Mechanical Engineers in New York, N.Y., November 17-22. Paper No. 74-WA/HT-66. 5 pp.

- G.E. Chetta, J.R. Lloyd, T.J. Mueller, and E.H. MacDonell. 1975. Fabrication and evaluation of a tri-leaflet prosthetic heart valve. Pages 66-69 in, Proceedings of Bioengineering. ASME Annual Meeting in Houston, Texas.

Strandhagen, Adolph G.

- A.G. Strandhagen and C.B. Mast. 1975. Local controllability of surface ships using piecewise constant controls. Pages 622-627 in, Proceedings of the 1975 Summer Computer Simulation Conference, July 23, 1975, San Francisco, California.

Metallurgical Engineering

Fiore, Nicholas F.

- R.H. Latiff and N.F. Fiore. 1975. Ultrasonic attenuation and velocity in two-phase microstructures. Journal of the Acoustical Society of America 57(6): 1441-1447.

BUSINESS ADMINISTRATION

Accountancy

Milani, Ken

- K. Milani. 1975. The relationship of participation in budget-setting to industrial supervisor performance and attitudes: A field study. Accounting Review 50(2):274-284.

- K. Milani and J.L. Wittenbach. 1975. A charitable contribution deduction flow-chart for corporations. Taxes - the Tax Magazine 53(8):485-489.
- Pattillo, James W.
- J.W. Pattillo. 1975. Materiality: The (formerly) elusive standard. Financial Executive 43(8):20-28.
- J.W. Pattillo, and B. Joplin. 1975. Increasing client satisfaction through improved reporting. Pages 150-216 in, Accountants' Factomatic. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.
- Wittenbach, James L.
- K. Milani and J.L. Wittenbach. 1975. A charitable contribution deduction flow-chart for corporations. Taxes--the Tax Magazine 53(8):485-489.
- J.L. Wittenbach and S.J. Mayer. 1975. A flowchart of the charitable contribution rules. Pages 75-79 in, New Developments in Modern Accounting. American Institute of Certified Public Accountants, New York.

Management

- Chang, Yu-Chi
- Y.U. Chang. 1974. The public response to "How to conserve gasoline-free market pricing or fixed-price rationing." A survey analysis. Indiana Academy of the Social Sciences. 9:58-66.
- Cosier, Richard
- R. Cosier and G.L. Rose. 1975. The effects of payoff interdependency and information regarding counterpart preferences on expectations and choice behavior. Pages 249-253 in, Proceedings of the 1975 Midwest American Institute for Decision Sciences.
- Ghoshal, Animesh
- A. Ghoshal. 1975. The price responsiveness of primary producers. A relative supply approach. American Journal of Agricultural Economics 57(1):116-118.
- Kartha, C. Peethambaran
- C.P. Kartha and W.G. Hunter. 1975. Determining the most profitable target value for a production process. Department of Statistics, University of Wisconsin, Madison. Technical Report #417, 14 pp.
- C.P. Kartha and W.G. Hunter. 1975. On sampling from an I.M.A. (0,1,1,) process. Department of Statistics, University of Wisconsin, Madison. Technical Report #419, 7 pp.
- Ryan, CSV, -Leo V.
- L.V. Ryan, CSV. 1975. Integrating work experience and management for college bound students. The Balance Sheet 57(1): 16-17, 43.
- L.V. Ryan, CSV. 1975. The ABC's of parent involvement. Today's Catholic Teacher 9(1):67,82-83.
- L.V. Ryan, CSV. 1975. The bishops pastoral: A model for consultation in the church. Notre Dame Journal of Education 6(3):211-221.
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- L.V. Ryan, CSV. 1975. Developing skills in decision making. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(5). Running Time: 22:48.
- L.V. Ryan, CSV. 1975. Developing skills in delegating. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(3). Running Time: 27:45.
- L.V. Ryan, CSV. 1975. Developing skills in problem solving. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189 (4). Running Time: 36:28.
- L.V. Ryan, CSV. 1975. Making parish structures more effective. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(8). Running Time: 28:32.
- L.V. Ryan, CSV. 1975. Management: An introduction. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(1). Running Time: 24:10.
- L.V. Ryan, CSV. 1975. Managing differences and conflicts. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(6). Running Time: 38:18.
- L.V. Ryan, CSV. 1975. New structures for a new church. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(7). Running Time: 36:13.
- L.V. Ryan, CSV. 1975. Time management. Management Principles for Parishes. Meditapes: Thomas More Cassette Program, Cassette No. M189(2). Running Time: 28:13.

Marketing Management

- Stock, James R.
- J.R. Stock and B.J. LaLonde. 1975. Learning needs: A survey of requirements, 1972-1974. Pages 92-96 in, Proceedings, 10th International Logistics Symposium.

