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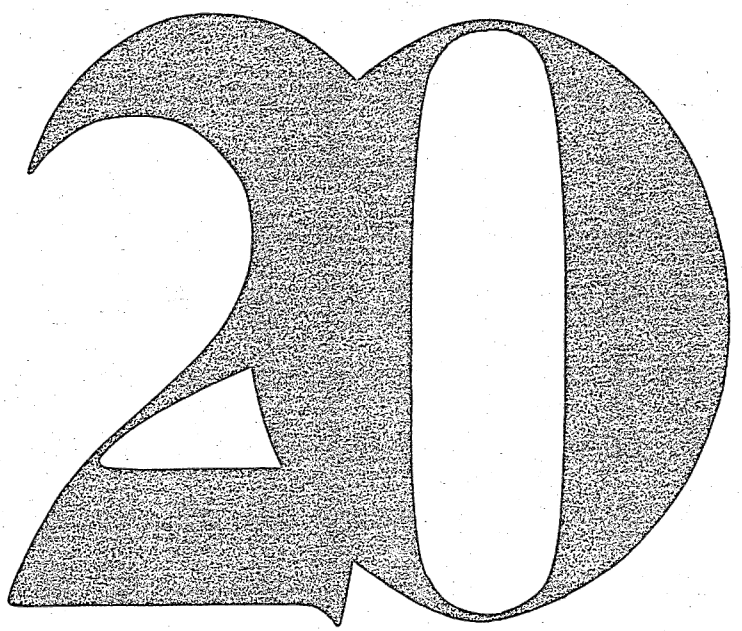
notre dame report



contents

July 28, 1972

the university

New parking regulations

The Security and Traffic Advisory Board, which issued its first report in May, 1972, adopted "the pastoral and nautral appearance of the campus" as a priority condition. This concern was supported with the recommendation that the natural appearance of the campus should be improved as well as maintained.

In keeping with these recommendations, parking spaces that border Farley Hall, Breen-Phillips Hall, St. Edward's Hall, Old Fieldhouse, and on the basketball court behind the Book Store and Gilberts will be removed in an attempt to return the general areas to lawn.

In part, these changes are also dictated by considerations of personal safety, the result of increased pedestrian and vehicular traffic. Reducing the total number of available parking spots will admittedly place a heavier burden upon existing, and already overcrowded areas. Hopefully, by more efficient use of the paved parking areas all undue problems can be foreseen and avoided.

Prize-winning Magazine

Notre Dame publications have received four awards recently from two professional organizations.

At a recent national meeting of the American Alumni Council (AAC), the University's new publication, "Notre Dame Magazine," took three awards. The magazine, edited by Timothy J. Hughes and Ronald R. Parent, was chosen as one of 25 "Publications of Distinction" in national competition and also received a citation for significant improvement. The magazine's February cover, a photograph of a newborn baby illustrating an article on "Who Shall Live and Who decides?", was cited among the year's best covers.

At an upcoming meeting of the American College Public Relations Association (ACPRA), the University's discontinued quarterly, "Insight: Notre Dame," received its second consecutive "Publication Leadership Award" for general excellence.

In February, the University merged "Insight" and the "Alumnus" into a new publication, "Notre Dame Magazine." The AAC awards were based on the first two issues of the new publication. The ACPRA competition was held too early to enter the new magazine, which is published under the direction of the Alumni Association and the Department of Information Services.

New Credit Union headquarters

The University of Notre Dame Credit Union recently moved to newly refurbished quarters in the Maintenance Building on the northeast corner of the campus.

The new offices are approximately three times larger than the old quarters and reflect the rapid growth of the University-affiliated agency, which currently has 4,000 members and assets of $4.4 million. Membership is open to all members of the Notre Dame and Saint Mary's College staffs, affiliated offices, and their families.

An open house is tentatively planned in the new quarters on Sept. 10. Parking for visitors is available in a large lot off Douglas Road.

