

'77-'78

notre dame report

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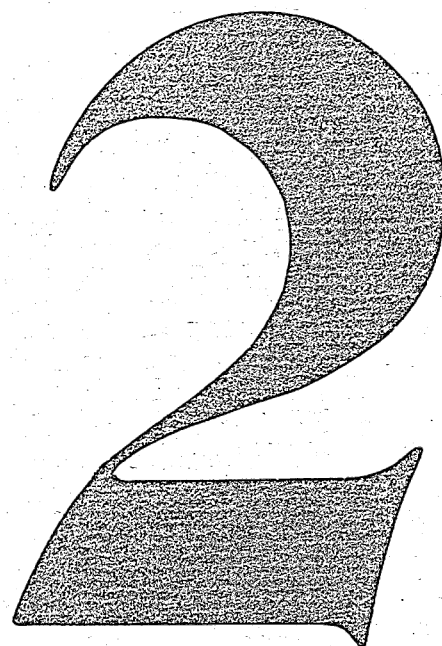
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the university

Hesburgh Honorary Dinner

Rev. Theodore M. Hesburgh, C.S.C., president of the University, will be honored for 25 years of public service at a dinner October 3 in Washington, D.C., hosted by Senator and Mrs. Hubert H. Humphrey. Among the 400 invitees are persons who served with Father Hesburgh on numerous governmental boards and committees, including five which required presidential appointment--the National Science Board, the President's General Advisory Committee on Foreign Assistance Programs, the President's Commission on an All-Volunteer Armed Force, the U.S. Commission on Civil Rights and the Presidential Clemency Board. Notre Dame's president is currently chairman of the Overseas Development Council, a Washington-based private organization concerned with issues of international development. Congressman John Brademas, majority whip in the House of Representatives, will be toastmaster for the dinner.

'Challenge Grant'

Notre Dame has received a \$400,000 "challenge grant" from the National Endowment for the Humanities to augment the humanities collection of its University Libraries. The challenge grant requires that the University contribute \$3 for every \$1 of the grant it spends. The grant itself will be used to purchase books, and the matching funds will be added to the library endowment.

Med Schools Accept More Notre Dame Premed Students

Acceptance of University of Notre Dame students in the nation's medical schools continues to be exceptionally high, according to Rev. Joseph L. Walter, C.S.C., chairman of the Department of Preprofessional Studies. About 70 per cent of those applying from Notre Dame are accepted, compared to the national average of about 30 per cent. In 1977, 148 or 72 per cent of the 204 Notre Dame graduates who applied to medical schools were accepted. In 1976, 77 per cent were accepted. Although national medical school applications have dropped slightly for the last two years after climbing rapidly for nine consecutive years, competition for places is fierce. In 1975, 15,351 first-year students were selected from 42,303 applicants.

With nearly 750 students, the University's largest department, preprofessional studies enrolls more than half the entire College of Science. Yet it has no faculty of its own, and no special courses for premedical majors. Its students take their science courses in the college's other departments--biology, chemistry, microbiology, physics and mathematics--and they must compete with science majors. Father Walter suggests this as one reason Notre Dame students perform so well on the medical college admission test. They usually average in the 70th percentile.

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Hesburgh Scholarship

A scholarship in the name of Rev. Theodore M. Hesburgh, C.S.C., president of Notre Dame has been set up for the education of students from underdeveloped countries, it was announced Sept. 7 at a dinner honoring Father Hesburgh, attended by some 300 South Bend area community leaders. Arthur J. Decio, chairman of the board of Skyline Corporation, Elkhart, Ind., and a Notre Dame trustee, said the scholarship is intended to be a vehicle for educating leaders for Third and Fourth World countries, areas in which Father Hesburgh has had a deep interest as chairman of the Overseas Development Council, a private Washington-based organization concerned with world developmental issues.

Foreign Language Exam

The foreign language reading examination for graduate students will be held on Wednesday, Nov. 30, 1977 in Room 204 O'Shaughnessy Hall from 7 to 9 p.m. The examination in each language will consist of two parts: a general text to be translated by all students; a second part will consist of a passage in the student's field of study. Dictionaries may be used for both parts of the test.

All students should register for the examination they wish to take in the Office of the Department of Modern and Classical Languages, Room 304 O'Shaughnessy Hall, by Nov. 18. Graduate students presently enrolled in the 500 level foreign language reading courses are expected to take the reading examination at the end of the semester.

Center for Student Development

Brother Just Paczesny, C.S.C., vice president for student affairs, has designated Sheridan P. McCabe to plan a new Center for Student Development, which will replace two student services McCabe currently directs, the Counseling Center and Psychological Services. In addition to providing all of the services now offered, the center will focus on students as well as on faculty and staff as they affect students. The goal is to foster student growth, both by providing direct counseling services and by helping faculty and residence hall staffs understand better the development process of young adults.

Tuition Benefits

Faculty and staff eligible for the three credit hour per semester tuition remission are reminded that, in accordance with the general conditions stated in the Faculty Handbook and elsewhere, academic study must not infringe upon the services expected from the faculty and staff members. No application for the fringe benefit will be considered without the approval of the applicant's immediate supervisor. Application forms and other information are available from the Office of the Assistant Vice President for Advanced Studies: Instruction, 316 Administration Building.

Memorial Library Hours

Schedule when classes are in session (Tuesday, Aug. 30 - Friday, Oct. 21; Sunday, Oct. 30 - Tuesday, Nov. 22; Sunday, Nov. 27 - Tuesday, Dec. 13):

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

Schedule during final examination period (Wednesday, Dec. 14 - Wednesday, Dec. 21):

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

Schedule when classes are not in session (Saturday, Oct. 22 - Saturday, Oct. 29; Wednesday, Nov. 23 - Saturday, Nov. 26; Thursday, Dec. 22 - Monday, Jan. 16):

1st and 2nd floors

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

4th through the 13th floors

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

Memorial Library Tower only will be open:

Dec. 23, 27	8 a.m. - 10 p.m.
Dec. 31	8 a.m. - 5 p.m.

Memorial Library building will be closed:

Nov. 24 (Thanksgiving Day)
Dec. 24 - 26 (Christmas Holidays)
Jan. 1 - 2 (New Year Holidays)

faculty notes

Honors

Joan Aldous, Kenan professor of sociology and anthropology, was selected for the National Council on Family Relations (NCFR) which is drafting a short response to President Carter's proposed welfare reform program.

Joseph C. Hogan, dean of the College of Engineering, has been elected secretary of the Engineers' Council for Professional Development (ECPD) effective Oct. 1.

Madonna Kolbenschlager, H.M., assistant professor of American studies, has been elected vice-president of the Michiana chapter of Sigma Delta Chi, Society of Professional Journalists, for 1977-78.

Norlin G. Rueschhoff, associate professor of accountancy, has been elected Michiana Chapter Secretary for the National Association of Accountants, effective fall, 1977.

John Santos, professor of psychology, has been invited to serve on a special advisory group for research on minority elderly by the National Institute on Aging of the Department of Health, Education and Welfare.

Yu-ming Shaw, assistant professor of history, has been elected member of the National Advisory Council of the Asian American Assembly for Policy Research (New York) for a two-year term, 1977-78. In June, 1977 he was re-elected as Deputy Director (in charge of overseas affairs) and member of the Board of Directors of Jen yü she-hui (man and society; a journal in humanities and social sciences) for a two-year term, 1977-79.

Activities

Toeman Ariman, associate professor of aerospace and mechanical engineering, presented a paper entitled "Mechanical Response of FFTF References and P1 Cladding Tubes under Transient Heating," at the 4th International Conference on Structural Mechanics in Reactor Technology, San Francisco, Aug. 16-21. He also chaired sessions entitled "Free and Forced Vibrations" and "Seismic Response of Nuclear Power Plant Structures." Professor Ariman presented another paper entitled "A Review of the Earthquake Response and Aseismic Design of Underground Piping Systems," at the American Society of Chemical Engineers (ASCE) First Specialty Conference on Lifeline Earthquake Engineering held in Los Angeles, Aug. 29-Sept. 2.

Willis E. Bartlett, associate professor of psychology, participated in the Board of Directors meeting of the American Personnel and Guidance Association (APGA) in Washington, D.C., July 7-9. He presented a paper "Occupational Status Attainment: A Developmental Path Analysis Model for Men and Women" at the International Council of Psychologists Meeting in San Francisco on Aug. 25. Professor Bartlett also participated in the meeting of consulting editors for the Journal of Counseling Psychology held during the American Psychological Association convention in San Francisco on Aug. 29.

Wendy Carlton, assistant professor of sociology and anthropology, was a panelist on the theme "Is there an emerging women's perspective in sociology?" at the American Sociological Association meetings in Chicago, Sept. 6.

Michael J. Francis, professor of government and international studies, presented a paper entitled "Fitting Dependency In" to the annual convention of the American Political Science Association in Washington, D.C. on Sept. 4.

David Clark Isele, assistant professor of music, has composed the piece "Cognitions" which was played for the European premier by Robert Anderson, chairman of the Organ Department of Southern Methodist University, on July 17. The performance was part of the 12th annual concert series at Cathedrale Saint-Pierre, Geneva, Switzerland.

James M. Johnson, assistant professor of finance, was chairman of a conference entitled "Raising Growth Capital--A Seminar on Non-Bank Financing," on May 20 in Kalamazoo, Mich., sponsored by the Business Research and Service Institute, Western Michigan University. Professor Johnson presented a paper entitled "Finance and the Retail Store" to the Haggar-NAMBAC Conference held at the Center for Continuing Education, Notre Dame, on May 24.