Monthly Summary

Proposals Submitted

IN THE MONTH OF OCTOBER, 1975

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Electrical Eng.	Leake, Sain, Melsa	Alternatives for jet engine control	Natl. Aero. Space Admin.	31,579 12
Microbiology- Lobund Lab.	Pollard	Electron microscopy studies of neoplastic lesions	Cancer Soc. St. Joe Cty.	8,500 12
Aerospace Mech. Eng.	Huang	Investigations in mechanics of yarn	Natl. Sci. Fdn.	57,735 24
Chemistry	Pasto	Synthesis of functionalized five- membered rings via cyclo. add.	Natl. Sci. Fdn.	88,665 39
Aero. Mech., Law	Daschbach, Dutile	Evaluation of judicial infor- mation needs	SEARCH Group, Inc.	84,939 8.5
American Studies	Schlereth	Edward Frederick Sorin, 1814- 1893, a biography	Our Sunday Visitor Inst. Fdn.	14,314 7.5
Microbiology Lobund Lab.	Pollard, Asano	Colo-rectal carcinogenesis in germfree and conventional rats	Natl. Inst. Health	63,120 12
Chemical Eng.	Kohn, Luks	Solubility of hydrocarbons in cryogenic NGL and LNG	Gas Process. Assoc.	23,194 9
Mathematics	Stoll	Theory of several complex variables	Natl. Sci. Fdn.	30,405 12
Biology	Greene	Effects of pH changes on trophic interactions	Natl. Sci. Fdn.	2,380 24
Mathematics	Taylor	Algebraic and geometric topology	Natl. Sci. Fdn.	13,153 12
Mathematics	Matsushima, Nagano	Lie group and differential geometry	Natl. Sci. Fdn.	51,671 12
Mathematics	O'Meara	Quadratic forms and group theory	Natl. Sci. Fdn.	42,827 12
Chemistry	Freeman	Intramolecular cyclizations of ketenes and related compounds	Amer. Chem. Soc.	23,600 24
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Chemistry	Freeman	Research instrumentation	Natl. Sci. Fdn.	55,292 -
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Radiation Lab.	Ross	Design of data tags and applica- tion to the rad. chem. data cen.	Natl. Sci. Fdn.	68,632 18
Philosophy	McMullin	Model as metaphor	Natl. Endow. Human.	37,612 8
Microbiology- Lobund Lab.	Pollard	Tumor biology in germfree animals	Natl. Inst. Health	15,876 12

Awards Received

IN THE MONTH OF OCTOBER, 1975

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Microbiology- Lobund Lab.	Wostmann, Pleasant	Characterization of nutritionally defined gnotobiote	Natl. Inst. Health	76,799 12
Aerospace Mech. Eng.	Yang	Coil optimization for volume and performance	Tyler Ref. Div.	2,950 8.5
Electrical Eng.	Massey	Coordinated design of coding and modulation systems	Natl. Aero Space Admin.	24,000 12
Metallurgical Eng.	Kuczynski, Carberry	Ionizing radiation on properties of metals	Natl. Sci. Fdn.	20,000 12
Electrical Eng.	Gajda	Radiation damage of transformer materials	General Electric Co.	1,183 2
Biology	Craig, Rai, Crovello	Ecological studies on <u>Aedes</u> <u>aegypti</u>	Agency for Intl. Dev.	26,325 6
Physics	Browne, Chagnon, Darden, Funk, Mihelich	Nuclear structure research	Natl. Sci. Fdn.	440,000 24
Administration	FitzGerald	Career opportunities for humanists	Higher Ed. Research Coun.	500 9
AWARDS FOR EDUCATIONAL PROGRAMS				
Freshman Year Studies	Hofman	Arthur J. Schmitt lecture series	A.J. Schmitt Fdn.	3,000 9
Administration	McCauslin	College work-study program	U.S. Office Education	29,103 12
Civil Eng.	Irvine	Joint program in environmental engineering and law	Environ. Prot. Agency	35,081 12

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF OCTOBER, 1975

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	\$ 587,124	3	\$ 4,633	8	\$ 591,757
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	3	67,184	-	---	3	67,184
Service Programs	-	---	-	---	-	---
Total	8	\$ 654,308	3	\$ 4,633	11	\$ 658,941

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$ 264,449	6	\$ 271,633	14	\$ 536,082
Facilities and Equipment	-	---	1	55,292	1	55,292
Educational Programs	2	53,488	1	68,637	3	122,125
Service Programs	-	---	-	---	-	---
Total	10	\$ 317,937	8	\$ 395,562	18	\$ 713,499

