

Miss Marie Lawrence  
Memorial Library  
Social Sciences  
Notre Dame, Ind. 46556

'73-'74

# notre dame report

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November 16, 1973

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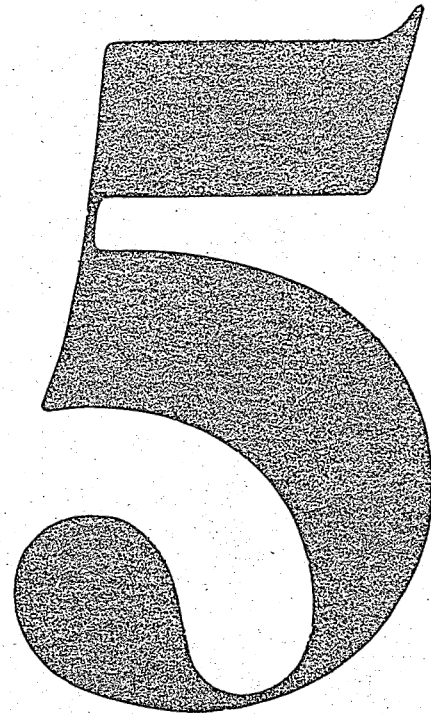
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# the university

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## Academic Calendar 1974-1975

The University of Notre Dame and Saint Mary's College have adopted an academic calendar for 1974-75 which includes the neighboring institution's first pre-Labor Day start of classes. (See Documentation).

In changing to a pre-Labor Day start, Saint Mary's and Notre Dame join a trend in higher education which has seen the number of schools using such a calendar grow from 205 in 1968 to 860 in 1972, according to an American Association of Collegiate Registrars and Admissions Counselors survey of 2,475 institutions. The so-called "early semester" calendar is now the most popular in American higher education, according to the survey.

Dr. Edward L. Henry, president of Saint Mary's, and Rev. James T. Burtchaell, C.S.C., provost of Notre Dame, also announced that the two institutions have established an inter-institutional calendar committee with equal membership from both schools to plan a common calendar for the period 1975 through 1977. "A common academic calendar," the two noted, "is necessary to the future of the successful student exchange program we have had since 1965."

## Law School celebration

The expansion and renovation of the Law School Building was celebrated and the Kresge Law Library dedicated in campus ceremonies Nov. 2.

A concelebrated Mass was said at 4 p.m. in the Kresge Law Library, followed with the blessing of the building by the Rev. Theodore M. Hesburgh, C.S.C. After the blessing, an open house was held and tours of the building conducted. A reception followed in the Law School Student Lounge and a dinner in the Kresge Law Library.

The \$1.6 million renovation, which included modernization of the existing structure and construction of an addition, has doubled the original building's usable space. The project was supported by a \$750,000 gift from the Kresge Foundation, grants in excess of \$200,000 from the federal government and contributions from Notre Dame law alumni.

Special features of the remodeled building include the Kresge Law Library, an expanded law library providing new stack areas allowing the school to rapidly enlarge its collection from 80,000 volumes to 150,000, a task aided by an endowment from the John P. Murphy Foundation of Cleveland, Ohio.

The Civil Rights Reading Room, located in the law library, will house Father Hesburgh's personal papers and records from his 15-year term on the United States Civil Rights Commission. Supplemented by the library's existing collection on the topic, these resources represent the core of the new Notre Dame Center on Civil Rights.

A mock law office, provides students with a realistic setting in which to practice interviewing and counseling clients. Remote controlled closed circuit television cameras can be used to record or broadcast proceedings to any classroom in the school.

The Student Lounge was designed by a Notre Dame architecture class and features a self-service vending area and a "conversation pit," a central sunken lounge section.

## Engineering centennial

The 1973-74 centennial year of engineering education at Notre Dame will be highlighted by a two-day celebration on April 26 and 27.

Dr. Joseph C. Hogan, dean of engineering, outlined centennial plans Nov. 2 at the annual meeting of the Engineering Advisory Council.

The two-day celebration will feature a symposium on an engineering topic of popular interest and centennial banquet at which a newly established "Honor Award" will be presented. The award will be given to persons or organizations for significant contributions to the advancement of engineering or architecture, or for meritorious achievement in other fields by an engineer or architect. Faculty members are invited to submit their nominations to Dr. Hogan before Dec. 31.

A special engineering academic convocation featuring the presentation of honorary degrees to outstanding individuals from industry, education, government, and

technical organizations is also scheduled.

In addition, prominent lecturers will speak at the college throughout the year in a centennial lecture series.

## Kirsch-Wenninger Life Sciences Research Library

The University of Notre Dame Department of Biology's research library was formally named the "Kirsch-Wenninger Life Sciences Research Library," honoring the first two chairmen of the department, in ceremonies Nov. 3.

The Kirsch-Wenninger Life Sciences Research Library, which houses more than 22,000 volumes, is located in the Galvin Life Sciences Center.

## Memorial Library vacation schedule

Memorial Library, Thanksgiving Vacation, Hours of Opening:

Wednesday, Nov. 21	8 a.m.-5 p.m.
Thursday, Nov. 22	CLOSED
Saturday, Nov. 24	8 a.m.-5 p.m.
Sunday, Nov. 25	1 p.m.-11:45 p.m.

## Fall semester enrollment

Total enrollment for the fall semester at the University of Notre Dame increased only 11 students, but the number of women in its undergraduate colleges increased 128 per cent. The 6,816 undergraduate students in the total enrollment of 8,586 include 831 women, an increase of 466.

An additional 406 women are enrolled in the Law School, the graduate schools and the master's program in business administration. Notre Dame opened the doors to full-time undergraduate women for the first time last year. The graduate and summer programs have had women students for several years.

Enrollment in the Freshman Year of Studies Program showed the sharpest increase, from 1,620 last year to 1,786. There are 417 freshmen women today compared to 125 last fall. Senior class members increased from 1,546 last year to 1,705 this year, while junior class enrollment dropped from 1,775 to 1,634 and sophomores from 1,679 to 1,593.

Enrollment in the advanced study programs show 407 in the Law School where 69 are women, an intentional decrease from last year's 468 with 59 women; 150, including 12 women, in the graduate business program, down from last year's 165 with four women enrolled, and 1,213 in the graduate

schools with 325 women, compared to last year's 1,202, of whom 184 were women.

Enrollment in the undergraduate colleges (with women in parenthesis) show: Arts and Letters, 2,046 (236); Business Administration, 1,266 (82); Science, 948 (69), and Engineering, 771 (27). Half or more of the students at Notre Dame year-abroad programs in Austria, France and Japan are women, while men outnumber the women in Mexico, Rome and London.

## Rev. Howard J. Kenna, C.S.C. endowed professorship

The University of Notre Dame Board of Trustees has authorized the University to seek \$800,000 to underwrite an endowed professorship in mathematics as a memorial to Rev. Howard J. Kenna, C.S.C.

Father Kenna died Sept. 13, shortly after retiring as Provincial Superior of the Indiana Province of the Congregation of Holy Cross, a position he had held since 1962. He was a former president of the University of Portland and served in several capacities at Notre Dame, including vice president for academic affairs and chairman of the Department of Mathematics.

The Board noted that Father Kenna played a leadership role in the historic transfer of governance of Notre Dame from the Holy Cross Fathers to a predominantly lay group of trustees in 1967. Until his retirement as provincial, he served as a fellow and trustee of the University.

A memorial exhibition honoring Father Howard J. Kenna, C.S.C., opened Oct. 28, in Notre Dame Art Gallery.

Two benefactors of the Notre Dame gallery, Mr. and Mrs. James Griffin of New York City, proposed a special gift honoring the former provincial who relinquished his duties last summer. The gift included Josef Albers' recent portfolio of 66 silkscreens entitled "Formulation-Articulation."

## University food service program

Faculty members and profession administrators now have enlarged opportunities to meet informally and converse with students at noon and evening meals, according to a new program announced by the office of Rev. James T. Burtchaeil, C.S.C., provost.

Beginning Oct. 15, University Food Service made available to faculty and professional staff members at its South Dining Hall office a ticket for 10 luncheons for \$10, and 10 evening meals at \$15. These tickets will allow the faculty or staff member the same meal privileges the students enjoy and must be presented to dining

hall checkers at each meal.

The program is the result of special requests from faculty members who wish to meet occasionally and converse with students at a location other than the classroom.

## **Vulgate edition of Biblia Sacra**

A deluxe reprinting of the Vulgate edition of Biblia Sacra has been presented to the rare book collection of the Memorial Library by a South Bend businessman who asked to remain anonymous. The gift has been valued at \$3,500.

Illustrated by Salvatore Dali, the limited edition is bound in natural Kairas goat leather and ornamented in gold. The text is printed on handmade paper, watermarked with the monogram of the artist.

## **Department of Architecture's 75th anniversary**

The University of Notre Dame College of Engineering's Department of Architecture celebrated its 75th anniversary Nov. 2 and 3.

The theme of the two-day celebration was "75 Years of Architectural Education." Events included a report on the architecture department delivered by Ambrose M. Richardson, department chairman, an open discussion with visitors and guests on the subject of architectural education, and a dinner. Lawrence B. Perkins, FAIA, of the Perkins and Will Partnership, a Chicago architectural firm, was the after dinner speaker.