Reinhold Niebuhr Awards

Rev. Theodore M. Hesburgh, C.S.C., president of the University of Notre Dame, and Chancellor Willy Brandt of West Germany are the first recipients of the newly established Reinhold Niebuhr Awards.

The two were announced in June along with the establishment of a fund honoring the Protestant theologian and author who died in June, 1971. Niebuhr had taught for many years at New York's Union Theological Seminary, and the fund sponsored by friends and colleagues will support annual awards to persons whose contribution in the areas of social justice, public life or world affairs exemplify his commitments.

Presentations of the awards, which carry $5,000 for each recipient, will be made later.

Alumni gifts to annual fund

The University of Notre Dame was eighth among the nation's colleges and universities in the amount of alumni gifts to its annual fund, according to the annual report on voluntary support of education prepared by the Council for Financial Aid to Education.

In 1970-71, the period covered by the report, N.D. alumni gave $2,502,381 to the annual fund, putting the University eighth among all schools and sixth among major private universities. Ranking ahead of Notre Dame were Harvard, Yale, Cornell and Princeton Universities, the University of Michigan, Wellesly College and Massachusetts Institute of Technology.

The report noted that while overall voluntary support of education was up 4.5 per cent over 1969-70 to a record high of $1.86 billion, major private universities reported a decrease of 1.8 per cent.

faculty notes

Freimann Chair

Dr. James Massey, professor of electrical engineering, has been named Frank M. Freimann Professor of Electrical Engineering, Rev. James T. Burtchaell, provost, announced recently.

The Freimann Chair, named after the late president of the Magnavox Company, is the first of seven recently established endowed professorships to be filled. Massey, an internationally known scholar in the field of information theory, was chosen from among electrical engineers in several fields recommended by top scholars from engineering institutions around the country. Dr. Joseph Hogan, dean of the College of Engineering, said that letters recommending Massey called him one of the top two or three scholars in the world in his field.

Currently on sabbatical leave at the Laboratory for Communication Theory, Royal Technical University of Denmark in Lyngby, Massey has made pioneering contributions to coding theory.

The named chairs were established formally last year with funds from Notre Dame's recent capital gifts campaign, SUMMA. At that time, Rev. Theodore M. Hesburgh, president, called the chairs a "significant way of underwriting continuing academic distinction at Notre Dame." He added, "Named professorships enable the University to honor outstanding scholarship among its own teachers and to attract scholars of the first rank to the University."

University appointments

The Office of the Provost has announced the following Reserve Officers Training Corps appointments:

Colonel Joseph L. Falvey, chairman of the Department of Air Force Aerospace Studies.

Colonel Alvin Gendron, chairman of the Department of Military Science.

Captain William McLean, chairman of the Department of Naval Science.

Rev. James T. Burtchaell, C.S.C., provost, also announced the appointment of Mr. Granville Cleveland, assistant law librarian, as chairman of the Black Student Affairs Committee for the academic year 1972-73.

John Plouff, managing director of the University's Athletic and Convocation Center, has announced the appointment of Michael J. Danch as events director.

Non-university appointments

David T. Link, professor of law, has been reappointed chairman of the American Bar Association's Committee on Law and Technology. He has also been appointed vice-chairman of the Continuing Legal Education and Research Committee of the A.B.A. section of Taxation and named Associate Editor of the "Tax Lawyer."

Paul R. Moo, professor of law, has been appointed as consultant to the Uniform Consumer Credit Code Committee of the National Conference of Commissioners on Uniform State Law. Prof. Moo has also been reappointed chairman of the Consumer Credit Committee of the Section of Corporation, Banking and Business Law of the American Bar Association.

Miscellany

Dr. Hafiz Atassi, assistant professor in the Department of Aerospace and Mechanical Engineering, presented two papers, "A Simple Theory for Aerodynamic Forces in Nearly Free-Molecule Flow" and "Numerical Solution of a Time-Dependent Rarefied Gas Flow past a Cylinder" (co-authored by A.A. Szewczyk and V. Goddard) at the International Symposium on Rarefied Gas Dynamics at Stanford University, Stanford Cal., July 10 - 14.