Closing Dates for Selected Sponsored Programs

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

Agency	Programs	Application Closing Dates		
American Association of University Women	Fellowships for Women	January	2,	1976
American Bar Foundation	Fellowships	January	1,	1976
American Institute of Architects	Arnold W. Brunner Scholarship	January	15,	1976
Department of the Interior	Water Resources Research	January	15,	1976
Department of Transportation	Fellowships and Scholarships in Highway Safety and Technology	January	15,	1976
Department of Transportation	Fellowships in Highway Transportation Research and Education	January	15,	1976
Dumbarton Oaks Center for Byzantine Studies	Visiting Fellowships	January	1,	1976
Harvard Law School	Liberal Arts Fellowship in Law	January	15,	1976
National Center for Atmospheric Research	Graduate Fellowships in the Atmospheric Sciences	January	1,	1976
National Center for Atmospheric Research	Postdoctoral Appointments	January	1,	1976
National Endowment for the Humanities	Education Programs	January	1,	1976
National Science Foundation	Ethical and Human Value Implications of Science and Technology (case studies)	January	15,	1976
Office of Education	U.S. Antarctic Research Program	January	1,	1976
	Follow through Child Development Program	January	9,	1976
	Fund for the Improvement of Postsecondary Education	January	15,	1976
	National Defense Foreign Language Fellowships	January	1,	1976
Smithsonian Institution	Vocational Curriculum Development	January	1,	1976
	Educational Opportunities in Graduate and Postdoctoral Studies at the Institution	January	15,	1976
	Fellowships	January	15,	1976
	Predoctoral Fellowships	January	15,	1976
Tinker Foundation	Postdoctoral Fellowship Program	January	15,	1976
University of Alberta	Izaak Walton Killam Memorial Postdoctoral Fellowships	January	1,	1976
University of Pittsburgh	Andrew Mellon Postdoctoral Fellowships	January	15,	1976
Woodrow Wilson International Center for Scholars	Fellowships	January	15,	1976

documentation

Errata and Addenda: NDR #4

EDITOR'S NOTE: Following are substantive corrections and additions to Notre Dame Report 4 which have been brought to the editor's attention. Some resulted from changes which had not been reported to the associate provost's office in time to have been reflected in official University files when information for the issue was gathered. May we suggest that you either remove this page and insert it in Notre Dame Report 4 or make appropriate corrections on the pages of that issue. All page numbers listed below refer to Notre Dame Report 4.

Addenda, NDR#4

- p. 101 -- ROLAND F. BEERS, JR., Adjunct Professor of Microbiology. A.B., Dartmouth College, 1944; M.D., Univ. of Rochester, 1947; Ph.D., Massachusetts Institute of Technology, 1951. (1973)
- p. 107 -- CARL J. HUNTER, Part-Time Lecturer in Architecture. B.Arch., Iowa State Univ., 1958. (1975)
- p. 108 -- Sophie Korczyk. Add: Ph.D., Washington Univ., 1975.
- p. 110 -- MICHAEL MOND, Assistant Professional Specialist in the Psychological Services Center. B.A., Indiana Univ., 1968; M.S., Univ. of Wisconsin at Milwaukee, 1971; Ph.D., *ibid.*, 1975. (1975)
- p. 112 -- WILLIAM B. ROBERTS, Assistant Professor of Aerospace and Mechanical Engineering. B.M.E., Univ. of Santa Clara, 1966; M.S., New York Univ., 1968; Dp.VKI, Von Karman Institute, 1970; D.Sc., Univ. of Brussels, 1973. (Spring 1976)

Errata, NDR#4

- pp. 85, 106 -- Edward A. Goerner, delete Acting Chairman of Government and International Studies.
- p. 111 -- Jerome L. Novotny. Deceased, delete entry.
- p. 112 -- Ellen Bouchard Ryan, Ph.D., Univ. of Michigan, 1970 not Brown Univ.
- p. 113 -- Dale W. Schutt, is an Associate Professional Specialist in the Radiation Laboratory, not Assistant Professional Specialist.
- p. 115 -- A. Peter Walsh, add B.A., Wadham College, Oxford, 1956.

The titles of some former academic administrators were inadvertently left unchanged in the Faculty Roster after they had left their administrative positions. Therefore, delete the title chairman or acting chairman, whichever applies, from after the following names: David L. Appel (p. 101), John G. Borkowski (p. 102), Rev. David B. Burrell, C.S.C. (p. 103), Cornelius F. Delaney (p. 104), Thomas W. Fallon (p. 105), Bernard J. Kilbride, Vincent P. Lannie and William H. Leahy (p. 108), Don A. Linger (p. 109), and Paul P. Weinstein (p. 115).

Also, after:

- p. 102 -- George A. Brinkley, Jr., substitute Acting Chairman for Chairman
- p. 102 -- Rev. Lawrence G. Broestl, C.S.C., delete Director, Foreign Study Program
- p. 105 -- Yusaku Furuhashi, delete Acting Dean
- p. 113 -- Thomas L. Shaffer, delete Dean

notre dame report

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