## **Law School summer program**

The Notre Dame Law School will continue its successful summer program in England in 1974 with several distinguished British and American law professors serving as faculty. The program has attracted an average of more than 100 students from 50 to 60 American law schools in previous years.

Classes will run from June 21 to August 6 at Brunel University in metropolitan London. Fully accredited courses are expected to include such topics as Comparative Criminal Law, Public International Law, International Business Transactions, Federal Jurisdiction, Evidence and others.

## **Jazz at Eight or Nine**

The following is the schedule of the programs in the "Jazz at Eight or Nine" series sponsored by the University of Notre Dame Jazz Band, Rev. George Wiskirchen, C.S.C., director. Unless otherwise specified, all concerts and lecture/discussions will be in LaFortune Student Center and are free to the public.

- Thursday, Nov. 29 -- Lecture/Discussion: "The Avant Garde--the Art Ensemble of Chicago and the Association for Advancement of Creative Musicians" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Thursday, Dec. 6 -- Concert: NDJB Combo at 9 p.m.
- Thursday, Dec. 13 -- Concert: Notre Dame Jazz Band at 9 p.m.
- Thursday, Jan. 24 -- Lecture/Discussion: "An Overview of Jazz History--Beginnings to Bop" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Thursday, Jan. 31 -- Concert: NDJB Combo at 9 p.m.
- Thursday, Feb. 7 -- Lecture/Discussion: "An Overview of Jazz History--Post Bop to Present" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Thursday, Feb. 14 -- Concert: NDJB Combo at 9 p.m.
- Thursday, Feb. 21 -- Concert: Notre Dame Jazz Band at 9 p.m.
- Thursday, Feb. 28 -- Lecture/Discussion: "Improvisation--the Soul of Jazz" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Thursday, March 7 -- Concert: NDJB Combo at 9 p.m.
- Thursday, March 21 -- Lecture/Discussion: "The Place of Stan Kenton in Jazz" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Friday, March 29 -- Concert: "Directions in Jazz--Notre Dame Jazz Band, NDJB Combo and Guest Artist" at 8 p.m. (location to be announced). Admission Charge.
- April 4 - April 6 -- Collegiate Jazz Festival (Stepan Center). Admission charge.
- Thursday, April 18 -- Lecture/Discussion: "Bird" (Charlie Parker), "The Giant" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Thursday, April 25 -- Lecture/Discussion: "Weather Report and the Mahavishnu Orchestra" at 8 p.m. (Rev. George Wiskirchen, C.S.C.)
- Wednesday, May 1 -- Concert: NDJB Combo at 9 p.m.

For further information and verification of dates and times, call 283-6303.

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# faculty notes

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## University appointments

Mr. J. Oliver Cunningham, of Phoenix, Ariz., has been appointed to the advisory council of the College of Business Administration.

Mr. Alfred C. DeCrane, Jr., of New York, has been appointed to the advisory council of the College of Arts and Letters.

Mr. Kurt H. Grunebaum, of New York, has been appointed to the advisory council of the Notre Dame Art Gallery.

Mrs. Judd Leighton, of South Bend, has been appointed to the advisory council of the Notre Dame Art Gallery.

Mr. James McCaughan, of Coral Gables, Fla., has been appointed to the advisory council of the College of Business Administration.

Mr. Joseph P. Mulligan has been named director of the Chicago office of Public Relations and Development.

Mr. John H. Platts, of Benton Harbor, Mich., has been appointed to the advisory council of the College of Engineering.

Mr. Joseph Robbie, of Miami, Fla., has been appointed to the advisory council of the College of Arts and Letters.

Mr. Charles Sawyer, of Ann Arbor, Mich., has been appointed to the advisory council of the Notre Dame Art Gallery.

Mr. Thomas J. Suddes has been named midwest regional director of development in the Department of Public Relations and Development.

## Non-university appointments

Dr. Hugh P. Ackert, associate professor emeritus of aerospace and mechanical engineering, was recently elected to life membership in the American Society for Engineering Education.

Dr. Paul G. Banikiotes, assistant professor of graduate studies in education, has been elected to a three year term on the directorate body of the Counseling Commission of the American College Personnel Association.

Dr. James J. Carberry, professor of chemical engineering, has been named an executive editor of "Catalysis Reviews: Science and Engineering."

Paula M. Dawning, staff professional specialist in the freshman year of studies, has been elected to the board of directors of the Urban League of South Bend and St. Joseph County.

Dr. Frederick W. Dow, Hayes-Healy Professor of Travel Management, has been appointed to a scientific advisory committee to the Italian Ministry of Tourism and Recreation.

Dr. Robert E. Gordon, vice president for advanced studies, has been elected to the Argonne Universities Association (AUA) board of trustees.

Rev. Aidan Kavanagh, O.S.B., professor of theology, has been elected to the editorial corporation of the Anglican Theological Review, an associate editor for the United States and Canada of *Studia Liturgica* (Holland), and to the boards of directors of the National Liturgical Conference (Washington, D.C.) and the World Center for Liturgical Studies (Melbourne, Fla.)

Dr. V. Paul Kenney, professor of physics, was appointed an advisory member of the Argonne Universities Association Board Committee on High Energy Physics.

Dr. James Kritzeck, professor of history, has been named vice president of Pax Romano, the American Graduate and Professional Commission which is the U.S. affiliate of the International Catholic Movement for Intellectual and Cultural Affairs.

Dr. William H. Leahy, associate professor of economics, has been named associate editor of the *International Journal of Social Economics*, published for the International Institute of Social Economics at the University of Hull, England.

Dr. Victor W. Nee, professor of aerospace and mechanical engineering, has been invited to serve on the Meteorology Advisory Committee of the U.S. Environmental Protection Agency for a term beginning immediately and ending June-30, 1977.

Dr. Morris Pollard, Director of the LOBUND Laboratory, has been appointed by the National Cancer Institute a member of the National Colon Cancer Committee with assignment in the area of carcinogenesis and epidemiology.

Dr. Francis H. Raven, professor of aerospace and mechanical engineering, is serving as a member of the "Zero Gravity Suspension and Control Systems" Committee of the Universities Space Research Association.

Dr. and Mrs. Thomas J. Schlereth, have been appointed co-chair persons of a committee to establish the Joseph D. Oliver House on the Department of the Interior's Historical Landmarks Program.

## Miscellany

Dr. Charles W. Allen, professor of metallurgical engineering, and Dr. Nicholas F. Fiore, Chairman of the Department of Metallurgical Engineering, presented a paper entitled "Effect of Gamma-irradiation on Precipitation on Age Hardened Aluminum Alloys." The session was on Radiation Effects on Precipitation at the Materials Engineering Congress.

Dr. Frank J. Bonello, assistant professor of economics, and Dr. Kenneth Jameson, assistant professor of economics, delivered a paper entitled "The In-migration Experience of the Indiana Statistical Metropolitan Statistical Areas" at the Indiana Academy of Social Sciences meeting in Indianapolis, Oct. 12. Dr. Bonello and Dr. Jameson, with Dr. William I. Davisson, professor of economics, received the first place honor in the Kazanjian Foundation Awards Program for 1973, in a national awards competition recognizing innovative approaches in economics education.

Dr. Vincent DeSantis, professor of history, delivered a lecture on "The National Power of the United States" at the Inter-American Defense College in Washington, D.C. on Nov. 5. Dr. DeSantis also spoke on "The Gilded Age: Politics and Intellectuals at the Seventh Annual History Forum, sponsored by Duquesne University from Oct. 31 to Nov. 2. At the same forum, Dr. Jay Dolan, assistant professor of history, spoke on "The Immigrant Experience" and Dr. John Lyon, Chairman of the General Program of Liberal Studies, spoke on "Nineteenth Century German Philosophers."

Dr. Josephine Massyngberde Ford, associate professor of theology, delivered a talk to the National Federation of Licensed Practical Nurses on the subject of "Scripture and the Five Stages of Dying" at Denver, Colo. Dr. Ford gave a weekend's retreat entitled "Advent: A Time of Invitation to Change, the Messianic Expectations at the Time of Jesus" for the Diocese of Lansing Religious Coordinators. She also delivered a paper entitled "The Revelation of John the Baptist" at a Chicago meeting of Lutheran Graduate Students. In November at the meeting of the American Academy of Religion and the Society of Biblical Literature, Dr. Ford will deliver papers entitled "Biblical Material Relevant to the Ordination of Women" and "You are God's Sukkah." She shall also address the General Conference of the Mennonite Church's consultation on the Role of Women on the "Biblical evidence for the Ministry of Women."

Canon Astrik L. Gabriel, director of the Mediaeval Institute, delivered a lecture entitled "The Art of Miniature Painting in the Court of the Duke of Berry in France in the 15th Century" Nov. 8 at the Alliance Francaise de Chicago.

Dr. Alan T. Huckleberry, assistant professor of mathematics, delivered a talk entitled "Function Algebra Techniques on a Type of Pseudo-Convex Manifold" at the NSF Regional Conference at the University of Wisconsin June 18. Dr. Huckleberry served as chairman of a Problems Seminar at the conference. He also delivered an address entitled "Analytic and Algebraic Dependence of Functions on a Class of Pseudoconvex Manifolds" at a conference on Complex Analysis in Oberwolfach, Germany, Sept. 4.