Dr. William E. Biles, assistant professor of aerospace and mechanical engineering, is one of 40 educators working at the NASA-Marshall Space Flight Center in Alabama under the Summer Faculty Fellowship Program. Dr. Biles is working with an interdisciplinary research group on large-scale systems information retrieval.

Dr. Wayne F. Echelberger, Jr., associate professor of civil engineering, has been invited as one of two representatives from Indiana to participate in a national "Decision Maker" workshop on Water Pollution Control from Aug. 29 - Sept. 1 in Annapolis, Maryland. The workshop is being financed by the Water Quality Office of the U.S. Environmental Protection Agency and has been endorsed by the National Governors' Conference. Its purpose is to plan and develop, with representatives from every state, a national project which will help to solve one of the major problems in water pollution control -- communication with local elected and appointed government officials.

Dr. Stephen D. Kertesz, director of the Institute for International Studies, participated in a Senior Conference on "The United States and European Security: A Reappraisal of the Future of NATO" at the United States Military Academy, West Point, N.Y. June 15-17.

Dr. Brij M. Khorana, assistant professor of physics, spent the month of June visiting and lecturing on his work on superfluid helium and fundamental constants at four institutions in Indian. Dr. Khorana spoke at Delhi University, Delhi; Punjab University, Chandigarh; National Defense Solid State Laboratory, Delhi, and the National Physical Laboratory, Delhi.

Dr. Lawrence H.N. Lee, professor in the Department of Aerospace and Mechanical Engineering, participated in the NSF-CBMS Regional Conference on the Approximation of Eigenvalues of Differential Operators, at Vanderbilt University, Nashville, Tenn. June 26-30.

Dr. E.E. Morris, assistant professor in the Department of Aerospace and Mechanical Engineering, is spending two months at the National Bureau of Standards in Washington, D.C., in accordance with the provisions of his recent National Science Foundation Initiation Grant.

Dr. Albin A. Szewczyk, on sabbatical leave since Sept., 1972 at the University of Queensland in Australia, is presenting 14 lectures throughout Australia. This includes seven lectures at the University of Queensland, three at Monash University in Melbourne, two at the University of Tasmania, one at University of Sydney, and one in Camberra. Topics include "Engineering Education at the University," "Time Dependent Viscous Flow over a Circular Cylinder," and "numerical Modeling of Tides and Storm Surges."

Dr. Francis H. Verhoff, assistant professor of chemical engineering, presented a paper entitled "A Stochastic Mechanism for Microbial Cell Growth" at the sixth Great Lakes Regional Meeting of the American Chemical Society in Houghton, Mich. June 22.

Dr. Francis A. Yeandel, assistant professor of management, spoke on "The Lordstown Syndrome and its Meaning to a Personnel Director" to the local chapter of the American Society of Personnel Administrators at a dinner meeting May 23.

office of advanced studies

Information Circulars

National Science Foundation Student Science Training Program (Pre-College) for High Ability Secondary School Students

NO. FY73-1

The National Science Foundation Student Science Training Program (Pre-College) is designed to identify and encourage academically talented students to become future leaders in meeting the Nation's needs in science and technology a decade from now. The program is aimed at conservation of talent - maintaining the great interest in science already present among a small group of highly qualified young students - rather than expanding the numbers of students choosing scientific careers. A major purpose of the program is to bring outstanding students into direct contact with college teachers and research scientists of recognized competence, and to provide these students with educational experiences in science and mathematics beyond those available in high school or early college courses. The objectives of this program may be summarized as:

1. To help identify high-ability secondary school students who have excellent potential for becoming creative scientists and to help these students identify their own interests, abilities, and limitations;
2. To help accelerate their scholarly development through providing the opportunity for instruction in special topics or for participation in research, in either case, under the immediate direction of scientists of recognized stature.
3. To provide examples of educational programs in the sciences for secondary school students as a mechanism for encouraging secondary schools to improve their own programs.