Mitchell Jolles, assistant professor of aerospace and mechanical engineering, presented a paper entitled "Geometric Influences upon Stress Intensity Distributions along Reactor Vessel Nozzle Cracks," at the 4th International Conference on Structural Mechanics in Reactor Technology held in San Francisco, Aug. 15-19.

Madonna Kolbenschlag, H.M., assistant professor of American studies, presented a paper on "The Syntax of Argument in the Daily News" for a session on "Philosophical Implications of the Media" at the annual convention of the Association for Education in Journalism, University of Wisconsin at Madison, Aug. 23.

John R. Lloyd, associate professor of aerospace and mechanical engineering, presented a seminar on Aug. 9, at the University of Colorado entitled "Fire and Smoke Spread in Enclosures and Corridors." He also chaired a session entitled "Heat Transfer in Fires." at the 17th National Heat Transfer Conference held in Salt Lake City, Ut., Aug. 14-17.

Robert Nelson, assistant professor of aerospace and mechanical engineering, presented a paper entitled "The Effects of Atmospheric Wind Gradients on the Motion of V/STOL Aircraft Near the Ground," at the 8th Annual Symposium of the Society of Flight Test Engineers, in Washington, D.C., Aug. 8-12.

Walter Nicgorski, associate professor in the general program of liberal studies, commented on three papers on the panel considering "Alternatives to Classical and Christian Virtue in the Philosophical Sources of the American Policy" at the annual meeting of the American Political Science Association, Washington, D.C., Sept. 3.

Thomas Patrick, assistant professor of finance, presented a paper entitled "Mature Creditorship and the U.S. Balance of Payments" at a session on International Finance at the Western Economic Association annual meetings held in Anaheim, Calif., June 20-23. He was also a discussant in a session on International Trade.

James W. Pattillo, Peat, Marwick, Mitchell professor of accountancy, spoke on "Zero-Base Budgeting" at the annual meeting of the National Association of Accountants in Chicago, June, 1977.

Yu-ming Shaw, assistant professor of history, was chairman/moderator for two sessions, "Military Policy and Strategy" and "Foreign Policy," at the Sixth Sino-American Conference on Mainland China, held at the Center for Strategic and International Studies of Georgetown University, Washington, D.C., June 15-17. He was also co-chairman of the conference on "China: The Religious Dimension," sponsored by the National Council of Churches and the Center for Pastoral and Social Ministry of the University of Notre Dame and held at Notre Dame from June 29-July 2. In this conference he delivered a paper: "The Reaction of Chinese Intellectuals Toward Religion and Christianity in the Twentieth Century."

Brian Smyth, professor of mathematics, gave an invited talk at the University of Warwick, England, on July 15, entitled "Periodic Minimal Surfaces."

Wilhelm Stoll, professor of mathematics, gave an invited talk entitled "A Casorati-Weierstrass Theorem for Schubert Zeroes" at the meeting of the American Mathematical Society, Aug. 14-18, at the University of Washington, Seattle, Wash.

Eugene Ulrich, assistant professor of theology, conducted a one-week workshop for retreat directors entitled "Biblical Theology for Retreat Ministry" as one section of the Retreats International In-Service Training Program at Notre Dame, July 11-15. On Aug. 5-6 he presented talks on "The Composition of the Bible and Its Theological Ramifications" and "Preaching from the Scriptural Texts" at the Annual Meeting of the National Diaconate Conference held at Notre Dame.

Arvind Varma, associate professor of chemical engineering, was an invited participant at the 1977 ASEE Summer School for Chemical Engineering Faculty in Snowmass--at Aspen, Colo., July 31-Aug. 6. He also presented a paper entitled "Reactor Design for Complex Reactions: A Case Study" at the First International Conference on Mathematical Modeling in St. Louis, Mo., Aug. 28-30.

Office of Advanced Studies

Special Notice

Due date for proposals in Office of Advanced Studies (OAS), Division of Research and Sponsored Programs (DRSP)

Just a reminder to principal investigators on due date requirements for proposals. Proposals are due in OAS, DRSP at least seven (7) calendar days prior to the sponsor's due date or postmark date. Late proposals will be returned to principal investigators, with a note, through the offices of the appropriate deans.

Notes for Principal Investigators

Withholding of Payments for Failure to Submit Reports When Due

DHEW has introduced a new grants administration circular setting forth policy which provides that "no payment will be made by HEW under the grant as long as any report required to be submitted by the grantee is overdue." Similarly, for contracts, the policy provides for the withholding of payments if reporting requirements are not met.

Grants and contracts will not be suspended under these procedures, but funds will be withheld for reporting delinquencies.

Principal investigators on grants and contracts should become familiar with reporting requirements for both interim and final technical reports, narrative reports, invention reports, etc. and submit them to meet due date requirements.

A copy of each report should be filed with the Office of Advanced Studies--Division of Research and Sponsored Programs upon its submission.

National Science Foundation Requests for Grant Extensions

In the past, attention has been drawn to the problem of late or incomplete requests for no cost extensions of time on awards. Business offices have been cautioned to assure that no NSF funds are committed or expended after the expiration date of an award. Requests for extensions that are not received with sufficient lead time prior to the application date of the award are being disapproved, except in a few cases involving unusual extenuating circumstances. Accordingly, if NSF grantees have projects whose performance has been delayed, they should request an extension in sufficient time to allow for NSF receipt at least 30 days prior to the expiration date. The request must be signed by the principal investigator and the authorized grantee institution official. Requests should include a summary of progress, funds remaining, reasons for the proposed extension, and plans for completing the project. In addition, the new NSF Grant Policy Manual, effective Oct. 1, 1977, will increase the required lead time to 45 days.

Information Circulars

Lyndon B. Johnson School of Public Affairs, The University of Texas at Austin

No. FY78-27

THE SCHOOL

The LBJ School of Public Affairs was established in 1970 to provide graduate training in public service. The two-year program, leading to a Master of Public Affairs degree, is designed to prepare students for service in the public sector through the development of effective skills in policy analysis and implementation.

The program is distinguished by these three features:

- * it is broadly interdisciplinary, drawing upon most fields of study pursued in a university setting--the physical, social, and life sciences, the arts, and the professions;

- * its central focus is interdisciplinary research on concrete policy problems, selected in response to a strong user interest on the part of the agency involved;
- * it provides for continuous interaction between the students and faculty of the School and administrators, legislators, and other actors in the policy process.

Guided by current policy trends, faculty expertise, and student interest, the School's research and study activities have centered around five general policy areas: Health and Environment, Energy and Natural Resources, Regulation and Administration, International Affairs, and Social Policies Planning.

ACADEMIC PROGRAM

The First Year

Core Courses. In the first year, emphasis is placed upon developing basic analytic skills and understanding of the policy process through a series of required courses.

1. Research and Management Skills (two semesters).
2. Policy Process (two semesters).
3. Political Economy (two semesters).
4. Policy Research Project (two semesters).

Internships

Students are required to serve an internship during the summer between their first and second years. Internships which require the performance of responsible and challenging tasks are arranged for every student and provide him or her with a full-time, paid work experience in a public policy setting.

Placements are made throughout the United States at all levels of government--the Congress, federal agencies, state executive offices and legislative committees, regional councils of government, and municipal agencies and offices. In addition, in the past two years several international and private internships have been arranged.

The Second Year

Students have a relatively unconstrained choice among the several Topical Seminars and are given considerable flexibility in choosing one or two areas of independent study.

1. Topical Seminar (two semesters).
2. Independent Policy Project (one or two semesters).
3. Policy Research Project (two semesters).

CAREER OPPORTUNITIES AND PLACEMENT

Graduates are employed in a wide range of policy-related positions in governmental units, in private consulting firms, and in corporations such as oil and utilities companies which are subject to governmental regulations.

JOINT DEGREES AND MID-CAREER PROGRAMS

A four-year joint degrees program in Law and Public Affairs is available to qualified students. This approach combines the 3-year Law School program with the 2-year Public Affairs program to allow students to earn a Doctor of Jurisprudence degree and a Master of Public Affairs degree simultaneously.

An alternative to the regular 2-year Master of Public Affairs program is available to mid-career students, involving one year in residence at the School and one year of on-the-job research. The curriculum is adjusted to meet each student's needs.

COSTS AND FINANCIAL AID

Cost vary with marital status, standards of expectations, residency requirements, and other factors, so only general cost guidelines can be given. Taking all these factors into account the average cost per school year is about \$3,500. Grant and loan funds are generally available to help finance such costs under the several federal and state programs, if the student can meet their eligibility criteria. In addition, the LBJ School has fellowship funds to pay student stipends, which are awarded on the basis of merit and need.

For additional information, write the Office of Admissions, Counseling, Internship and Placement, LBJ School of Public Affairs, Austin, Texas 78712.

Technicon Instruments Corporation Program of Grants for Research in Biomedical and Industrial Instrumentation 1977-1978

No. FY78-28

PURPOSE

To identify and support significant academic research on novel concepts or technologies in biomedical and industrial instrumentation, with a view toward possible commercial application of the results of such research.

AWARDS

Meritorious proposals will be considered for grants covering direct and indirect costs, to a maximum of \$100,000 for each grant, for one-year period. In most cases grantees will be eligible for renewal of their grants for a second year. In exceptional circumstances, support for a third year may be considered.

SCOPE

Both basic and applied research proposals will be considered. A proposal may involve a new concept or support for development of a process or device. Each submission will be judged for its scientific merit and novelty, as well as for its potential for practical utilization beyond the research laboratory.

ELIGIBILITY

Open to faculty members and scientists from colleges, universities, medical centers, and nonprofit research institutes in North American, Western European, and Mediterranean countries.