Dr. Kenneth P. Jameson, assistant professor of economics, delivered a paper to open the first session of the Conference on World Energy Resources and Requirements and their Effect on International Relations. The conference was held in Ditchley Park, England, Oct. 26-29.

Rev. Aidan Kavanagh, O.S.B., professor of theology, gave the main address on ministry and orders at a conference on Shared Ministry in the Liturgical Realm sponsored by the diocese of Green Bay, Wisc. Sept. 14. On Sept. 28 he gave the keynote lecture, entitled "Diversity in Unity," at the first conference on liturgy in the Archdiocese of Chicago.

Dr. Kenneth R. Lauer, professor of civil engineering, was an invited participant at a RILEM International Colloquium on the Theoretical Aspects of Frost Action in Concrete, held in Ottawa, Canada, Oct. 4-5.

Dr. James Michael Lee, professor of graduate studies in education, addressed the annual convention of religious educators in the diocese of Richmond, Va., on the subject "Structured Learning Situations in Religious Education" on Oct. 8.

Dr. John R. Lloyd, assistant professor of aerospace and mechanical engineering, attended the 26th Annual Conference on Engineering in Medicine and Biology in Minneapolis, Minn. where he presented a paper entitled "Morphologic Changes in the Thermal Destruction of Erythrocytes," Sept. 30-Oct. 4.

Dr. Kenneth W. Milani, assistant professor of accountancy, presented a paper at the Accounting Research Seminar at the University of Iowa entitled "Budgeting in an Industrial Setting: A Field Study of the Relationship Between Participation in Budget-Setting and Job Performance and Attitudes" on Sept. 27. From Aug. 27-31, Dr. Milani was involved in a study of the outdoor advertising industry with Burkhart Advertising, Inc. The internship was sponsored by the Outdoor Advertising Association of America.

Dr. Albert E. Miller, professor of metallurgical engineering and materials science, served as Chairman of the Technical Session on Alloy Behavior at the American Institute of Metallurgical Engineers and American Society for Metals Congress held in Chicago Oct. 1-4.

Dr. Charles W. Murdock, associate professor of law, delivered an address entitled "Legal Considerations in Marriage and Family Planning for the Mentally Retarded" Nov. 29 as part of a regional workshop on

Family Life Education and Family Planning for the Mentally Retarded.

Dr. John D. Nicolaidis, professor of aerospace and mechanical engineering, was presented with a special bronze plaque in appreciation for his presentation at the Cryogenic Cooling Conference held at the U.S. Air Force Academy Oct. 16. Dr. Nicolaidis' banquet speech stressed recent developments in flight dynamics.

Dr. Jerome L. Novotny, professor of aerospace and mechanical engineering, was invited to present a seminar on the progress and development of his NSF research grant "Fire and Smoke Spread in Corridors" at the University of Kentucky on Oct. 25.

Dr. Daniel J. Pasto, professor of chemistry presented an address entitled "A Study of the Reaction of Alkenes with Hydrogen Bromide in Acetic Acid" to the chemistry department at Lewis University in Lewis, Ill. on Sept. 27. He presented the same talk to the chemistry department at the University of Wisconsin on Sept. 28.

Dr. Morris Pollard, director of the LOBUND Laboratory, was keynote speaker for the United Cancer Council annual meeting in Indianapolis on Oct. 18. Dr. Pollard was also chairman of the Molecular Biology and Microbiology section of the Indiana Academy of Science meeting in Indianapolis Oct. 26-27. He was also chairman of local arrangements for the Tri-State meeting of the American Society for Microbiology which met at Notre Dame Oct. 19-20.

Edward A. Riley, director of environmental health and safety, was awarded the Tim Sullivan Memorial Award as the outstanding sanitarian in Indiana for 1973. The award was presented by the Indiana Association of Sanitarians, Inc. at the Annual Environmental Health Association Conference Oct. 2-4 at Indiana State University.

Dr. William P. Sexton, associate professor of management, addressed the Benedictine General Assembly at St. Benedict's College, St. Cloud, Minn., on the topic "Decision Making and the Collegial Process," Oct. 20. He also addressed the Sisters' Senate of the Evansville Diocese Nov. 3 on the topic "Strategies for Conflict Resolution."

Dr. Samuel Shapiro, associate professor of history, delivered a paper entitled "Black Women and the Blues" at the annual meeting of the Association for the Study of Afro-American Life and History in New York City, Oct. 19. He also read a paper entitled "Argentina, Chile and Uruguay Today: Dictatorship in the Cono Sur" at a meeting sponsored by the Chicago Council on Foreign Relations, Oct. 29.

Dr. William G. Storey, associate professor of theology, presented four lectures on "Liturgical, Popular and Private Prayer" Oct 15-18 for the Archdiocese of Detroit Committee on Worship.

Dr. Albin A. Szewczyk, professor of aerospace and mechanical engineering, attended the 11th Biennial Fluid Dynamics Symposium on Advanced Problems and Methods in Fluid Mechanics and presented a paper entitled "Numerical Modeling of Pollutant Transport and Dispersion in Bays and Estuaries" Sept. 1-8 at the Polish Academy of Science, Warsaw, Poland.

During the week of Sept. 25-29, he attended the International Conference on Numerical Methods in Fluid Dynamics at the University of Southampton, England, where he presented a paper entitled "Numerical Solutions of the Viscous Flow Past a Circular Cylinder with Streamwise Velocity Fluctuations." His visits to Denmark, Belgium, Germany and France were in relation to a National Science Foundation contract the department has on windtunnels.

Dr. Francis H. Verhoff, associate professor of chemical engineering, presented an address entitled "Mixing in Anaerobic Digestion" at the National ACS meeting in Chicago in August. He also presented a lecture entitled "Rates of Carbon, Oxygen, Nitrogen and Phosphorus Cycling in Microbial Populations of a Stratified Lake." At Logan, Utah, Dr. Verhoff presented a work entitled "Multinutrient Dynamic Models of Algal Growth and Species Competition in Eutrophic Lakes" In October, he presented a paper called "Metabolite Transport in Cells with Engineering Applications" at the University of Delaware and a second paper entitled "A Theory of Co-transport and Active Transport in Living Organisms" at the National Institute of Health, Bethesda, Md.

Dr. James E. Ward, associate professor of history, participated in a panel discussion of 19th century Catholicism at a meeting of the American Academy of Religion in Chicago, Nov. 9. He also presented a paper entitled "Leo XIII's Aggiornamento."

Dr. Evelyn Eaton Whitehead, assistant professor of theology, and James D. Whitehead, assistant professor of theology, conducted a workshop series, "Parish as Sacrament: Strategies for Adulthood" for the Center for Adult Learning of the Archdiocese of Chicago. The series consisted of full-day sessions on consecutive Saturdays (Oct. 6 and Oct. 13). The first workshop focused on "Perspectives on Adult Ministry" while the latter workshop was devoted to "Planning for Parish Action."



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# office of advanced studies

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## Notes for Principal Investigators

### Research Projects Involving Human Subjects

The NIH has issued an important notice concerning proposals for projects involving human subjects. For such projects, principal investigators should carefully note that a special section on the protection of human subjects is to be included in proposals. The descriptions and explanations in this section should be as complete as is possible. The NIH notice follows:

#### Research Projects Involving Human Subjects

The purpose of this notice is to provide clarification of Item 7. Research Involving Human Subjects on page 3 and the second sentence in Section C on page 9 of the Instruction Sheet (Rev. 2-73) for Form NIH 398. DHEW policy defines "subject" as "any individual who may be at risk as a consequence of participation ... in research, development, demonstration, or other activities supported by DHEW funds." The policy is concerned with the risks inherent in altered states or conditions imposed by project protocols, whether these risks are physical, psychological, sociological, or legal in nature. The need for determination of, and protection against, risk to the individual is not limited to activities involving the intact human, but extends to the use of human embryos, fetuses, abortuses, organs, tissues, body fluids, or graphic, written or recorded information.

DHEW staff and advisory committees are required in their consideration of proposals to determine whether the rights and welfare of human subjects will be adequately protected. Therefore, if the protocol involves human subjects as defined by DHEW policy, the principal investigator shall include under the heading HUMAN SUBJECTS at the end of the Methods of Procedure section of the application: (1) an assessment of any physical, psychological, sociological, or other risks or possible detrimental effects of the planned work, and an assessment of the benefits to be gained by the individual subject as

well as benefits which will accrue to society in general as a result of the planned work; (2) an analysis of the "risk-benefit ratio"; and (3) a description of the measures to be taken to protect the rights of subjects, including criteria for the selection of subjects and the planned procedures to obtain informed consent.

### Telephone Charges of Grants and Contracts

For telephone bills related to sponsored projects, the Director of Current Funds-Restricted requests that principal investigators list the expense type against which the charge is to be made. The expense type should be written on the bill. It should be noted that some grants and contracts will not accept the telephone expense type. Acceptable expense types for grants and contracts are listed on the memorandum which principal investigators receive from the Director of Current Funds-Restricted.