Two broad categories of projects for high-ability students will be considered:

1. Projects especially designed for students with limited educational opportunities who have demonstrated high potential, but in whose secondary schools science training is deficient because of inadequate facilities or instruction.
2. Projects designed for the educational development of high-ability students from secondary schools in which science instruction is, by national standards, satisfactory or better.

In continuation of this program, the National Science Foundation is inviting proposals from colleges, universities, and appropriate nonprofit organizations for a limited number of projects to provide, during the summer of 1973 or the academic year 1973-74, opportunities for such students to study and work with experienced scientists, engineers, and mathematicians. The due date for proposals is September 1, 1972.

Water Resources Research Center Water Resources Matching Grant, Proposals for FY1974

NO. FY73-2

The Water Resources Research Center has announced the following dates for proposals for fiscal year 1974:

September 15, 1972. Statement of intention by the principal investigator to submit proposal with a brief summary or abstract.

October 1, 1972. Draft of the proposal for review.

October 15, 1972. Final draft of the proposal, complete for submission to OWRR.

November 1, 1972. Proposals due in Washington, OWRR.

March 1, 1973. Notification from OWRR as

to approval for funding.

July 1, 1973. Funding begins for approved projects.

Members of the faculty who wish to submit a proposal should contact:

Dr. Dan Wiersma, Director
Water Resources Research Center
Lilly Hall of Life Science
Purdue University
Lafayette, Indiana 47907

National Science Foundation General Information on the Law and Social Science Program Division of Social Sciences

NO. FY73-3

The Law and Social Science Program was established within the Division of Social Sciences in August 1971 to serve as a focus for research interrelating law with contemporary knowledge concerning social science, natural science, and technology. Such research is rare in traditional legal scholarship, but at present is beginning to promise unique and important knowledge on the law system. The program is designed to encourage highly competent investigators to undertake research utilizing scientific techniques to obtain a more precise understanding of basic legal mechanisms, principles, institutions and personnel. Since such understandings will usually involve application of two or more distinct disciplines, funded projects will frequently require collaboration of investigators with legal and scientific training.

There are numerous law-related subject areas that can benefit from this kind of research-three examples being (1) legal institutions and mechanisms traditionally employed to govern the conduct of individuals and other entities, (2) lawyers and their profession, and (3) legal doctrines and principles basic to mankind and its various subgroupings. Each subject orientation embraces a full spectrum of specific topics suitable for multidisciplinary studies which can provide insights essential for later design and implementation of activities and mechanisms to meet our nation's evolving needs. Research in the first sample area would be characterized by systematic, usually quantitative analysis of the factors that determine effectiveness of basic mechanisms available to resolve disputes, including courts, legislative bodies, administrative agencies, arbitration tribunals, mediation, conciliation and contracts. Of course, inter-relationship between such mechanisms would also be fruitful topics for such analysis (in such cases "systems analysis" techniques could be employed). Research projects would take full account of scientific findings being generated in the major social science disciplines and other applicable fields of science and engineering.

The second subject area would involve scientific study of the lawyer and his profession with the objective of fully understanding the mechanisms and processes which establish the quality and quantity of skills he acquires and applies. Again the social science, other science and engineering disciplines would provide a critical foundation for such study. Efficient evolution of the profession and its members in phase with the progress of other disciplines and the rising complexity of national problems, requires the understandings that will only flow from such analysis.

The final example would involve analysis of economic, sociological, psychological and political underpinnings of basic legal principles and their amenability to future modification as scientific and social innovations occur. Study would most likely be organized around linkages between legal principles and the specific social or technical matrices to which they may be applied.