WHERE TO SUBMIT

Communications should be addressed to:

Technicon Research Grant Program
c/o Dr. Morris H. Shamos
Technicon Instruments Corporation
511 Benedict Avenue
Tarrytown, New York 10591

WHAT TO SUBMIT

Preliminary Submissions

An application, available from the Office of Advanced Studies, Division of Research and Sponsored Programs, should be used for a preliminary submission.

Research Proposals

Instructions will be sent for a full proposal if funding your research program is deemed possible.

WHEN TO SUBMIT

Preliminary submissions are welcome at any time. In most cases, Technicon will be able to respond to the preliminary submission within ten days of its receipt. The investigator should allow enough time after the preliminary submission to prepare the full proposal so as to submit it by the firm deadline of December 16, 1977.

For further information, contact the following:

Dr. Morris H. Shamos
Technicon Instruments Corporation
511 Benedict Avenue
Tarrytown, New York 10591
or telephone (914)631-8000, Ext. 2195

The following examples are merely illustrative, and do not represent the limits of suitable proposals:

In the biomedical and diagnostic area:

- * New and improved diagnostic procedures that are of broad utility and adaptable to automation for the determination of the chemical constituents of body fluids (e.g., blood and urine), for measurement of enzyme activities, for the differentiation of cells and viruses, and for other common and important medical laboratory tests.
- * New methods of imaging or diagnosing internal organs via non-invasive techniques.
- * The measurement of flow in individual blood vessels, of cardiac function, or other physical parameters of significant diagnostic importance.
- * Development of new analytical detectors and new approaches to analytical techniques of ultra-high sensitivity, e.g., immunochemistry.

- * Instruments for the detection and diagnosis of dental pathology.

In the industrial area:

- * Automated instrumentation and methods for the analysis and characterization of a wide variety of materials, including agricultural products, drug preparations, minerals, and other industrial products.
- * Instrumentation for industrial purpose control and for pollution analysis and control.
- * Novel procedures for the analysis and inspection of food products, including the detection of contaminants and decomposition.
- * Instrumentation for veterinary medicine.

Proposals for research on computer software are unlikely to be accepted.

The East-West Center Fellow Awards Research and Professional Intern Awards Professional Associate Awards Visiting Research Associate Awards

No. FY78-29

FELLOW AWARDS

The East-West Center invites distinguished professionals to come to the Center as Fellows to join in projects of education, research and training within the Center's five problem-oriented Institutes and Open Grants. (Institutes include: East-West Communication Institute; East-West Culture Learning Institute; East-West Environment and Policy Institute; East-West Population Institute; and East-West Resource Systems Institute). The Center is an international and interdisciplinary academic community in which Fellows undertake research, discussion and consultation with other Fellows, professional participants, and graduate students. Other activities include participation in seminars, training activities, and program development and planning.

The award stipend is generally equivalent to the salary received from regular employment at the time the award is made, or to the salary level of persons at the equivalent faculty rank in Hawaii. Special consideration is given to those who wish to devote sabbatical leave time to participate in the Center's projects. The Center pays the cost of round-trip economy air travel; no travel costs are paid for dependents.

RESEARCH AND PROFESSIONAL INTERN AWARDS

In keeping with the Center's continuing interest in providing opportunities for individuals to develop research and managerial capabilities in a non-degree program, and in improving cooperation between the Center's problem-oriented Institutes and international, Asian, Pacific and United States agencies, research and development institutions and universities, research intern and professional intern awards have been established by the Center. Interns may or may

not have doctorate or master's degree, but all should have research and/or professional interests and experience and one of the project areas of an East-West Center Institute.

Internships are designed to provide: 1. supervised practical experience in a problem-focused team research project in one of the Center's Institutes; 2. opportunity to develop proficiency in specific interdisciplinary research procedures; 3. opportunity to develop managerial experience in educational research or development activities; and/or 4. opportunity to participate on international research and managerial teams.

PROFESSIONAL ASSOCIATE AWARDS

In keeping with the East-West Center's continuing interest in providing opportunities for individuals to develop professionally and in improving cooperation between the Center's problem-oriented Institutes and international, Asian, Pacific, and United States agencies, research and development institutions, and universities, a professional associate award has been established at the Center. Award recipients may or may not have graduate degrees, but all must have professional interests, background, or employment status in one of the project areas of an East-West Center Institute and demonstrate an interest in intercultural communication.

The professional activities of the East-West Center are cooperatively designed with organizations and institutions in Asia, the Pacific and the United States to contribute to the development of mid- and upper-echelon professionals engaged in various activities in their respective countries. Participants in various fields of endeavor work with each other across national and cultural lines to contribute to and benefit from exchange of ideas and experiences of mutual concern. Center activities for which participants are invited include conferences, workshops, seminars, and product development groups for public policy or education aids and materials.

The award may be from one week to one year in duration, depending upon the particular activity for which the professional participant is invited. Approximately a thousand new awards are offered each year. Applicant should be a citizen or legal permanent resident of any Asian or Pacific country, or the United States, but usually need not be resident in the home country at the time of application. Non-American award recipients must meet all exchange visitor (J-1) visa regulations.

- * round trip economy air travel via the most direct route to Hawaii
- * stipend of \$13 per day or \$380 per month for food and incidental expenses
- * housing in an East-West Center residence hall or a housing allowance of \$200 per month if approved for off-campus housing
- * health and accident insurance
- * approved project relevant materials

VISITING RESEARCH ASSOCIATE AWARDS

In keeping with the East-West Center's continuing interest in improving cooperation between its problem-oriented Institutes and Asian, Pacific and United States universities, government agencies, and research organizations, the Center has developed the Visiting Research Associate Award. All Visiting Research Associates participate in East-West Center projects and accept responsibilities on the same scholarly standing as Center academic staff.

The purposes of the Visiting Research Associate Award are: (1) to increase flexibility, quality, and international character of the cooperative Institute programs; (2) to involve more Asian and Pacific Island scholars in Center Institutes in visiting staff member roles, i.e., teaching in professional study and training projects, working with student seminars and activities, and doing research in Institute projects; and (3) to build institutional relations by providing for staff involvement from cooperating institutions.

The Visiting Research Associate Award has a length of two to three years and recipients are expected to spend full-time at the Center except for any short fieldwork requirements of Center projects. Approximately ten new awards are offered each year. Applicant should be a citizen or legal permanent resident of any Asian or Pacific country, or the United States, but need not be resident in the home country at time of nomination. Non-American award recipients must meet all exchange visitor (J-1) visa regulations.

- * Stipends: Recipients will receive a stipend comparable to salaries and, where appropriate, conditions of employment of Center staff with the same rank and experience.
- * Travel: The Center pays the cost of round-trip economy air travel for the award recipient via the most direct route to Honolulu, or the cost of other selected transportation, whichever is less. No travel costs are paid for dependents.

For further information about any of the above programs, contact the following:

Awards Coordinator
Academic Program Services
East-West Center
1777 East West Road
Honolulu, Hawaii 96848

NACUBO/EXXON 1977 Administrative Leave Program

No. FY78-30

NACUBO is sponsoring for the third year the Professional Growth Leave for Administrators Program. Funding is being provided by the EXXON Education Foundation.

Any individual who is professionally involved in administration may submit a proposal for consideration. The employing institution is expected to contribute the individual's salary and to make provisions for his or her leave of absence. Eligibility is restricted to those administrators who are not classified as "facul-

ty" and thus would not be eligible for an academic sabbatical leave. The program is not restricted to the "business management" function within the administration or to administrators at NACUBO member institutions.

Deadline

Deadline for submission of proposals is October 31, 1977. Winners will be notified by December 1, and the leave must be taken and completed prior to June 30, 1979. At that time each award recipient will be required to submit a written report on what has been accomplished by the leave.

For complete details on the program and an application form, write to the following:

Ms. Kadi Sing
NACUBO
One Dupont Circle, Suite 510
Washington, D.C. 20036

National Science Foundation Facilities Becoming Available for Sub-Micron Structures Research

No. FY78-31

With the establishment of the National Research and Resource Facility for Sub-Micron Structures at Cornell University, qualified researchers are encouraged to make plans for its use. Funded by NSF, this is the first national facility for research on electronic devices with dimensions of less than one micron and for studying the fundamental properties of the materials used in their fabrication. Dr. Joseph Ballantyne, professor of electrical engineering at Cornell, is directing the initial planning for the facility. For further information, contact Eugene Chenette, Electrical Sciences and Analysis Section, (202)632-5881.

National Science Foundation Engineering Research Initiation Program

No. FY78-32

NSF is seeking proposals for its Engineering Research Initiation program designed to encourage the development of research programs by engineering faculty who have had no previous substantial research support. The program is for full-time engineering teaching faculty of U.S. undergraduate and graduate institutions that award degrees in engineering. Application deadline is Nov. 15, 1977: awards will be announced about April 15, 1978. For further information, contact the Office of Research and Sponsored Programs, Extension 7378.

General Services Administration Art-in-Architecture Program

No. FY78-33

The U.S. General Services Administration is placing greater emphasis than ever before on public art, especially through its art-in-architecture program. A portion of their construction funds is set aside for use in public art to enhance the design of new Federal buildings. In the last 15 years, the General Services Administration has endowed more than \$4 million in 130 works of art installed or planned.

In 1855, when Congress decided to decorate the interior of the Capitol with artwork, it commissioned Constantino Brumidi to paint frescoes for the House of Representatives committee rooms for \$8.00 a day. During the Depression era, the New Deal art programs commissioned paintings and sculpture for the embellishment of newly constructed Federal buildings, post offices, and courthouses nationwide producing the first body of truly public American art. The U.S. General Services Administration's Art-in-Architecture Program continues this long-standing tradition of government support for the arts.