### National Institutes of Health Institutional Control of Research Grant Application Forms

The current NIH practice of mailing application forms directly to the principal investigator for submittal of continuation or renewal grant requests will be discontinued December 31, 1973.

Under the new procedure, the Office of Advanced Studies, Division of Research and Sponsored Programs will be the central application control office for:

1. New and competing renewal applications (PHS-398);
2. Noncompeting continuation applications (PHS-2590 or NIH-2006-1).

For the latter, the Office of Advanced Studies will provide principal investigators with a computer-prepared application face page to be used in completing applications. To ensure meeting NIH due date requirements, noncompeting continuation applications will



be due in the Office of Advanced Studies at least 70 days prior to the beginning date of the next grant period.

## Number of Copies of Proposals

Henceforth, the number of copies of proposals submitted by the principal investigator to the department chairman (or director of an institute) will be 5 plus the number required by the sponsoring agency. Of this number of copies, one copy is retained by the chairman of the department (or director of the institute), one copy is retained by the dean, 3 copies are required by the Office of Advanced Studies, and the remainder go to the sponsoring agency. If human subjects are involved in the project, the Office of Advanced Studies needs 8 additional copies. These additional copies are needed for distribution to the University Committee on the Protection of Human Subjects.

## Information Circulars

### National Science Foundation Engineering Research Initiation Program

#### NO. FY74-26

The National Science Foundation seeks proposals for its Engineering Research Initiation Program that offers opportunities for engineering faculty members to conduct research on campus, with industry, government, and research organizations.

#### Objective

To encourage the development of graduate research programs at the instructor or assistant professor level for those who have had no substantial research support.

#### Types of Projects

The program is divided into Option A and Option B. Option A supports only academic research on campus. Option B supports both academic research and research in an off-campus environment. Research under Option B may include use of specialized equipment and facilities, services of highly qualified technicians, access to unique data as well as increased awareness and sensitivity to current engineering problems and closer contact with practicing professionals.

#### Support

Maximum support under Option A is \$17,000, under Option B, \$21,000. In addition, under Option B, NSF will consider requests for a one-year supplemental grant for investigators

developing a research program related to their nonacademic research that merits continuation.

#### Application Deadline

Application deadline is December 31, 1973. Awards will be announced in mid-March 1974.

### The Ford Foundation Faculty Fellowships for Research on the Role of Women in Society

#### NO. FY74-27

#### Purpose

To facilitate the completion of promising research related to contemporary problems having implications for social policy and action. The awards are designed to enable faculty members to be released from teaching and other non-research assignments for one academic year for research of their own choosing on a relevant subject on the role of women in society. The fellowships are not intended to support work on doctoral dissertations, preparation of teaching materials, or study programs.

#### Eligibility

The program is directed primarily to faculty members, male or female, in the humanities, social sciences, and related professional fields such as education, law, and business administration, but other faculty members are also eligible. Nominees must hold the doctorate or have had equivalent research training or experience. They must submit a well-defined project relevant to the changing role of women in society. Preference will be given to empirical studies in education, employment, politics or the family. Sufficient previous work should have been done to demonstrate research ability and knowledge of the field to be investigated.

#### Duration

The tenure period will be the regular 1974-75 academic year, consisting of two semesters or three quarters. Minimum tenure would be one regular semester and the preceding or following summer term.

#### Stipend

The stipend will be equal to the academic salary at time of nomination. Sabbatical entitlement is deducted. If the fellowship tenure period is other than the academic year, an appropriate adjustment will be made. A modest allowance for research expenses may also be given. Payment will be made to the institution.

## Application

Nominations must be submitted by department heads or deans. Each department or professional school is limited to one nominee. Direct applications will not be accepted. Completed applications must be received by January 4, 1974. Appointments will be announced on or about March 15, 1974. Requests for the required forms or further information should be addressed to: The Ford Foundation, Faculty Research Fellowship Program on Women in Society, 320 East 43rd Street, New York, New York 10017.

## The Edmund Niles Huyck Preserve, Inc. Research Fellowship and Grants-in-Aid

### NO. FY74-28

The Biological Research Station of The Edmund Niles Huyck Preserve offers a Research Fellowship and Grants-in-aid for pre- and postdoctoral research in which the natural resources of the Preserve are utilized. The 1,200 acre Preserve is located on the Helderberg Plateau, in the village of Rensselaerville, 30 miles southwest of Albany, New York. It includes natural and reforested woodland, old fields, Lake Myosotis, Lincoln Pond, and approximately three miles of Ten-mile Creek.

The fellowship includes a stipend of \$2,000, free laboratory space and lodging for the recipient and family for approximately three months. Also included is a round trip travel allowance of up to \$300. Housekeeping units and laboratories are available.

Applications should include a curriculum vitae, description of proposed research, and two letters of recommendation. Applications are due on or before February 1, 1974, with the selection announced by March 1, 1974.

Applications, or requests for further information, should be sent to: Dr. Robert C. Dalglish, Director, Biological Research Station, Edmund Niles Huyck Preserve, Ind., Box 87, Rensselaerville, New York 12147.

## Social Science Research Council Collaborative Research Grants, Near and Middle East

### NO. FY74-29

Grants to a North American and a Near and Middle Eastern scholar are available for collaboration in a research project of mutual interest, including collaboration in data collection and analysis and preparation of a final report. Grants are primarily for mature scholars whose competence for research

has been demonstrated by their previous work.

Grants will be awarded for periods up to twelve months and will include provisions for maintenance in lieu of salary, limited research expenses, and travel expenses for research and consultation. Awards range from small grants to a combined total of \$25,000. One member of the team should request application forms.

Application deadline: January 4, 1974. Write to: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

## Social Science Research Council Conference Support Latin America-Caribbean

### NO. FY74-30

The program provides support for participation in research conferences or seminars in the social sciences or the humanities relating to Latin America or the Caribbean that are planned by other organizations. Support provides primarily for economy-class travel expenses of scholars invited to present papers at such conferences. Requests by individuals for travel to periodic meetings of professional or scholarly congresses or associations are accepted, and only in exceptional cases are funds for travel made available.

Allocation of funds is limited to a maximum of \$3,000: two to three conferences may be aided each year. Assurance is required that financial support has also been obtained from other sources.

Requests should be made by letter, indicating the subject and information about the conference; names and affiliations of participants; authors and titles of papers; support from other sources; and names and affiliations of persons whose attendance would be made possible by additional funds.

Deadline for submission of proposals: December 15, 1973. Write to: Social Science Research Council, Fellowships and Grants, 110 East 59 Street, New York, New York 10022.

Social Science Research  
Council Commissioned Group  
Research Projects  
Latin America-Caribbean

NO. FY74-31

Support is offered for a limited number of cooperative research projects on topics that can be studied most effectively by a group. Scholars from Latin America and the Caribbean, North America, and elsewhere design and carry out these projects cooperatively. Suggestions are invited for research which might begin in 1974.

Awards provide for maintenance, research assistance, and travel, including periodic conferences.

Proposals will be received up to December 15, 1973. Write to: Social Science Research Council, Fellowships and Grants, 110 East 59 Street, New York, New York 10022.

Social Science Research  
Council Collaborative  
Research Grants, Latin  
American or Caribbean Cultures,  
Societies, or Institutions

NO. FY74-32

Grants are offered jointly to two or three scholars of equal scholarly maturity in the social sciences or the humanities who wish to collaborate on a research project dealing with nineteenth- or twentieth-century Latin American or Caribbean cultures, societies, or institutions.

One of the collaborators must be a Latin American or Caribbean scholar; the other(s) may be a citizen of any country outside Latin America and the Caribbean.

Grants are ordinarily for a maximum of twelve months, and provide for maintenance, limited research expenses, and travel. Only in exceptional cases is support provided for research assistance or secretarial services. Upper limit is \$25,000.

Application deadline: December 15, 1973. Write to: Social Science Research Council, Fellowships and Grants, 110 East 59 Street, New York, New York 10022.

Social Science Research  
Council Grants for Advanced  
Research, Latin America or  
the Caribbean

NO. FY74-33

Grants are offered to social scientists and humanists for research related to cultural, economic, political, social, or scientific development in Latin America or the Caribbean in the nineteenth or twentieth centuries.

There are no citizenship requirements. Applicants should have a basic academic degree. Canadian and United States scholars must hold the Ph.D. at the time of application. There are no age limits, but preference will be given to candidates under 50. Candidates should describe their research experience on Latin America or the Caribbean and list their principal publications.

Grants are for three to twelve months. This usually involves partial or full-time leave. However, other proposed arrangements will be considered, if they include the commitment of at least three months of the applicant's own time.

Grants vary according to need, from the equivalent of travel expenses alone, to an appropriate part of salary replacement plus travel expenses for immediate family members if full-time research will be done abroad for longer than 6 months. Applicants are expected to seek support from other sources as well.

Applicants desiring to improve their competence to carry out proposed research projects through special short-term study in an additional discipline, research methodology, or language training may request funds for that purpose.

Grants are not offered for writing doctoral dissertations, nor to support a research program of an institute.

Application deadline: December 15, 1973. Write to: Social Science Research Council, Fellowships and Grants, 110 East 59 Street, New York, New York 10022.