Law-related proposals submitted to NSF should describe fully the (1) nature of the problem or problems to be studied, (2) specific research objectives, (3) hypotheses upon which the research objectives and design are premised, (4) research methods to be employed, (5) associations between the proposed work and any closely-related previous findings, (6) how financial and human resources will be allocated during the course of the project, and (7) qualifications of the researchers. In the case of multi-disciplinary projects, the nature of the participation of co-investigators from other disciplines should be specified; ordinarily they should be collaborators rather than merely occasional consultants (or "expert witnesses" to support conclusions already drawn). Research plans may be modified in the course of a grant, to take advantage of promising new leads. However, the initial intentions should be stated as concretely as possible. In preparing formal proposals the format outlined in the NSF pamphlet Grants for Scientific Research should be followed as appropriate.

Projects should strive to properly account for the significance of all major forces in a study area and to generate results that will be acceptable on the basis of scientific or objective criteria. Conversely, investigations that employ substantial amounts of impressionistic analysis for producing definitive statements on broad subjects and whose acceptance must rely heavily on advocacy, will normally be given low funding priority. In summary, the analysis must be sufficiently objective and detailed to be replicated with similar results by others.

The Law and Social Science Program is specially concerned with supporting fundamental research on essential elements of activities and institutions related to law which are likely to be of critical importance five or more years in the future. Thus many funded projects may be characterized more as "building blocks" for subsequent more traditional research aimed at developing solutions to practical law problems. Immediately applicable results need not be sought, but the stated objectives must be pursued with carefully conceived analytical methods as is the case with fundamental scientific research.

In addition to proposal content, the Foundation is concerned with seeing the research results are disseminated in law reviews and other periodicals. However, lagtime between findings and publication is nearly a year, and centralized indexing of articles from the more than a hundred and fifty legal periodicals may add another year or two. Thus investigators may wish to sponsor small workshops of short duration composed of experts from various areas to improve the insights to be made available in published findings and to immediately recycle the results among potential investigators in order to stimulate proposals that build on previous efforts. The need for recycling is especially acute for the program envisioned because initial results will provide only basic building blocks rather than answer divisible contemporary problems.

Despite the above noted inclinations to select research areas and funding techniques for special emphasis, the Law and Social Science Program will retain flexibility to support unexpected projects of great imagination, and even risk. "Open entry" is a National Science Foundation hallmark which insures sensitivity to changing values and methods.

The Division of Social Sciences also provides support for doctoral dissertation research (including J.S.D.), research conferences, acquisition of specialized research equipment and materials, construction of specialized research facilities, special projects such as data banks, and travel to selected international scientific meetings.

For further information on support for law and social science, write to:

Dr. Fredrick W. Huszagh
Program Director for Law and
Social Science
Division of Social Sciences
National Science Foundation
Washington, D. C. 20550

Monthly Summary

Awards Received

IN THE MONTH OF JUNE, 1972

Department or Office	Principal	Short title	Sponsor	Amount-$ term
		AWARDS FOR RESEARCH		
Microbiology-Lobund Lab.	Pollard	Effects of environmental pollutants in germfree rodents	Public Health Service	22,525 1 yr.
Chemical Eng.	Luks	Effect of methane under pressure	Amer. Petrol. Inst.	10,000 1 yr.
Microbiology-Lobund Lab.	Pollard	Grant-in-aid	Miles Lab. Inc.	2,250 ---
Metallurgical Eng.	Fiore	Ultrasonic damping studies in controlled microstructures	Natl. Sci. Fdtn.	25,800 1 yr.
Metallurgical Eng.	Allen	Structural defects and transformations in intermediate lave phases	Natl. Sci. Fdtn.	34,500 1 yr.
Aerospace Mech. Eng.	Lucey	Professional advisory service center (protective construction)	U.S. Army	20,964 1 yr.
Law	McIntire	Methods of enforcing sewer use limitations on industry	Environ. Prot. Agency	23,250 1 yr.
Chemistry	Castellino	Mechanism of plasminogen activation	Amer. Heart Assocn., Inc.	9,130 1 yr.
Graduate School	Botzum	Graduate traineeship program	Natl. Sci. Fdtn.	2,029 ---
Chemistry	Castellino	Activation of plasminogen by streptokinase	Indiana Heart Assocn., Inc.	4,295 1 yr.
Microbiology-Lobund Lab.	Pollard	Study of the microflora of leukemic laboratory animals	Natl. Inst. Health	105,116 1 yr.
Physics	Tomasch	Electronic tunneling from metals	Natl. Sci. Fdtn.	51,000 2 yr.