For an approved project, the project architect is aware that three-eighths of one percent of the estimated construction cost is the current amount set aside specifically for fine arts and develops an art-in-architecture proposal as part of his overall architectural design services. The art-in-architecture proposal must include the location and nature of the artwork(s) to be commissioned.

Shortly after the award of the construction contract, GSA requests the National Endowment for the Arts (NEA) to appoint a panel of qualified art professionals, primarily from the region of the project, to meet with the project architect for the purpose of nominating 3 to 5 artists for each proposed artwork.

The panel meets at the project site and reviews visual materials of artists proposed by the NEA-appointed panelists, the architect, and GSA. Artists wishing to receive GSA consideration are requested to send resumes and 35mm slides of their work to GSA at the following address:

Arts-in-Architecture Program
General Services Administration
18th & F Sts., N.W.
Washington, DC 20405

The artist nominations are transmitted to GSA by the National Endowment. GSA's Art-in-Architecture Design Review Panel reviews the nominations and makes recommendations to the Administrator for his selection. After the artist has been selected, a fixed-price contract is negotiated for the design, fabrication and installation of the artwork. The artist's proposal is reviewed and approved by both GSA's Art-in-Architecture Design Review Panel and the project architect.

For further information, contact the Office of Research and Sponsored Programs, Extension 7378.

The project architect, aware that three-eighths of one percent of the estimated construction cost is the current amount set aside specifically for fine arts, develops an art-in-architecture proposal as part of his overall architectural design services. The art-in-architecture proposal must include the location and nature of the artwork(s) to be commissioned.

National Institute on Aging (NIA) Special Research Award Program

No. FY78-34

The Special Research Award program of the National Institute on Aging (NIA) is designed to encourage newly trained investigators to become active in aging research during the formative stages of their careers. To accomplish this goal, NIA will make available funds from its research grants program to provide support for meritorious basic or clinical research projects directed toward understanding the underlying causes of the aging process.

The program supports meritorious research within the total area of the Institute's mandate: "biomedical, social and behavioral research related to the aging process and the diseases and other special problems and needs of the aged." Thus, research can be supported over a broad range, from fundamental studies of the biology of the processes involved in aging, the medical aspects of health and aging, and relevant social and behavioral phenomena, to investigations that broaden and the base of knowledge underlying adequate health services for the aging and aged. The Institute has special interest in the middle years of life, the transition between young adulthood and old age.

Specific research areas include cell biology, immunology, nutrition, metabolism, epidemiology, and demography of disease in the aging and the aged, special medical problems of the sturdy and frail elderly, organic brain disease, deleterious and beneficial effects of various degrees and types of exercise, special pharmacological problems of the aging and elderly, and menopausal and postmenopausal problems. Further, the Institute's interests extend to research on a variety of psychological processes including changes in cognitive and perceptual function, the psychological problems of retirement, widowhood, bereavement, isolation and loneliness. Investigations are encouraged on the economic problems of the elderly, the effects of family style patterns on the aged, the roots of effects of age prejudice, and the consequences for older persons of governmental policies on housing, transportation and health care.

The Special Research Award grant will provide support for a period of up to three years in an amount not to exceed \$90,000 direct costs, of which no more than \$35,000 may be requested for any 12-month period.

These grants are not renewable and certain limitations are placed on items which can be supported, as in the previous version of the program.

Applications should be submitted on the regular research grant NIH Form 398. The application and the folder in which it is submitted should be clearly labeled Special Research Award Program, NIA.

The next due date for applications is November 1, 1977. Subsequent receipt dates are March 1 and July 1.

Additional information is available in the Office of Advanced Studies, Division of Research and Sponsored Programs.

National Institute on Aging (NIA) Studies on Nutrition in Relation to Health of the Aged and Aging

No. FY78-35

The National Institute on Aging is seeking proposals on the influence of nutritional excesses and deficiencies on processes of aging. Subject areas that are earmarked to receive support are:

- (1) Nutritional status and requirements of the aged, particularly the influence of therapeutic modalities on nutritional status;
- (2) The effect of social, psychological, and economic factors on dietary intake;
- (3) The effects of dietary modification on health, longevity, pathologic processes and psychologic responses, particularly immune and endocrine response;
- (4) Nutrition and cellular structure and function as a function of age; and
- (5) Identification and characterization of specific models for nutrition and aging research.

Investigators should avail themselves of the standard NIH research project application mechanism using grant application form NIH-398. Customary NIH study section and council review processes pertain. Receipt dates for applications are July 1, November 1 and March 1.

Lilly Endowment Faculty Open Fellowships Lilly Endowment, Inc.

No. FY78-36

Applications for the Lilly Endowment Faculty Open Fellowships are now available from the Office of Advanced Studies, Division of Research and Sponsored Programs. (See Notre Dame Report 1, September 16, 1977 for further details.)

To be eligible, a candidate must have been a member of the faculty at his or her institution for a minimum of five years. Both the Fellow and the institution must plan for his or her return after the award. The candidate must be engaged in classroom teaching for at least 50% of his or her time. There are no restrictions of race, creed or sex. If a candidate is entitled to a semester or year's sabbatical pay from his or her institution, this must be declared in the application and reflected in the application budget.

Fulbright-Hays Opportunities Abroad Council for International Exchange of Scholars

No. FY78-37

Applications for Fulbright-Hays awards for university teaching and advanced research abroad generally must be submitted by June 1 (Australia, New Zealand and American Republics) or July 1 (Africa, Asia and Europe), 12-18 months in advance of the grant period. Changes in country programs create new openings from time to time and other positions are available for various reasons. The Council for International Exchange of Scholars will accept applications from eligible U.S. scholars for the following awards until an adequate panel of nominees is secured. Unless otherwise stated, all openings listed are for university teaching. Applications should be submitted as soon as possible. Only one application may be submitted but alternate country interests may be listed.

Inquiries and requests for application forms may be directed to the Program Officer (indicated by initials) for the country of greatest interest. Program Officers: WB-William Bate 202 833-4984; AC-Anne Carpenter 202 833-4955; AD-Alla Dombrovsky 202 833-4956; LZG-Lydia Z. Gomes 202 833-4980; MH-Marguerite Hulbert 202 833-4981; GBL-Georgene B. Lovecky 202 833-4987; DJR-Donald J. Raleigh 202 833-4990; LR-Linda Rhoad 202 833-4977; GS-Gladys Semeryan 202 833-4983.

BASIC ELIGIBILITY REQUIREMENTS:

- * U.S. citizenship
- * For lecturing -- college or university teaching experience at the level of the award sought
- * For research --- a doctoral degree at the time of application or, in some fields, recognized professional standing as demonstrated by faculty rank, publications, compositions, exhibition record, etc.
- * For some awards, foreign language fluency

Research, Area Studies, Travel Only: China (MH); Romania (GBL); Yugoslavia (GBL).

American History, Literature and Studies: Bulgaria (GBL); Cameroon (LR); France (GS); Gabon (LR); Germany (WB); India (LZG); Iran (LZG); Niger (LR); Pakistan (LZG); Poland (GBL); Portugal (GS); Romania (GBL); Singapore (MH); Spain (GS); Turkey (LZG); U.S.S.R. (DJR); Yugoslavia (GBL).

Anthropology and Sociology: Iran (LZG); Uruguay (AD); U.S.S.R. (DJR).

Biology and Agriculture: Rwanda (LR); U.S.S.R. (DJR).

Business and Management: Algeria (LR); Chad (LR); Iran (LZG); Ivory Coast (LR); Kenya (LR); Lesotho (LR); Poland (GBL); Thailand (MH); Turkey (LZG); U.S.S.R. (DJR); Yugoslavia (GBL); Zambia (LR).

Chemistry: Trinidad-Tobago (AD); U.S.S.R. (DJR); Yugoslavia (GBL); Brazil (AC); India (LZG); Japan (MH); Singapore (MH).

Economics: Afghanistan (LZG); Central African Empire (LR); Chad (LR); India (LZG); Nicaragua (AD); Nigeria (LR); Pakistan (LZG); Poland (GBL); Romania (GBL); Senegal (LR); U.S.S.R. (DJR); Zaire (LR); Zambia (LR).

Education: Nigeria (LR).

Engineering: Argentina (AD); Burma (MB); Nigeria (LR); Sudan (LR); Turkey (LZG); U.S.S.R. (DJR); Yugoslavia (GBL).

Geography and Geology: Ivory Coast (LR); Pakistan (LZG); U.S.S.R. (DJR).

Library Science: Argentina (AD); Ecuador (AD).

Linguistics and English as a Foreign Language: Cameroon (LR); Fiji (MH); France (GS); Gabon (LR); Greece (LZG); Indonesia (MH); Jordan (West Bank) (LR); Nigeria (LR); Pakistan (LZG); Poland (GBL); Romania (GBL); Sri Lanka (LZG); U.S.S.R. (DJR).

Mathematics: Nigeria (LR); Thailand (MR); U.S.S.R. (DJR).

Medical Sciences and Services: Iceland (WB); U.S.S.R. (DJR); Yugoslavia (GBL).

Political Science, Public Administration and Law: Algeria (LR); Ivory Coast (LR); China (MH); France (GS); Iran (LZG).

Psychology: U.S.S.R. (DJR).

Urban Studies and Planning: France (GS).

INDO-AMERICAN FELLOWSHIPS

For the third year CIES is conducting, on behalf of the Indo-U.S. Subcommittee on Education and Culture, a competition for awards under the Indo-American Fellowship Program for advanced research and professional development. Up to ten fellowships (6-10 months) and up to nine short-term visitorships (1-3 months) have been announced. There is no restriction as to field, but the Subcommittee especially welcomes applications from nonacademic professionals in the creative arts, architecture, law, medicine and social work. Also particularly welcome are applications from scientists and applications which would promote collaboration with Indian colleagues. Preference may be given to those with limited or no prior experience in India.