**Social Science Research  
Council Submission of Proposals  
for Conducting Seminars or  
Projects in 1975**

**NO. FY74-34**

Proposals for conducting inter-American research training seminars or collaborative research training projects in June-August 1975 are welcomed from advanced scholars in the social sciences or the humanities.

Deadline for proposals: March 1, 1974.

For information write to: Social Science Research Council, Fellowships and Grants, 110 East 59 Street, New York, New York 10022.

**Social Science Research Council  
Collaborative Research Training  
Projects, Latin America or the  
Caribbean**

**NO. FY74-35**

Fellowships will be offered for participation in two or three eight to ten week projects to be undertaken in Latin America or the Caribbean in June-August 1974. Projects provide three to four North American graduate students and an equal number of Latin American graduate students in the social sciences or humanities with intensive research training and opportunity to select topics and test the feasibility of subsequent collaborative research. Projects will be jointly designed and codirected by North American and Latin American scholars.

Selection will be governed by the appropriateness of the applicants' training, language competence, and promise as scholars. Preference will be given to first- and second-year graduate students.

Full or partial stipends for domestic and international travel and monthly maintenance are available to North American participants. Stipends of Latin American and Caribbean participants will be arranged by the Latin American or Caribbean project codirectors. Applicants are expected to seek some supplemental funding to cover participation.

Application deadline: February 15, 1974.  
Write to: Social Science Research Council,  
Fellowships and Grants, 110 East 59 Street,  
New York, New York 10022.

**Social Science Research Council  
Inter-American Research  
Training Seminars**

**NO. FY74-36**

Fellowships will be offered for attendance at two eight-week inter-American research training seminars, June-August 1974. These Seminars provide young scholars with intensive training in new substantive areas of research, methods of analysis, and project design for future research on Latin America or the Caribbean.

Seminars will be held in the United States or Latin America, and will be directed by North American or Latin scholars in collaboration with visiting faculty. Each seminar will be open to about twenty graduate students and junior faculty members trained in disciplines relevant to the subject of the seminar and possessing a working knowledge of Portuguese or Spanish.

Full or partial fellowships for domestic and international travel and monthly maintenance are available; applicants are expected to seek supplemental funding. No support for dependents will be provided.

Application deadline: January 15, 1974.  
Write to: Social Science Research Council,  
Fellowships and Grants, 110 East 59 Street,  
New York, New York 10022.

**Social Science Research  
Council Collaborative Research  
Grants — Republic of Korea**

**NO. FY74-37**

A limited number of small grants are offered for collaborative research developed and undertaken jointly by two scholars, one a citizen or permanent resident of the United States or Canada, the other a citizen or permanent resident of the Republic of Korea. Both should be mature scholars whose competence for research has been demonstrated by their previous work. Total combined expenses for each project should not exceed \$7,500. Expenses may include maintenance in lieu of salary, limited research expenses, and travel expenses.

The North American member should request application forms. Application deadline: December 15, 1973. Write to: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

## Social Science Research Council Grants for Research in Korea

### NO. FY74-38

Grants are offered to citizens and permanent residents of the United States and Canada for research in the social sciences and humanities relating to Korea, to be undertaken in North America or abroad. Applications for cross-disciplinary or comparative research will be accepted.

Most grants will not exceed \$3,000. However, a single grant of up to \$10,000 may be awarded at the discretion of the committee for a more costly project of unusual merit. Applicants for a large grant should specify whether or not they wish to be considered also for a small grant.

Application deadline: December 1, 1973. Write to: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

## Social Science Research Council Grants for Research in Japan

### NO. FY74-39

Grants are offered to citizens or permanent residents of the United States or Canada for research in the social sciences and humanities relating to Japan, to be conducted in North America or abroad. Applications for cross-disciplinary and comparative research involving Japan will be accepted. Grants may be made for joint research projects by two or more eligible scholars, and by eligible scholars who are collaborating with Japanese scholars. Support will not ordinarily exceed \$10,000.

Application deadline: December 1, 1973. Write to: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

## Social Science Research Council Study of East European Languages

### NO. FY74-40

Grants for study of East European languages are offered to both scholars and predoctoral students for training in the United States or abroad in the languages of the following countries: Albania, Bulgaria, Czechoslovakia, Greece (modern Greek), Hungary, Poland, Romania, and Yugoslavia.

Application deadline: February 1, 1974. Write to American Council of Learned Societies, 345 East 46 Street, New York, New York 10017.

## Social Science Research Council Travel Grants — East European

### NO. FY74-41

Travel grants for attendance at international conferences abroad on East European studies are offered to American specialists in the field who are to read papers or otherwise participate officially in such meetings.

Application deadline: February 15, 1974. Write to: American Council of Learned Societies, 345 East 46 Street, New York, New York 10017.

## Social Science Research Council Grants for Research in East Europe

### NO. FY74-42

Grants are offered for postdoctoral research in the social sciences or humanities relating to Albania, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, Yugoslavia, East Germany since 1945, and modern Greece. Applications dealing with Finland and the Baltic States will be accepted only if relevant to non-Soviet Eastern Europe.

Application deadline: December 31, 1973. Write to: American Council of Learned Societies, 345 East 46 Street, New York, New York 10017.

## Social Science Research Council Grants for Research on the Economy of China

### NO. FY74-43

Grants for research on the economy of China are offered to citizens or permanent residents of the United States or Canada, whose competence for research has been demonstrated by their previous work, under a special program particularly intended to encourage research by economists and other social scientists on problems of economic growth, stagnation, and transformation in China, within an analytic framework.

Applications for support of other research on the economy of China will be accepted.

Grants will not ordinarily exceed \$10,000. Application deadline: December 1, 1973. Write to: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

Social Science Research Council  
Grants for Research in  
Contemporary and Republican  
China

NO. FY74-44

Grants are offered to citizens or permanent residents of the United States or Canada who hold the Ph.D. or its equivalent for research in North America or abroad on postimperial China, including studies in which twentieth-century China is viewed in historical perspective. (Grants for research concerned exclusively with pre-1911 China are offered by the American Council of Learned Societies, 345 East 46th Street, New York, New York 10017.)

Requests will be accepted for support of research on the Democratic People's Republic of Korea (North Korea) and the Democratic Republic of Vietnam (North Vietnam) particularly research that might bear on the experience of twentieth-century China, and on Tibet, Mongolia, and Sinkiang since 1911.

Applications are invited from scholars in every discipline of the social sciences and humanities and from scholars engaged in cross-disciplinary projects. Joint applications by two or more North American Scholars or by a North American scholar who plans to collaborate with a foreign scholar having other support will also be accepted.

Grants will not ordinarily exceed \$10,000.

Application deadline: December 1, 1973.  
Write to: Social Science Research Council,  
Fellowships and Grants, 230 Park Avenue,  
New York, New York 10017.

Social Science Research Council  
Grants for Research in Africa

NO. FY74-45

Individual grants of not more than \$10,000 for research in the social sciences and humanities are offered to citizens and permanent residents of the United States or Canada whose competence for research on Africa has been demonstrated by their previous work, and who intend to make continuing contributions to the field.

Stipends may include partial maintenance, travel, and research expenses. If possible, each applicant should arrange for affiliation with an African University or research institute.

Application deadline: December 1, 1973. Contact: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

Social Science Research Council  
Research Training Fellowships

NO. FY74-46

Research Training Fellowships are offered to social scientists who wish to obtain training in research beyond that normally required in doctoral programs in their own disciplines to prepare them for innovative research in the social sciences. Acquisition of special technical skills, intellectual contact with scholars whose orientation is radically different from that of the applicant, or training in research in another discipline may be desirable. Promise of original contributions to the advancement of social science and the prospect that the proposed additional training may enhance the fulfillment of that promise will be the criteria of selection.

Tenure will be nine to twelve months at any stage of a candidate's career subsequent to the completion of all requirements for the Ph.D. except for the dissertation. Amount of the award will be individually determined. Allowance for maintenance of dependents and for tuition fees, travel, and other expenses are included when necessary. Other employment during the fellowship term is not permitted.

Applicants should first communicate with the Council, briefly describing his plans for supplementary research training and giving several specific items of information -- i.e., a brief but explicit statement of proposed training or research; geographic area of interest; age, occupation or current activity, and university or other affiliation; country of citizenship and/or permanent residence; academic degrees held, specifying disciplines of fields of study; if currently working on doctorate, the date of completion of all requirements except dissertation; proposed date for beginning tenure of the award and duration requested; for postdoctoral grants, the approximate amount of support needed.

Preliminary inquiries should be made as early as possible before December 1, 1973, and formal applications submitted by January 3, 1974. Candidates will be notified by April 1.

Address inquiries to: Social Science Research Council, Fellowships and Grants, 230 Park Avenue, New York, New York 10017.

## National Science Foundation Decision-Related Research on the Organization of Service Delivery in Metropolitan Areas

NO. FY74-47

The Division of Social Systems and Human Resources of the Research Applications Directorate intends to provide up to \$2,000,000 for selected policy and decision-related research on the effectiveness, equity, efficiency, and responsiveness of different organizational arrangements for the delivery of selected services in metropolitan areas. For the purpose of this solicitation, "metropolitan area(s)" is defined to mean all Standard Metropolitan Statistical Areas which (1) were within the boundaries of a single state and (2) had populations under 1,500,000 according to the 1970 United States Census.