Urban Studies	Broden	Monitoring South Bend City's personnel system	City of South Bend	4,500 1 yr.
Chemical Eng.	Banchero	Grant-in-aid	Gulf Oil Corp.	5,000 ---
Chemistry	Thomas	Photochemical excitation of hydrocarbons	Amer. Chem. Soc.	20,000 2 yr.
Civil Eng.	Tenney	Eutrophic lake reclamation by physical and chemical manipulations	Environ. Prot. Agency	49,999 1 yr.
Aerospace Mech. Eng.	Nee	Study of a multi-purpose meteorological wind tunnel	Natl. Sci. Fdtn.	60,000 1 yr.
Aerospace Mech. Eng.	Mueller	Hemolytic potential of prosthetic heart valve flow	Indiana Heart Assocn., Inc.	4,949 1 yr.
Aerospace Mech. Eng.	Lloyd	Design and evaluation of a new leaflet heart valve	Indiana Heart Assocn., Inc.	4,095 1 yr.
College Eng.	Hogan	Wastewater treatment apparatus	Telecommunication Ind., Inc.	32,700 7 mos.
		AWARDS FOR FACILITIES AND EQUIPMENT		
Law	Shaffer	Expansion of law school building and its library	Kresge Fdtn.	750,000 ---
		AWARDS FOR EDUCATIONAL PROGRAMS		
Sociology Anthropology	Bellis	Summer field school in archeology	Clark Equip. Co.	1,000 ---
Mathematics	Goetz	Comprehensive program for secondary school teachers of mathematics	Natl. Sci. Fdtn.	318,120 1 yr.
Urban Studies	Egan	Catholic committee on urban ministry	Raskob Fdtn.	30,000 1 yr.
Urban Studies	Egan	Grant-in-aid for Catholic committee on urban ministry	Dr. and Mrs. L. Schubert	15,000 3 yr.
Financial Aid Scholarships	McCauslin	James A. McCarthy scholarship fund	Edward W. Jerger	10 ---
		AWARDS FOR SERVICE PROGRAMS		
International Studies	Kertesz	Teaching and research assignments in foreign universities	Rockefeller Fdtn.	275,000 4 yr.

Proposals Submitted

IN THE MONTH OF JUNE, 1972

Department or Office	Principal	Short title	Sponsor	Amount-$ term
		PROPOSALS FOR RESEARCH		
Accountancy	Beverly	Portfolio of trade credit risks	(Through DPRD)	29,900 18 mos.
Chemical Eng., Chemistry	Luks, Kozak	Pure and binary dense fluid systems	Natl. Sci. Fdtn.	98,211 2 yr.
Physics	Bose, McGlinn	Theoretical research in high-energy physics	Natl. Sci. Fdtn.	57,304 2 yr.
Psychology	Anderson	Bio-behavioral effects of prior traumatic pain	Natl. Inst. Mental Health	20,838 1 yr.
Chemistry	Hayes	X-ray photoelectron spectroscopy of heme compounds	Natl. Inst. Health	32,132 1 yr.
Chemical Eng.	Smith	Expanding jet phenomenon in Newtoman liquids	Natl. Sci. Fdtn.	49,042 2 yr.
Civil Eng.	Mak	Structural integrity of high-rise buildings under fire loads	Natl. Sci. Fdtn.	100,920 2 yr.
Sociology Anthropology	Liu	Comparative study of Asian minorities in Canada and U.S.	Ford Fdtn.	200,973 3 yr.
Biology	Saz	Chemotherapy and metabolism of filariids	Natl. Inst. Health	22,464 1 yr.
Chemistry	Martinez-Carrion	Isozymes of heart glutumate aspartate transminase	Natl. Inst. Health	13,741 1 yr.