DEADLINES - YOUNGER SCHOLARS AND TRAVEL ONLY

Younger scholars in American history, literature and studies may apply for 1978-79 awards in France, Germany, Portugal and Spain until November 1, 1977. There are also some awards in Africa, Asia and Eastern Europe for which CIES is still accepting applications.

Travel only awards are available in four European countries for scholars who have arranged stipends from local institutions or who have maintenance support from other sources: France, Germany, Italy, Yugoslavia. Applications for travel grants to these countries are normally accepted until February 1 if funds remain available.

National Safety Council Howard Pyle Safety Research Fellowship

No. FY78-38

Type:

Fellowship for advanced study leading to a doctorate in a safety-related discipline with an emphasis on research.

Purpose:

To provide encouragement and financial support to promising graduate students so they may complete their dissertation research on a safety related topic. A further purpose is to promote increased professionalism in safety. The long range purpose is the production of a cadre of well-trained safety researchers who will provide leadership in the development and implementation of practical approaches to solving the accident problem.

Eligibility:

Persons whose dissertation proposal has been approved by their advisors. The dissertation must be in the general area of safety research, preferably in an area with potential application to the practical reduction of accident risk or injury.

Financial Data:

The Howard Pyle Fellowship includes tuition and fees (up to \$4,000.00), a stipend of \$2,500.00 and a total allowance of \$450.00 for dependent children.

Duration:

Fellowships are awarded for a single academic year. However, the Fellowship may be renewed once for a second year upon receipt of written evidence of progress satisfactory to both the university and the National Safety Council.

Administration:

The Howard Pyle Fellowship is to be administered by the graduate school of the college or university which is selected by the Howard Pyle Fellowship Award Committee of the National Safety Council. The decision of the Committee will be based on the proposals submitted by interested institutions.

Applications:

Available from:

Mr. Vincent L. Tofany
President
National Safety Council
444 North Michigan Avenue
Chicago, IL 60611

Questions relating to specific aspects of the program may be referred to Jack Green, Sr., Secretary, Howard Pyle Safety Research Fellowship Committee at the National Safety Council. (See address above. Phone: (312)527-4800, Extension 271.)

Deadline:

January 15, 1978

Governor's Fellowship Advisory Committee Indiana Public Service Fellowship Program

No. FY78-39

Purpose

The purpose of the Indiana Public Service Fellowship Program is to increase the effectiveness of State and local government by supporting advanced professional education for public employees. This program represents a joint effort with the Office of the Governor, State of Indiana, and the School of Public and Environment Affairs of Indiana University. Support for the program is made possible by a grant from the U.S. Civil Service Commission. However, the Commission is not responsible for either the program or its administration.

Type of Education Supported

Support will be restricted to full- or part-time graduate study programs in administration and/or public affairs at accredited academic institutions in Indiana.

Eligibility

To be considered, the applicant must be a full-time employee of either State or local general purpose jurisdictions in Indiana for at least one year immediately preceding the initial fellowship period, have the official endorsement of the administrative head of his jurisdiction (or his designee), and meet institutional requirements for graduate study.

Selection

Fellowships will be awarded on the advice of a committee of distinguished representatives of State and local government in Indiana. The major criteria for selection will be: evidence of the applicant's commitment to a public service career; enhancement of the applicant's potential for contributing to the effectiveness of State and local government; personal needs of the agency or jurisdiction; how the program of study will contribute to and be utilized in the applicant's career development plans; and, the applicant's qualifications for the proposed program of graduate study. Geographical and agency balance will also be considered, but not at the expense of other criteria.

Nature and Amount of Support

Seventy-five percent of actual costs for tuition, fees and books up to a maximum of \$400 per federal fiscal year. Renewal of the Fellowship is contingent upon the availability of funds, satisfactory academic progress, continued approval of the applicant's jurisdiction or agency, and recommendation of the Fellowship Advisory Committee.

Closing Dates for Application

All application materials must be received according to the following schedule: November 1 for the spring semester/winter and spring quarters, and March 1 for summer sessions.

Applications are available in the Office of Advanced Studies, Division of Research and Sponsored Programs, or write to:

Indiana Public Service Fellowship Program
Harrison Building, Suite 502
143 West Market Street
Indianapolis, Indiana 46204

Woodrow Wilson National Fellowship Foundation Women's Studies Program Research Grants for Doctoral Candidates 1977-78

No. FY78-40

Purpose:

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

Eligibility:

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

Application:

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

Awards:

Winners will receive grants of up to \$1,000 to be used for research expenses connected with the dissertation. These may include travel, books, microfilming, xeroxing, taping and computer services. The number of awards will be determined by available funds.

Deadlines:

For receipt of Applications:	November 1, 1977
For receipt of supporting documents:	Dec. 1, 1977
Notification of Awards:	January 31, 1978

For further information, contact the following:

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

The National Fellowships Fund Graduate Fellowships for Black Americans 1978-79

No. FY78-41

Background:

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:

To be considered for one of these fellowships, applicants must meet all of the following qualifications:

1. They must be citizens of the United States.
2. They must be enrolled in or planning to enter an accredited U.S. graduate school offering the doctoral degree in their field of study.

3. They must be currently engaged in or planning to enter a career in higher education.
4. Have completed the equivalent of two academic years of full-time graduate study.

Eligibility:

Eligibility is limited to (a) applicants who plan to pursue full-time study toward the doctoral degree in the Arts or Sciences or (b) 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 to the doctoral degree in preparation for a career in higher education.

Tenure:

These awards are for one year only, but they are renewable upon reapplication if the fellow maintains satisfactory progress toward the doctorate.

Twelve-month awards are available for applicants planning to study full time during the summer session 1978 and the academic year 1978-79, starting with July 1978. Ten-month awards are available for those planning to study full time during the academic year 1978-79, starting with September 1978.

Support:

Fellowship awards for 1978-79 will include the full tuition and fees required by the graduate school, an allowance of \$300 for books and supplies, and a monthly stipend of \$350 to help meet living costs. A married fellow may apply for an additional stipend of \$50 a month for his or her spouse and each dependent child, provided that dependency can be substantiated. Applicants receiving Special Dissertation-Year awards may apply for a research allowance in lieu of the book allowance.

GRE Tests:

All applicants are required to submit scores in the Graduate Record Examination Aptitude Test and one Advanced Test. These tests will be administered on October 15 and December 10, 1977, and the deadlines for registering for them are September 19 and November 9, 1977, respectively.

Arrangements for taking the tests should be made by the applicant directly with the Graduate Record Examinations, Education Testing Service, Box 955, Princeton, New Jersey 08540. Applicants should request that their scores be sent directly to "National Fellowships Fund, Code Number R5487-4."

Deadline:

The deadline for submitting completed applications and all supporting documents is January 5, 1978. College seniors are not eligible to apply.

Applicants will be notified of award decisions on March 25, 1978.

Application forms must be requested by the individual applicants. No applications will be sent to intermediaries. 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

Current Publications And Other Scholarly Works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

History

- DeSantis, Vincent P.
V.P. DeSantis. 1977. Review of George Brown Tindall, *The Ethnic Southerners*. North Carolina Historical Review 54:329-330.
- Shaw, Yu-ming
Y.M. Shaw. 1977. The achievements and failures of the Chinese Communists toward national independence and unification. Ming Pao 12(6):27-29.

Modern and Classical Languages

- Cervigni, Dino S.
D.S. Cervigni. 1977. Demonic and angelic forces in Dante's *Second Dream*. L'Alighieri 18:29-40.

Philosophy

- Evans, Joseph W.
J.W. Evans. 1977. My favorite book in educational theory: Jacques Maritain's *Education at the Crossroads*. Notre Dame Scholastic 119(1):4-6.

Psychology

- Cacioppo, John T.
J.H. Harvey, J.T. Cacioppo, and A. Yatsuna. 1977. The effect of the temporal sequence of consensus information upon self-attributions of competence. Journal of Personality 45:281-296.

Sociology and Anthropology

- Aldous, Joan
J. Aldous. 1977. Family interaction patterns. Annual Review of Sociology 3:105-135.

Theology

- Primus, Charles
C. Primus. 1977. *Aqiva's Contribution to the Mishnaic Law of Zera'im*. E.J. Brill, Leiden. xv + 210pp.

SCIENCE

Chemistry

- Funabashi, Paul K.
*W.P. Helman and P.K. Funabashi. 1977. Continuous-time-random-walk in three dimensions as a model for electron scavenging and ion recombination in liquids. Journal of Chemical Physics 66(12):5790-5797.
- Levanon, Haim
*H. Levanon and P. Neta. 1977. Electron transfer, equilibrium, and protonation in the system of cis- and trans-stilbene in 2-propanol. Chemical Physics Letters 48(2):345-349.
- Martinez-Carrion, Marino
M. Martinez-Carrion, B. Barber, and P. Pazoles. On the determination of isozyme levels in preparations

containing cytoplasmic and mitochondrial aspartate aminotransferase. Biochimica et Biophysica Acta 482:323-329.

- Schwartz, Maurice E.
M.E. Schwartz. 1977. Electron spectroscopy. Pages 357-380 in, H.F. Schaefer, ed. *Methods of Electronic Structure Theory*. Plenum Publishing Corporation.

* Under the Radiation Laboratory

Earth Sciences

- Horodyski, Robert J.
R.J. Horodyski. 1977. Environmental influences on columnar stromatolite branching patterns: Examples from the Middle Proterozoic Belt Supergroup, Glacier National Park, Montana. Journal of Paleontology 51:661-671.
- R.J. Horodyski, B. Bloeser, and S. Vonderhaar. 1977. Laminated algal mats from a coastal lagoon, Laguna Mormona, Baja California, Mexico. Journal of Sedimentary Petrology 47:680-696.