These funds are intended to support the first phase of a two-phased research project. Under the first phase, one sixteen-month award in each of five service areas, involving not more than five and not less than three equivalent professional person-years, may be made. Funding for the second phase will be contingent upon the evaluation of the results from phase one.

Deadline: Proposals must be received by 5:00 PM, E.S.T., January 22, 1974. Proposals will be considered firm until June 15, 1974.

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

## The Ford Foundation Common Problems Research Competition

NO. FY74-48

### Objective

The purpose of the competition is to widen the scope of research in the United States and Canada for projects on the theme of Common Problems of Advanced Industrial Societies by incorporating data and experience from Europe -- including Eastern Europe and the USSR -- Canada, and other industrial societies, including Japan and Australia. Fields in which projects might be presented include: urban affairs, social welfare and security policies, ethnic conflict, environmental affairs, natural resource policy, labor relations, regional issues within nations, and the administration of justice. Comparative research on governmental performance and decision-making processes, even when not focused on one specific set of problems, are also relevant. Projects may be multidisciplinary or limited to a single disci-

pline. Competition is open to faculty in the social sciences and the humanities. The program is not a program of small grants to individual faculty members, but is designed to encourage groups of scholars to undertake coordinated attacks on research problems with cross-national dimensions.

### Requirements

Proposals will be reviewed by Foundation officers and outside consultants with a view to selecting applications considered most likely to make an original contribution to knowledge. Applicants are requested to submit the following: 1. A one-page summary of the proposal, including the title, specific research objectives, and a description of the source of materials to be used. 2. Names, qualifications, and publications of the researchers, and of other participants. 3. A statement as to how the research relates to other research in the same field, and what new knowledge is likely to result from the project. 4. A detailed budget which includes a list of salaries and personnel benefits of the investigators, support needed for travel and other expenses, and information concerning financial support from the home institution and other sources.

Applications exceeding \$150,000 over three years will require special justification. Only one application will be considered from any one university. Applications should be accompanied by a statement signed by the project leader and the appropriate administrative officer, certifying that the terms are correct and conform to the practices of the institution.

### Submission

Applications must be submitted prior to February 1, 1974, in four copies, addressed to:

Common Problems Research Competition  
European And International Affairs  
The Ford Foundation  
320 East 43rd Street  
New York, New York 10017

### 1972 Winners

#### Emory University

International comparative study of patterns of urban change and quality of life

#### Princeton University

Cross-national study of mental health programs

#### Massachusetts Institute of Technology

Study of economic dualism and the sources of inequality in advanced industrial societies

#### Rutgers University

Comparative study of social control of adolescent misbehavior in advanced industrial societies



Carnegie-Mellon University

Cross-national comparative study of criminal justice systems

University of California at Los Angeles

Study of urban performance in advanced industrial societies

University of Florida

Study of ways to improve the problem-solving capabilities of local communities

University of Mississippi

Comparative analysis of post-World War II drug costs, benefits and funding in public health programs of Britain, Sweden and the United States

City University of New York

Study of industrial and labor policies in Western Europe

University of Illinois

Study of educational policy-making in industrialized societies

Northwestern University

Study of the role of disaggregate data structures in urban planning and research

Ohio State University

Study of social class and subnation

University of Montreal

Study of public administration and the socio-ecological challenge

The S & H Foundation, Inc.  
Lectureship Program 1974-1975

NO. FY74-49

Objective:

The Lectureship Program, in the fields of public affairs and the social sciences, has a dual purpose: first, to enrich established undergraduate and graduate curricula by bringing public and scholarly experts into direct and informal contact with faculties and students; and second, to extend and strengthen the influence of the sponsoring school, through its constituency and the nearby community, by the presentation of at least one public lecture by each distinguished visitor.

Proposals:

Persons formulating a proposal should bear in mind the guiding philosophy that underlies the Lectureship Program. The lectures are intended not only to have educational value in themselves, but also to focus public attention on the colleges and universities presenting them. Therefore, the public character of the lectures should be clearly defined.

To ensure full consideration, proposals should also include: 1. an outline of the proposed program; 2. possible speakers to participate; 3. brief identification of speakers and their topics; 4. a schedule of their visits, including those lectures to which the general public is invited without charge; 5. a breakdown of the budget for the amount requested. It is understood that this information will be tentative.

It should be shown that the program is feasible and there is adequate machinery for its implementation. Grants are administered entirely by the institutions. No application form is supplied, and only one copy of a proposal is required. Costs of publication should not be included.

Awards:

Geographic balance is sought. The maximum annual award is \$2,000.

Program for 1974-75

Proposals must be received by April 15, 1974. Awards will be announced by June 30, 1974. Only one proposal can be submitted. For further information, contact the Office of Research and Sponsored Programs, extension 7378.

## Graduate School

### National Research Council 1974 Postdoctoral Research Associateship Programs

NO. FY74-GS11

The National Research Council announces the 1974 Research Associateship programs. These programs provide opportunities for research in selected federal organizations for postdoctoral scientists and engineers. The laboratories are well equipped and have excellent staffs. Through the Associateship programs the research facilities are made more widely available to the scientific and engineering community. At the same time, the able scientists and engineers who receive the appointments make significant contributions to the general research effort of the laboratories.

These Associateships are open to recent recipients of the doctorate and in some cases to senior investigators. Certain programs are also open to non-U.S. citizens.

For 1974, NRC Research Associateships are available in the Biological, Medical and Behavioral Sciences; the Chemical, Engineering, Mathematical and Physical Sciences; and in the Atmospheric, Earth and Space Sciences.

The closing date for applications is January 15, 1974, except for the program with the National Aeronautics and Space Administration which has two additional closing dates.

Additional information and applications materials are available from:

Office of Scientific Personnel  
Associateship Office  
National Research Council  
2101 Constitution Ave.  
Washington, D.C. 20418

## The Ford Foundation Doctoral Dissertation Fellowships in Women's Studies

NO. FY74-GS12

The Ford Foundation has announced the continuation of the Doctoral Dissertation Fellowships in Women's Studies for the 1974-1975 academic year. The Program is now being administered by the Woodrow Wilson National Fellowship Foundation. For further information, write to: Doctoral Dissertation Fellowships in Women's Studies, Woodrow Wilson National Fellowship Foundation, 32 Nassau Street, Princeton, New Jersey 08540.

## Resources for the Future, Inc. (RSF) Annual Doctoral Dissertation Fellowships in Natural Resources 1974-1975

NO. FY74-GS13

### Purpose:

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

### Eligibility:

1. Fellowship candidates must be nominated by the academic department in which the student is a doctoral candidate. Direct applications are not accepted. Nomination forms for submission are supplied only to the chairmen of eligible departments. A department may nominate more than one candidate.

Institutions in the United States or Canada that offer doctoral degrees may nominate candidates. Consideration for nomination should be without regard to whether a student is currently in residence.

2. Nominees must have completed all requirements for the doctorate except the dissertation before the start of the 1974-75 academic year.

3. The research proposed by the candidates must relate to natural resources, their products, or their services, including land, water, minerals, energy materials, forests, outdoor recreation, fish, wildlife, and air, or any combination of these. It must involve the social sciences or related fields of study, such as economics, economic history, economic geography, business administration, political science, political history, political geography, public administration, planning, sociology, statistics. Interdisciplinary research involving the application of more than one social science or the combination of social science with physical, biological or engineering science are appropriate. If the study is in the field of agriculture, it should focus on the natural resource characteristics of land and water rather than on agricultural commodities or the problems of individual farm enterprises.

### Duration:

The fellowship tenure period will be the regular 1974-75 academic year, consisting of two semesters or three quarters. RSF does not grant additional funds to extend awards beyond their specified period.

### Amount:

The basic fellowship stipend is \$4,000. A dependency allowance of \$500 is provided for married fellows with children and an additional allowance may be available to cover modest incidental research expenses. Requests for foreign travel will be considered unusual and may be acted upon favorably only where clearly necessary for the collection of primary data, and only for limited periods of time.

Payment is made by a grant to the nominating institution.

### Closing Date:

Nominations must be received by February 1, 1974.

### Notification:

Nominees will be notified on or about March 15, 1974 of the results of the competition. Fellowship selections will be made with the assistance of an advisory committee of professors. Approximately ten awards will be made.

Application forms for interested, eligible Notre Dame applicants are available in the Graduate Office, Room 316 Administration Building.

## Indiana House of Representatives Intern Positions

NO. FY74-GS14

Position: Intern to the Majority Caucus  
(10 positions available)

Requirements: College junior or senior,  
college graduate or graduate  
student.

Salary: \$50.00 per week.

Description: Full time position during  
the 1974 legislative ses-  
sion. Each intern will  
staff one or more House com-  
mittees and will assist the  
committee chairmen, the ma-  
jority committee members,  
and the existing House com-  
mittee staff in the daily  
committee business.

Duration: Immediately prior to and  
through the 1974 legisla-  
tive session. Tentative  
dates: January 7, 1974--  
March 15, 1974.

Please send letter of interest to:

The Honorable Kermit O. Burrous  
Speaker of the House  
Indiana House of Representatives  
State House  
Indianapolis, Indiana 46204

Qualified candidates will be notified and per-  
sonal interviews will be arranged.