PROPOSALS FOR EDUCATIONAL PROGRAMS

Chemistry	Hofman	Summer institute in chemistry for high school teachers	Natl. Sci. Fdtn.	64,554 1 yr.
Law	Shaffer	Visitor lecture series: "The state of America"	(Through DPRD)	15,000 1 yr.

PROPOSAL FOR SERVICE PROGRAM

Urban Studies	Broden	Youth advocacy training	Health, Educ., Welfare	90,000 1 yr.

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF JUNE, 1972

AWARDS RECEIVED

Category	Renewal No.	Renewal Amount	New No.	New Amount	Total No.	Total Amount
Research	8	$ 144,762	12	$ 347,340	20	$ 492,102
Facilities and Equipment	-	---	1	750,000	1	750,000
Educational Programs	1	318,120	4	46,010	5	364,130
Service Programs	1	275,000	-	---	1	275,000
Total	10	$ 737,882	17	$1,143,350	27	$1,881,232

PROPOSALS SUBMITTED

Category	Renewal No.	Renewal Amount	New No.	New Amount	Total No.	Total Amount
Research	3	$ 68,337	7	$ 557,188	10	$ 625,525
Facilities and Equipment	1	---	-	---	-	---
Educational Programs	1	64,554	1	15,000	2	79,554
Service Programs	-	---	1	90,000	1	90,000
Total	4	$ 132,891	9	$ 662,188	13	$ 795,079

Closing Dates for Selected Sponsored Programs

Agency	Programs	Application Closing Dates
National Institutes of Health	Research Career Development Awards	September 1, 1972
	Research Support Grants	September, 1972
National Research Council	Postdoctoral Research Associateships	September 8, 1972
National Science Foundation	Undergraduate Research Participation	September 10, 1972
U.S. Office of Education	Summer Language and Area Program	August 10, 1972

documentation

Minority employment figures

The University has reported the following minority employment information to the Office of Federal Contract Compliance:

Year	Total Employees	Total Blacks	Total Minorities Including Blacks	Percent of Blacks	Percent of All Minorities Including Blacks
1962	1741	40	88	2.29	5.05
1963	1768	44	97	2.49	5.48
1964	1852	74	122	3.99	6.58
1966	2051	83	165	4.05	8.04
1967	2198	117	198	5.32	9.00
1968	2250	151	237	6.71	10.53
1969	2368	189	300	8.00	12.67
1970	2443	237	366	9.70	14.98
1971	2505	260	400	10.38	15.97
1972	2498	321	486	12.85	19.45

1973-74 Schedule of Meetings of the Board of Trustees and Advisory Councils

SPRING 1973

Friday, April 27	Trustees

FALL 1973

Friday, September 21	Arts and Letters (Northwestern game, September 22)
Friday, October 5	Business Administration (Michigan State game, October 6)
Friday, October 26	Trustees (Southern California game, October 27)
Friday, November 2	Science and Engineering (Navy game, November 3)
Friday, November 23	Law, Library and Art Gallery (Air Force game, November 24)

SPRING 1974

Friday, April 26	Trustees

FALL 1974

Friday, September 27	Business Administration (Purdue game, September 28)
Friday, October 11	Science, Engineering and Art Gallery (Rice game, October 12)
Friday, October 18	Trustees (Army game, October 19)
Friday, November 15	Law and Library (Pittsburgh game, November 16)
Friday, November 22	Arts and Letters (Air Force game, November 23)

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notre dame report

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