Mathematics

- Nadel, Mark E.
M.E. Nadel. 1976. A transfer principle for simple properties of theories. Proceedings of the American Mathematical Society 59(2):353-357.
- V. Lee and M.E. Nadel. 1977. Remarks on generic models. Fundamenta Mathematicae 95:73-84.
- Nagano, Tadashi
T. Nagano and B. Smyth. 1976. Minimal surfaces in tori by Weyl groups. Proceedings of the American Mathematical Society 61(1):102-104.
- Smyth, Brian
T. Nagano and B. Smyth. 1976. Minimal surfaces in tori by Weyl groups. Proceedings of the American Mathematical Society 61(1):102-104.

Physics

- Funk, Emerson G.
J.G. Fleissner, E.G. Funk, F.P. Venezia, and J.W. Mihelich. 1977. Band structure in ¹⁴⁷, ¹⁴⁹, ¹⁵¹Eu observed via (HI,xn) reactions. Physical Review C16:227-238.
- Johnson, Walter R.
W.R. Johnson and C.D. Lin. 1977. Application of the relativistic random-phase approximation to the photoionization of atoms. Journal of Physics B: Atomic and Molecular Physics 10:331-334.
- K.T. Cheng and W.R. Johnson. 1977. Comment on relativistic transition-probability calculations for the Be isoelectronic sequence. Physical Review A15:1326-1329.
- K.T. Cheng and W.R. Johnson. 1977. Excitation energies and line strengths in the Mg isoelectronic sequence. Physical Review A16:263-272.
- C.D. Lin and W.R. Johnson. 1977. Oscillator strengths for the beryllium isoelectronic sequence. Physical Review A15:1046-1052.
- C.D. Lin and W.R. Johnson. 1977. Radiative decays of the n=2 states of He-like ions. Physical Review A15:154-161.
- Mihelich, John W.
J.G. Fleissner, E.G. Funk, F.P. Venezia, and J.W. Mihelich. 1977. Band structure in ¹⁴⁷, ¹⁴⁹, ¹⁵¹Eu observed via (HI,xn) reactions. Physical Review C16:227-238.

Venezia, Frank P.
J.G. Fleissner, E.G. Funk, F.P. Venezia, and J.W. Mihelich. 1977. Band structure in ^{147, 149, 151}Eu observed via (H₁,xn) reactions. Physical Review C16:227-238.

ENGINEERING

Aerospace and Mechanical Engineering

Lloyd, John R.
A.C. Ku, M.L. Doria, and J.R. Lloyd. 1976. Numerical modeling of unsteady buoyant flows generated by fire in a corridor. Pages 1373-1384 in, 16th International Symposium on Combustion, The Combustion Institute.

BUSINESS ADMINISTRATION

Finance and Business Economics

Lanser, Howard A.
H.A. Lanser and J.J. Bernardo. 1977. A capital

budgeting decision model with subjective criteria. Journal of Financial and Quantitative Analysis 12 (2):261-275.

Management

Vecchio, Robert
R. Vecchio. 1977. An empirical examination of the validity of Fiedler's Model of Leadership Effectiveness. Organizational Behavior and Human Performance 19:180-206.

Marketing Management

Dreys, Robert A.
R.A. Dreys, R.M. Durand, and T.H. Mattheiss. 1977. Multiple discriminant analysis and several small samples to split, combine, or treat separately. Decision Sciences 8(3):567-575.

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
Commission on the White House Fellows	White House Fellows	November 1, 1977
Food and Drug Administration	Research Support	November 1, 1977
Health Resources Administration	Developmental and Demonstration Projects	November 1, 1977
Health Resources Administration	Exploratory Research Grants	November 1, 1977
Health Resources Administration	Research Project Grants	November 1, 1977
National Institute on Alcohol Abuse and Alcoholism	Research on Alcohol Abuse and Alcoholism	November 1, 1977
National Institute on Alcohol Abuse and Alcoholism	Training in Prevention and Treatment of Alcohol Abuse and Alcoholism	November 1, 1977
National Institute on Drug Abuse	Career-Teacher Training Centers	November 1, 1977
National Institute on Drug Abuse	Drug Abuse Prevention Education Projects	November 1, 1977
National Institute on Drug Abuse	Research on Narcotic Addiction and Drug Abuse	November 1, 1977
National Institutes of Health	Biomedical Publication Grants	November 1, 1977
National Institutes of Health	Biotechnology Resources	November 1, 1977
National Institutes of Health	Medical Library Resources	November 1, 1977
National Institutes of Health	Medical Library Science Research Projects	November 1, 1977
National Institutes of Health	Projects to Support Animal Resources	November 1, 1977
National Institutes of Health	Research Project Grants	November 1, 1977
National Institute of Mental Health	Mental Health Epidemiology	November 1, 1977
National Institute of Mental Health	Mental Health Program-Project Grants	November 1, 1977
National Institute of Mental Health	Mental Health Research Grants	November 1, 1977
National Institute of Mental Health	Metropolitan Problems	November 1, 1977
National Institute of Mental Health	Minority Group Mental Health Programs	November 1, 1977
National Institute of Mental Health	Prevention and Control of Rape	November 1, 1977
National Institute of Mental Health	Studies of Crime and Delinquency	November 1, 1977
National Institute for Occupational Safety and Health	Occupational Safety and Health Research and Demonstrations	November 1, 1977
National Institute for Occupational Safety and Health	Occupational Safety and Health Training	November 1, 1977
National Science Foundation	Computer Science Program Proposals	November 1, 1977
National Science Foundation	Mathematical Sciences Program Proposals	November 1, 1977
National Science Foundation	Professor E.D. Bergmann Memorial Research Grants	November 1, 1977
Office of Education	Doctoral Dissertation Research	November 1, 1977
Office of Education	Faculty Research Abroad	November 1, 1977
Office of Education	Graduate Programs in International Studies	November 1, 1977
Office of Education	Group Projects Abroad	November 1, 1977
Office of Education	Teacher Exchange Program	November 1, 1977
Office of Education	Undergraduate Programs in International Studies	November 1, 1977
Smithsonian Institution	Foreign Currency Program	November 1, 1977

documentation

Homily of Opening Mass, Academic Year 1977-78

(Following is the homily delivered by Rev. Theodore M. Hesburgh, C.S.C., President, University of Notre Dame, at the opening Mass of the school year, Sacred Heart Church, Sunday, Sept. 11, 1977.)

Each new academic year begins in a burst of hope, shared by faculty and students alike, that a new time of inner growth is at hand, awaiting all the subtle influences of the educational process. No matter how long one has been at it, there is each September a new spirit in the air, an undercurrent of excitement, a sense of high purpose renewed.

It is no different today as we offer Mass again at the beginning of our 136th year, to ask God's inspiration and blessing on our faculty and students and on this University of Notre Dame, in which the new academic year will unfold, hopefully, grace and splendor and growth through the brisk and brightly colored fall, through the quiet reflective starkness of winter, and into the glory of new life burgeoning all about us in the springtime to come.

We begin again in prayer and confidence--perhaps better said, confident because we pray.

To whom do we pray? Each one of you must speak for yourself, but I am willing to expose myself, as perhaps I should, standing here before so many colleagues whose lives, like my own, have been so intimately linked over so many years in this noble endeavor called Catholic higher education.

To whom do we pray today? It is easiest just to say that we pray to God. For a child it is easy to visualize an anthropomorphic Father, by which name God is most easily called, as indeed Jesus addressed Him in the prayer He taught us. As we grow older and are introduced to the true wonder of the Christmas Story, the splendor of God-made-man who dwelt among us, prayer comes quite congenially to address Jesus Christ, Our Lord and Savior; whose birth brought divinity visibly among us, whose life and the good news He proclaimed touches our lives at so many focal points; whose suffering, death, and resurrection, daily commemorated in the Holy Mass, given redemptive meaning to our suffering and death and the hope of ultimate resurrection to eternal life. "I am the way, the truth and the life...Who lives and believes in Me has eternal life and I will raise him up on the last day."

In my own life, as I grew older still, there came a further trinitarian progression to prayer and the God whom we so falteringly address. God is not only Father and Son, but Holy Spirit as well. The sweep of revelation from Genesis, "Let there be light" to John's "And the word became flesh and dwelt among us, full of grace and truth, and of His fullness we have all received," did not end there. Over the years, I have been increasingly seized by the intimate words of Jesus to His beloved few, the night before He died. Let me repeat a few of those words from John's account of the Last Supper:

"My little children, I will not be with you much longer.
I give you a new commandment: Love one another, just as
I have loved you, you must love one another. By this
love you have for one another, everyone will know
that you are my disciples." (XIII, 33-35)
"Do not let your hearts be troubled. Trust in God
still and trust in Me." (XIV, 1)
"Whatever you ask for in My name, I will do it..."

I shall ask the Father and He will give you another Advocate, to be with you forever, the Spirit of Truth, whom the world can never receive since it neither sees nor knows Him; but you know Him, because He is with you, He is in you. I will not leave you orphans."
(XIV, 13-18)

"I have said these words to you, while still with you; but the Advocate, the Holy-Spirit, whom the Father will send in My name, will teach you everything and remind you of all I have said to you." (XIV, 25-26)

Christmas is ever heartwarming and tender. Easter is full of joy and hope. But at Pentecost, Christianity really began in earnest. Poor, inadequate men and women, adrift and afraid and seemingly hopeless, suddenly received the fire of the Holy Spirit and went out to case the fire of the good news all across the world. Until today, when over a billion men and women call themselves Christian.