## Current Publications And Other Scholarly Works

ARTS AND LETTERS  
HUMANISTIC AND SOCIAL STUDIES

### Art

Lauck, Anthony J., CSC

A.J. Lauck, CSC. 1973. Review. Collec-  
tors are special people. South Bend  
Tribune, Michiana Section.

A.J. Lauck, CSC. 1973. Collectors are  
special people. Benefactors Show, Uni-  
versity of Notre Dame.

A.J. Lauck, CSC. 1973. One man show. 23  
sculptures. 16 drawings. Exhibited at  
University of Notre Dame Art Gallery,  
Notre Dame, Indiana.

A.J. Lauck, CSC. 1973. One man show. 26  
sculptures. 16 drawings. Exhibited at  
University of Notre Dame Art Gallery,  
Notre Dame, Indiana.

Kinsey, Douglas

D. Kinsey. 1973. One man exhibition: 23  
recent oil paintings. Alms Gallery,  
University of Cincinnati, Cincinnati,  
Ohio. September 25 to October 11, 1973.

D. Kinsey. 1973. One man exhibition: 18  
recent oil paintings. Runyan Center,  
Earlham College, Richmond, Ind. October  
13 to November 4, 1973.

Stevens, Richard

R. Stevens. 1973. St. Joseph Hospital  
photographs. Brochure. May, 1973.

R. Stevens. 1973. Photograph. Beach  
scene. Fort Wayne Museum of Art.  
February, 1973.

R. Stevens. 1973. Cover photograph of  
Notre Dame. South Bend Phone Directory.  
April, 1973.

### Economics

Brown, Kenneth M.

K.M. Brown and C. Zech. 1973. Welfare  
effects of announcing election forecasts.  
Public Choice Spring:117-124.

K.M. Brown. 1973. Welfare implication of  
congestion in public goods. Review of  
Social Economy 31:89-92.

Dugan, Dennis J.

D.J. Dugan and A. Corrazzini. 1973. In-  
come maintenance experimentation and  
poverty. Pages 122-129 in, D.J. Dugan  
and W.H. Leahy, editors, Perspectives on  
Poverty. Praeger Press.

D.J. Dugan and W.H. Leahy. 1973. The per-  
sistence of poverty. Pages 3-6 in, D.J.  
Dugan and W.H. Leahy, editors, Perspec-  
tives on Poverty. Praeger Press.

D.J. Dugan and W.H. Leahy. 1973. Poverty  
reconsidered. Pages 197-198 in, D.J.  
Dugan and W.H. Leahy, editors, Perspec-  
tives on Poverty. Praeger Press.

D.J. Dugan and W.H. Leahy. 1973. Editors.  
Perspectives on Poverty. Praeger Press.  
vi + 200 pp.

### English

Brzenk, Eugene J.

E.J. Brzenk. 1972. Christina Rossetti's  
"Up Hill" and "Down." Victorian Poetry  
10:367-372.

### General Program of Liberal Studies

Moore, Harold F.

H.F. Moore and R.C. Neville. 1973. The  
contours of responsibility: A new model.  
Man and World. 5(4):392-422.

### Government and International Studies

Che-Mponda, Aleck H.

A.H. Che-Mponda. 1973. Soul by name.  
Educational Media Service, Gary, Inc.  
40 pp.

Francis, Michael J.

M.J. Francis. 1973. The Allende victory:  
An analysis of the 1970 Chilean presi-  
dential election. University of Arizona  
Press, Comparative Government Monograph  
No. 4, Tucson, Arizona. 76 pp.

Reiter, Howard L.

- H.L. Reiter. 1973. Review of Charles Roll and Albert Cantrill's Polls: Their use and misuse in politics. The Social Studies. October:232-233.

### History

Chroust, Anton-Mermann

- A.-H. Chroust. 1973. Did Aristotle own a school in Athens between 335/34 and 323 B.C.? Rheinisches Museum fuer Philologie (West Germany). 115(4):310-318.
- A.-H. Chroust. 1973. Athens bestows the Decree of Prozenia on Aristotle. Hermes (West Germany). 101(2):187-194.
- Kerby, Robert L.
- R.L. Kerby. 1973. A note on Catholic Ecclesiologies: Ukrainian vs. Roman. Sophia. 3 (Autumn):3-5.
- Szczesniak, Boleslaw B.
- B.B. Szczesniak. 1973. Les cartes de Chine par Michel Boym. Etudes d'histoire de la geographie et de la cartographie. 87:141-146 pp.

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# Monthly Summary

## Awards Received

IN THE MONTH OF SEPTEMBER, 1973

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
College Engineering	Jerger	Deep sea engineering	U.S. Navy, ONR	50,742 1 yr.
Biology	Saz	Intermediary metabolism of helminths	Natl. Inst. Health	71,815 1 yr.
Civil Engineering	Morgan	Analysis of photographs of Union City tornado	U.S. Dept. of Commerce	8,995 ---
Microbiology - Lobund Lab.	Pollard	Development of germ-free ham- sters as biomedical resource	U.S. Army	59,104 1 yr.
Microbiology- Lobund Lab.	Wagner	Response of gnotobiotics to specified microbial floras	Natl. Inst. Health	49,916 1 yr.
AWARDS FOR FACILITIES AND EQUIPMENT				
Music	Cerny	Grant-in-aid	Leo Michuda and Son	2,000 ---
Music	Cerny	Grant-in-aid	Louis Sudler	200 ---
AWARDS FOR EDUCATIONAL PROGRAMS				
College Bus. Admin.	Murphy	Grant-in-aid	Proctor and Gamble Fund	2,500 ---
Chemical Engineering	Banchero	Grant-in-aid	Proctor and Gamble Fund	5,000 ---
Freshman Year Studies	Hofman	Frank Sullivan freshman year award	(Anonymous)	3,000 ---
Theology	McNeill	Grant-in-aid	Donald T. McNeill	5,000 ---
Architecture	Horsbrugh	Tuition scholarship	Keith Y.S. Kwoh	2,415 ---
Administration	---	Grant-in-aid	Proctor and Gamble Fund	5,000 ---
Marketing Management	Furuhashi	Grant-in-aid	Proctor and Gamble Fund	2,500 ---
SERVICE				
Marketing Management	Dow, Yeandel	Counseling and technical assis- tance to small business concerns	Small Business Admin.	2,500 4 mos.

## Proposals Submitted

IN THE MONTH OF SEPTEMBER, 1973

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
PROPOSALS FOR RESEARCH				
Biology	Saz	Energy generation in anaerobic mitochondria	(Through DPRD)	27,522 2 yr.
Microbiology Lobund Lab.	Pollard	Immunotherapy of neoplasms	Marion Cty. Canc. Soc., Inc.	8,500 1 yr.
College Engineering	Hogan	Wastewater treatment apparatus, phase V	Telecommunication Industries, Inc.	8,000 5 mos.

Chemistry	Martinez-Carrion	Substrate interactions with aspartate transaminase	Amer. Heart Assoc., Inc.	35,343
Chemical Eng.	Smith	Expanding jet phenomenon in Newtonian liquids	Natl. Sci. Fdn.	53,428
Center for the Study of Man	Liu	Utilization of Social Services in New York's Chinatown	Natl. Inst. Health	61,595
Biology	Saz	Anaerobic energy metabolism of heart muscle	Amer. Heart Assocn., Inc.	25,392

PROPOSALS FOR FACILITIES AND EQUIPMENT

Chemistry	Freeman	Research equipment	Natl. Sci. Fdn.	180,365
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PROPOSALS FOR EDUCATIONAL PROGRAMS

Collegiate Seminar		1974 Collegiate Seminar Summer Workshop	Uniroyal Co.	5,000
Aerospace Mechanical Eng.	Lucey	The energy crisis - What is it?	U.S. Atomic Energy Comm.	1,182
Student Affairs	Schlaver	Collegiate jazz festival	Natl. Endow. Arts	1,483
Aerospace Mechanical Eng.	Lucey	Workshop on electric power generation	U.S. Atomic Energy Comm.	25,479

## Summary of Awards Received and Proposals Submitted

IN THE MONTH OF SEPTEMBER, 1973

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$ 172,473	2	\$ 68,099	5	\$ 240,572
Facilities and Equipment	-	---	2	2,200	2	2,200
Educational Programs	3	12,500	4	12,915	7	25,415
Service Programs	-	---	1	2,500	1	2,500
Total	6	\$ 184,973	9	\$ 85,714	15	\$ 270,687

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$ 51,843	4	\$ 167,937	7	\$ 219,780
Facilities and Equipment	-	---	1	180,365	1	180,365
Educational Programs	3	7,665	1	25,479	4	33,144
Service Programs	-	---	-	---	-	---
Total	6	\$ 59,508	6	\$ 373,781	12	\$ 433,289

## Awards Received

IN THE MONTH OF OCTOBER, 1973

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
College Engineering	Hogan	Wastewater treatment apparatus, phase V	Telecomm. Ind., Inc.	8,000 5 mos.
Physics	Browne	Nuclear data compilation program	Natl. Acad. Sciences	15,830 1 yr.
Chemical Eng.	Kohn	Binary and ternary hydrocarbon systems CO <sub>2</sub>	Natl. Sci. Fdn.	30,800 1 yr.
Metallurgical Eng.	Fiore	Internal friction studies of controlled microstructure	Natl. Sci. Fdn.	47,400 2 yrs.
Chemistry	Hayes	X-ray photoelectron spectroscopy of heme compounds	Natl. Inst. Health	24,706 1 yr.
Radiation Lab.	Magee	Effects of radiation on matter	Atomic Energy Comm.	161,385 ---
Psychology	Ryan	Language attitudes of bilingual Chicanos	Natl. Inst. Health	29,864 1 yr.
AWARDS FOR FACILITIES AND EQUIPMENT				
Art	Mooney	Plasma light sculpture	Hamlin, Inc.	900 ---
AWARDS FOR EDUCATIONAL PROGRAMS				
Mediaeval Inst.	Blantz	History of the University	Harriss	4,000 ---
Law	McIntire	Joint training in environmental engineering and law	Environ. Prot. Agency	53,064 1 yr.