It is not my point this morning to trace the work of the Spirit over these two millenia from Pentecost until now, but to emphasize that the Christian work that brings all of us together, at this time and in this place, is indeed a pre-eminent work of the Spirit. I might also add that those of us whose whole lives are given to the work of education might best pray today to the Holy Spirit, for the gifts He gives are those we need most for the success of our work. I will only mention the two gifts for which I pray most often, for myself and for each of you.

First, wisdom. The first time that I preached on this occasion, for the 111th school year beginning in 1952, I preached on education and wisdom. I seek wisdom no less today. Throughout scripture, wisdom is imaged as light. Even Our Lord said, "I am the Light of the world" and St. John says "that (His) life was the light of men, a light that shines in the darkness, a light that darkness could not overpower." (John I, 4-5)

Our most basic task as educators in a world of darkness is to be bearers of the light of truth and wisdom. We and our students live in a world of darkness where physical and material power is mainly cherished: in the macro-world, the power of wealth; the power of military might; the power of political clout; the power of vast communication empires; the power of enormous industrial enterprises. In the micro-world, the power of the atom; DNA; the gene; the virus; the neutron; the thermo-nuclear reaction. None of these powers is evil of itself, only in its use, which often enough through human malevolence contributes to the power of darkness.

Against all of this physical power, we say to our students, I hope we do, that there is a primacy of the spiritual; that action, is both useless and dangerous without prior thought; that the greater the physical power available, the greater the need for spiritual values that must control its use. Man cannot live humanly or even survive in a world of darkness without the light of wisdom. Those of us who presume to teach young people to live and cope in such a world of wild and unruly and enticing power must, most of all, be endowed with the wisdom that orders all knowledge and power towards the good of mankind, peace, and the glory of God, too.

No one has to argue to this assembly that the University is and must increasingly be the House of Intellect. But we do humbly pray today that our intellects are not merely filled with knowledge, for knowledge without wisdom can lead to blind pride and darkness. We were recently led into a dark abyss in Vietnam by the best and brightest, who were competent and learned, but not wise.

We pray today to be wise men and women who see a wholeness and an order and a meaning to life and to humanity's total quest for light in the surrounding darkness. We pray to be modest and humble about what we know because there is so much that we do not know, so much that only faith can illumine. We also pray to be wise in time, so that one day we might enjoy, and lead others to enjoy, the light of God's vision in eternity, for without the promise of eternal life, this life can be a cruel hoax, a mad tragedy.

Wisdom makes the difference. There is a marvelous description of wisdom in the Old Testament's Book of Wisdom:

"She is a breath of the Power of God, pure emanation of the glory of the Almighty...She is a reflection of the eternal light, untarnished mirror of God's active power, image of His goodness...she makes all things new. In each generation, she passes into holy souls, she makes them friends of God and prophets, for God loves only the man who lives with wisdom."
(Wisdom VII, 25-27)

Negatively, Wisdom says, "Wretched are those who scorn wisdom and disciplines: their hope is void, their toil unavailing, their achievements unprofitable." (Wisdom III, 11)

Let us pray today that wisdom may be the fulfillment of our learning, the substance of our teaching, the light of our lives in this Seat of Wisdom, which is another name of Notre Dame, Our Lady.

The second gift of the Holy Spirit that I would like to pray for today is courage. This may seem a somewhat pedestrian request after wisdom, but I think not. Why do educators need courage, especially today? First, because there is so much counterfeit education going on today, both formally and informally, that it takes a courageous person to stand firm and breast the rising tide of pragmatism, incompetence, foolishness and valuelessness that is, all around us, passing for education.

Too many educators are afraid to say that whatever we teach students to do, it is even more important to teach them what kind of persons they should be. This means that they must be taught values as well as skills, and we must teach the values by courageously exemplifying them. It takes courage to say that there is no easy path to truth, and competence, and wisdom, and that each of these is far more important than false but easy victories, moral ambiguity or neutrality, and cunning deceit in life. Robert Hutchins in 1935 courageously told his graduates: "Believe me, you are closer to the truth now than you will ever be again. Do not let 'practical' men tell you that you should surrender your ideals because they are impractical. Do not be reconciled to dishonesty, indecency and brutality because gentlemanly ways have been discovered to be dishonest, indecent and brutal...courage, temperance, liberality, honor, justice, wisdom, reason and understanding, these are still the virtues." He added 30 years later: "The life of man, so far as it is of value at all, is at every point a struggle of wisdom against folly, of generosity against selfishness, of objectivity against prejudice, of civilization against barbarism."

In a world where so few of us can glory in freedom, it takes courage to use our freedom to promote justice, even when justice is unpopular; to reject falsehood when everyone else says that the naked emperor is well clothed; to unmask the shoddy, the superficial, and the ersatz when others are applauding it because it happens to be in vogue.

Courage is most important for educators because courage makes our inner integrity viable, and our students learn integrity best when they see us practice it courageously. Courage brings wisdom out of our inner being and makes it visible in the way we judge life's options and how faithfully we follow those paths that we judge best, even though difficult. Every good value we hold requires steadfast courage, so does every good initiative, every faithful act, every generous deed.

I spent a week at Aspen last month leading an executive seminar on the Nature of Man. After sampling the classical Chinese, Greek, Roman, Medieval, Renaissance and modern texts, after more than 20 hours of discussion, one strong conviction, an old one for me, came through to all with startling clarity--whatever one thinks of man's and woman's potential goodness, there is something more that we all desperately need to be good: the enlightenment of wisdom and the strength of courage, both born of faith and prayer.

It is in that faith and with that prayer that I call upon the Holy Spirit today, as we begin once again with hope and joy and confidence to take part together in this noble and creative work that we call education. May the Holy Spirit grant us all wisdom and courage, the light to see and the strength to do, and may He likewise illumine and strengthen our students, too.

I conclude with an English version of my favorite Pentecostal hymn, Veni Sancte Spiritus, Come Holy Spirit, ascribed to Stephen Langton, who was born in the year 1150 and died in 1228.

Holy Spirit, God of Light,
Fill us with your radiance bright;
Gentle father of the poor,
Make us, by your help, secure;
Come, your boundless grace impart,
Bring your love to ev'ry heart.
Lord of consolation, come,
Warm us when our hearts are numb;
Great consoler, come and heal,
To our souls your strength reveal;
Cool, refreshing comfort pour,
And our peace of mind restore.
Light immortal, fire divine,

With your love our hearts refine;
 Come, our inmost being fill,
 Make us all to do your will;
 Goodness you alone can give,
 Grant that in your grace we live.
 Come, our lukewarm hearts inspire,
 Mold our wills to your desire;
 In our weakness make us strong,
 And amend our every wrong;
 Guide us when we go astray,
 Wash our stain of guilt away.
 Give to ev'ry faithful soul
 Gifts of grace to make us whole;
 Help us when we come to die,
 So that we may live on high;
 Ever let your love descend,
 Give us joys that never end.

Faculty Senate Journal May 10, 1977

At 7:35 p.m. the chairman, Prof. James Danehy, called the senate to order in Room 202 of the Center for Continuing Education and opened the meeting with a prayer. The new and returning senators introduced themselves; the Journal for April 19 was approved; and Prof. Sarah Daugherty, speaking for Prof. Bobby Farrow, reported that expenditures for the month had been \$195.64, leaving \$873 (46 per cent of the budget) still in the treasury.

In his chairman's report, Danehy noted that he had received a letter (dated April 22) from Rev. Theodore Hesburgh, which stated that contrary to a motion passed by the senate on March 24, the Budget Priorities Committee did "not think it wise or advisable to publish faculty salaries detailed by mean in the four faculties, the four ranks and the colleges, schools, divisions and departments." This letter, said Danehy, might be further discussed as an item of new business. He also announced the election of Profs. Sophie Korczyk and Albert LeMay to the Student Life Council and of Profs. Paul Conway, Thomas Swartz and Danehy to the Faculty Affairs Committee of the Board of Trustees (FAC).

Prof. Irwin Press asked whether the FAC had recently met, to which Danehy replied that a meeting had been held just prior to the opening of the Campaign for Notre Dame. He added that Thomas Carney of Chicago would succeed Rosemary Park as committee chairman, and that Carney had expressed a strong desire to meet with the new members within the next month and to make the FAC a more active organization, one which would hold regular meetings and which would serve to convey the ideas of the faculty to the Board of Trustees. At its most recent session, said Danehy, the committee had discussed the tension between the faculty and the administration and had heard a report from two members of the Budget Priorities Committee, Profs. Timothy O'Meara and Herbert Sim.

There being no report from the Committee on Administration, Press announced that the senate Committee on Faculty Affairs had met to discuss two issues; that of retirement policies, concerning which further information would be collected during the summer; and that of appointments and promotions procedures for the Special Professional Faculty, which he said was currently conducting its own investigation of the subject. Later, however, Sr. Margaret Suerth stated that the report of this faculty had already been sent to the senate committee.

Prof. John Lyon asked for discussion of a letter from the provost (dated April 26) which announced that during the spring semester he had requested six faculty members to join the administration in advising him on appointments and promotions, and that next year he intended to repeat the process. Lyon added that he raised the issue primarily as a point of information, yet expressed concern that such review committees, whether elected or appointed, might infringe on the prerogatives of departmental CAPs.

Prof. Richard Lamanna inquired as to the date when the senate had authorized the provost to choose his own advisors in the appointments process. Conway replied that this had been done several years ago, adding that the original purpose of the provision was to allow for the provost's consultation with the Dean's Committee, not with a faculty committee.

In response to queries from Press, Prof. Lee Tavis, who had served on the committee, stated that it had met only once, on April 18; that it had reviewed all cases involving tenure, termination or promotion to the ranks of associate or full professor; that he could not comment on the number of cases reviewed or on the three instances of disagreement between the faculty and the administrative members; that a new group of faculty would probably serve

next year, although no one had mentioned this subject; that the committee had spent "a great deal of time" in reviewing the cases, and that on the basis of his experience at other universities, he believed the procedure at Notre Dame to be "fair and thorough."

Press, however, argued that because the faculty members had been chosen by the provost rather than by their peers, the new procedure did not satisfy the faculty's request for a review committee; that because there was no procedure for overriding the decisions of the "macro-committee," it might have too much power; and that because its members might not be competent to review cases outside their particular fields, they might make unprofessional decisions. This, he said, was why the provision passed by the senate had limited appeals to cases in which the faculty member believed that insufficient consideration had been given to his qualifications. He added that he now thought it might be "safer and better" for there to be review committees at the college level. Prof. Paul Bosco said that if anyone were denied tenure by those other than his peers, he should be told the reasons for the decision; and Prof. Murty Kanury stated that if there were to be a "macro-committee," he should prefer to be judged by his colleagues in other disciplines rather than by administrators alone.

Lyon argued that the main difficulty with the new process lay in "the probability of extreme arbitrariness." This year, he said, the committee's chief interest seemed to have been in research, a fact which might have been prejudicial to those in arts and letters; next year it might have a different bias, but in any case it could be "stacked the way the provost wants to stack it." Tavis denied that this year's committee had been biased in favor of research.

Press, seconded by Lyon, moved that the matter be referred to the Faculty Affairs Committee, and the motion was passed unanimously.

Speaking for the Student Affairs Committee, Rev. Claude Pomerleau, C.S.C., said that he had met with Mary Clare McCabe, director of Student Development, who had expressed her desire to involve "role-free adults" in residence hall activities. In response to a question from Prof. Arthur Quigley, Pomerleau explained that "hall fellows" were invited to attend various social events but did not currently live in the dormitories. He said that during the summer, his committee would formulate a proposal on this subject.

The next item of business was the election of officers. Danehy announced that the Executive Committee had received no suggestions concerning possible nominees, and that although it had asked several persons to run for office, all of them had declined for valid reasons. Thus, he said, nominations from the floor would be invited. He stressed the need for perseverance in dealing with the administration and in overcoming apathy, reminding the senators that no one could be nominated unless he or she consented to serve.

The meeting was recessed at 8:17 p.m. and reconvened at 8:27 p.m.

For chairman, Prof. Thomas Patrick nominated Conway and Lyon nominated Prof. Kenneth Goodpaster. Both candidates spoke briefly on their qualifications and their views of the senate's goals; and Conway was elected.

For vice chairman, Lamanna nominated Daugherty and Lyon nominated Prof. Michael Francis. The candidates having spoken, Daugherty was elected.

For secretary, Conway nominated Goodpaster and Press nominated Francis. Goodpaster was elected.

For treasurer, Patrick nominated Farrow and Lyon nominated Prof. Norman Haaser. Profs. Sonia Gernes, Francis and Patrick were also nominated but declined. Farrow was elected.

For chairman of the Committee on Administration, Daugherty nominated Prof. James Dougherty and Lyon nominated Francis. Prof. Rudolph Bottei nominated Haaser, who declined. Dougherty was elected.

For chairman of the Committee on Faculty Affairs, Daugherty nominated Katharina Blackstead and Prof. Edward Cronin nominated Lyon. Profs. Barth Pollak and Press were nominated but declined. Blackstead was elected.

For chairman of the Committee on Student Affairs, Goodpaster nominated Pomerleau. Prof. Brian Crumlish nominated Bosco, who declined. There being no other nominees, Pomerleau was elected by acclamation.

Conway then assumed the chair and commended his predecessor, Danehy, for his outstanding service to the senate. He also announced that he would communicate further with those who had volunteered to serve on the standing committees, stating that he hoped these groups would continue to work during the summer. He then called for suggestions from the senators and emphasized that every viewpoint would be welcome.

The meeting was adjourned at 9:19 p.m.

Those absent but not excused: Roberta Chesnut, theology; John Connaughton, law; Thomas Cullinane, aerospace and mechanical engineering; Emerson Funk, physics; V. Paul Kenney, physics; Albert LeMay, modern and classical languages; Sheridan McCabe, psychology and counseling center; James McGrath, biology; James Robinson, English; Robert Rodes, law; Kerry Thomas, chemistry, Ronald Weber, American studies.

Respectfully submitted,

Sarah B. Daugherty
Secretary

United Way Appeal

As this year's chairman, it is time to bring to your attention the need for a United Way campaign. It is important to begin thinking about it now for although the economy continues to exert pressure on our ability to give, the need for us to help continues ever stronger.

This year's campaign will concentrate on increasing the percentage of participation on our campus. We are asking everyone to give. Even 25¢ a week will help those less fortunate through United Way.

My request is simple. When you receive the pledge card, whether through the mail or from a co-worker who is helping me, record what is reasonable for you to give, regardless of the amount; sign the card; and mail it right away to Personnel through the on-campus mail.

Thank you.

Charles K. Wilber, Chairman
United Way Campaign at Notre Dame

Memo from the Dean of Administration

To The University Community:

When the office of the Dean of Administration was established, among the principal responsibilities assigned were the development and implementation of a comprehensive information system, the coordination of data collection, and the provision of up-to-date information to University policy-makers for their use in making decisions. Sufficient progress has been made to warrant this progress report to the University. Future reports will be issued as deemed necessary.

In January 1974, Leo R. Judy accepted the position of Director of the Notre Dame Information System (formerly entitled Management Information Systems) with overall responsibility for implementing the charge listed above. The development and implementation of new information systems are complex tasks, using talented personnel in many departments. Most systems require extensive computing capability and numerous systems analysts and programmers in addition to substantial commitments in time and manpower from users. The Notre Dame Information Systems (NDIS) office determined that a coordinating committee with responsibility for setting priorities and allocating manpower was required.

Accordingly, the Dean of Administration established a permanent committee which currently consists of the Dean of Administration as chairman, the Director of the NDIS and, from the Computing Center, both the Manager of Administrative Applications and the Data Base Manager. This group was named the Committee on Administrative Systems Planning and Development (CASPAD). Its role was twofold: 1) priority determination, which was imposed upon it by increasing demand and limited resources, and, 2) active planning and coordination of system development activities. CASPAD's plans are being translated into reality by the combined efforts of the Computing Center personnel, the NDIS analysts from within the office of the Dean of Administration, and representatives from user offices.

CASPAD has attempted to balance its approach between maintaining and enhancing various existing systems and also developing a coordinated database information system. The distinctive feature of the latter, the Notre Dame Information System, is that permanent information is captured only once. It is therefore reflected correctly and uniformly in all offices, and new data can be added as a student applicant progresses from matriculation through graduation to alumni status.

Existing systems provide operational data to users but they do not necessarily provide information to policy makers. CASPAD has authorized some 200 changes to current operational systems. Requests have originated from a spectrum of users across the campus. These requests have been authorized because of changes in University policy or in federal regulations, or sometimes in order to improve a given office's internal operations. In addition to these numerous requests, two large "stand along" projects have been completed.

A new acquisitions system for the library ensures both a higher degree of control and the elimination of duplication in ordering, as well as quicker, more efficient service to the faculty. A major benefit will be to provide bibliographic and holdings information on all serials currently received by the library.

A new "gift-tracking" system for the Public Relations and Development office supports the \$130 million capital gifts campaign. CASPAD authorized the use of NDIS and Computing Center Administrative Applications personnel to develop a system which provides up-to-the-minute reports for officials at Notre Dame and for the alumni clubs supporting the campaign throughout the country.

In the larger, more complex areas which involve many offices, two project teams have been created by CASPAD to develop integrated information systems. One team has been assigned the acronym, TOPPS for Total Personnel Payroll System while STATIS is the designation for the Student Affairs Total Information Systems.

The latter project team approached its tasks in several phases. Phase I refers to the admission processes of the University. In the implementation of student information systems, for example, all the various admissions offices of the University (graduate, undergraduate, law, and in the near future, MBA) are employing new systems that afford them more information and better control over their admissions procedures. At the same time, the information collected in the admissions process is being used in other areas. Phase 2 of Project STATIS is concerned with the Registrar's records. This system will encompass student registration, records, graduation, curriculum-course-class data, as well as class assignments and master schedules. As the official record-keeper for all the University's academic activities, the Registrar's office interfaces with nearly every other constituency in the institution. Therefore, its data will be used to create an integrated student information system for such offices as Student Accounts, Financial Aid, Housing, etc. This new system developed under STATIS, Phase 2, is scheduled to be tested in early 1978 and implemented in the fall of 1978.

The project TOPPS team is nearing the detail design phase of a new personnel/payroll system which will integrate these two operations and provide more accurate data for the increasingly complex, sophisticated reports currently required. The new personnel system is designed to capture all pertinent information about each employee. The capability of reviewing data on an individual basis and of estimating upcoming budget needs with accuracy will be among the many benefits of the new system. In the payroll areas the new personnel/payroll system will allow for better control over research grants and provide an automatic interface with the University's accounting system. One major improvement expected in this area will be the ability to anticipate changes in the distribution of salaries associated with research grants, with consequent early notification to the departments affected.

Future plans call for development of Notre Dame Information Systems in Research and Sponsored Programs, Physical Facilities, expansion of existing systems in the Public Relations and Development, the library, and auxiliary enterprises.

Sincerely,

Leo M. Corbaci
Dean of Administration

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

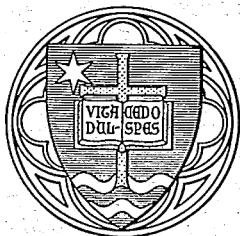
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