## Proposals Submitted

IN THE MONTH OF OCTOBER, 1973

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
PROPOSALS FOR RESEARCH				
Sociology	Smith	Decentralized community mental health treatment	Natl. Inst. Health	61,333 1 yr.
Philosophy	McMullin	Galileo's philosophy of science	Natl. Sci. Fdn.	16,454 7 mos.
Chemistry	Castellino	Structure-function studies on plasminogen and plasmin	Natl. Inst. Health	30,234 1 yr.
Metallurgical Eng.	Fiore	Heat exchanger alloy development	Rudy Mfg. Corp.	3,300 7 mos.
Finance Management	Lanser, Bernardo	Quantitative methods in business administration curricula	---	45,964 15 mos.
Mathematics	Matsushima, Nagano	Lie groups and differential geometry	Natl. Sci. Fdn.	42,500 1 yr.
Microbiology - Lobund Lab.	Wostmann, Pleasants	Antigenic stimulation in development of immune defenses	John A. Hartford Fdn.	305,553 3 yrs.
Mathematics	Stoll	Theory of several complex variables	Natl. Sci. Fdn.	26,563 1 yr.
Mathematics	O'Meara	Algebra	Natl. Sci. Fdn.	133,706 3 yrs.
Law School	Shaffer	A research and development project in law, phase II	Max C. Fleischmann	50,336 1 yr.
Aerospace Mechanical Eng.	Atassi	Unsteady aerodynamic forces on highly cambered airfoils	U.S. Air Force	31,285 1 yr.

Mathematics	Connolly	Algebraic and geometric topology	Natl. Sci. Fdn.	19,164 1 yr.
Microbiology - Lobund Lab.	Pollard	Electron microscopy studies of neoplastic lesions	Cancer Soc. St. Joseph Cty.	8,500 1 yr.
Microbiology - Lobund Lab.	Wostmann	Microbial effects in cholesterol metabolism	Natl. Inst. Health	27,678 1 yr.
Chemistry	Basu	Biosynthesis of globoside-related glycolipid in tumors	Amer. Cancer Society	34,875 2 yrs.
Electrical Eng.	Melsa	Sequential estimation methods for speech digitization	Def. Commun. Agency	76,998 1 yr.

#### PROPOSALS FOR EDUCATIONAL PROGRAMS

Geology	Murphy	Geology for Chicago teachers of earth science	Natl. Sci. Fdn.	56,289 13 mos.
Advanced Studies	Gordon	Doctoral Fellowship - Chemistry	Allied Chem. Corp.	6,325 4 yrs.
Mathematics	Borelli	Secondary mathematics instructional, improvement project	Natl. Sci. Fdn.	190,975 2 yrs.
Music	Isele	European tour by the University of Notre Dame Glee Club	---	7,111 3 wks.

### Summary of Awards Received and Proposals Submitted

IN THE MONTH OF OCTOBER, 1973

#### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	\$ 317,985	-	\$ ---	7	\$ 317,985
Facilities and Equipment	-	---	1	900	1	900
Educational Programs	1	53,064	1	4,000	2	57,064
Service Programs	-	---	-	---	-	---
Total	8	\$ 371,049	2	\$ 4,900	10	\$ 375,949

#### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$ 291,645	8	\$ 622,798	16	\$ 914,443
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	2	247,264	2	13,436	4	260,700
Service Programs	-	---	-	---	-	---
Total	10	\$ 538,909	10	\$ 636,234	20	\$1,175,143

## Closing Dates for Selected Sponsored Programs

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

Agency	Programs	Application Closing Dates
American Academy in Rome	Rome Prize Fellowships	December 31, 1973
American Council of Learned Societies	ACLS-SSRC Grants for Soviet Studies	December 31, 1973
	ACLS-SSRC Grants for East European Studies	December 31, 1973
East-West Center	East-West Center	December 15, 1973
Huntington Library and Art Gallery	Huntington Library Fellowships	December 31, 1973
Institute for Advanced Study	Mathematics and Natural Sciences	December 31, 1973
International Research and Exchanges Board	Ad Hoc Grants to Promote New Exchanges	December 31, 1973
Organization of American States	Organization of American States Fellowships Program	December 31, 1973
U.S. Office of Education	Child Service Demonstration Program	December 15, 1973
Wenner-Gren Foundation for Anthropological Research, Inc.	Richard Carley Hunt Memorial Fellowship (Postdoctoral)	December 31, 1973

# documentation

## Academic Calendar 1974-1975

### Fall Semester 1974

Aug. 24-26	Sat thru Mon	Orientation and Counseling for new students.
Aug. 27	Tuesday	Registration for all students.
Aug. 28	Wednesday	Classes begin at 8 a.m.
Sept. 1	Sunday	Formal opening of the school year with Concelebrated Mass. (Subject to change.)
Sept. 2	Monday	Labor Day (classes meet).
Sept. 3	Tuesday	Latest date for all class changes.
Oct. 11	Friday	Midsemester Report of Deficient Students.
Oct. 25-Nov. 3	Fr thru Sun	Midsemester Holiday begins after last class on Friday.
	(Note: Oct. 26 - Miami - home game, Nov. 2- Navy-away, Oct. 28-Veteran's Day, and Nov. 1-All Saint's Day included in vacation period)	
Nov. 4	Monday	Classes resume at 8 a.m.
Nov. 14-21	Th thru Th	Advance Registration for Spring Semester 1974-75.
Nov. 27-Dec. 1	Wed thru Sun	Thanksgiving Holiday begins at noon on Wednesday.
Dec. 2	Monday	Classes resume at 8 a.m.
Dec. 8	Sunday	Feast of the Immaculate Conception (Classes meet Monday, Dec. 9).
Dec. 13	Friday	Last Class Day.
Dec. 14-15	Sat and Sun	Study Days (no examinations).
Dec. 16-20	Mon thru Fri	Final Examinations (Grades due 48 hours after exam is given).

#### Class Meetings

MWF	43	TT	28
MW	29	TWT	43
MF	28	TTF	42
MTUW	43	TUF	28
MTT	42	TWF	43
MWTH	43		
MTH	28		
MTUF	42		
MTHF	42		

#### Number of Class Days

	Mon	Tues	Wed	Thurs	Fri	Total
Aug.	0	0	1	1	1	3
Sept.	5	4	4	4	4	21
Oct.	3	4	4	4	4	19
Nov.	4	4	4	3	3	18
Dec.	2	2	2	2	2	10
Total	14	14	15	14	14	71



## Spring Semester 1975

Jan. 13	Monday
Jan. 14	Tuesday
Jan. 15	Wednesday
Jan. 21	Tuesday
Feb. 10-14	Mon thru Fri
Feb. 17	Monday
Mar. 6	Thursday
Mar. 10-19	Mon thru Wed
Mar. 21	Friday
Apr. 1	Tuesday
Apr. 10-17	Th. thru Th.
May 6	Tuesday
May 7	Wednesday
May 8-13	Th. thru Th.
May 15	Thursday
May 17-18	Sat thru Sun

### Class Meetings

MWF	44	TT	30
MW	29	TWT	45
MF	29	TTF	45
MTUW	44	TUF	30
MTT	44	TWF	45
MWTH	44		
MTH	29		
MTUF	44		
MTHF	44		

Orientation for new students.  
 Registration Day.  
 Classes begin at 8 a.m.  
 Latest date for all class changes.  
 Enrollment reservations for the Fall Semester 1975-76.  
 (Payment of fee required.)  
 Washington's Birthday (classes meet).  
 Midsemester Reports of Deficient Students.  
 Room reservations for Fall Semester 1975-76.  
 Easter holiday begins after last class.  
 Classes resume at 8 a.m.  
 Advance Registration for the Fall Semester 1975-76 and  
 for the Summer Session 1975.  
 Last class day.  
 Study Day (no examinations).  
 Final examinations (Grades due 48 hours after exam is  
 given. No Sunday exams.)  
 Graduating student grades are due.  
 Commencement Weekend.

### Number of Class Days

	Mon	Tues	Wed	Thurs	Fri	Sat	Total
Jan.	2	2	3	3	3	0	13
Feb.	4	4	4	4	4	0	20
Mar.	3	3	3	3	3	0	15
Apr.	4	5	5	4	4	0	22
May	1	1	0	1	1	0	4
Total	14	15	15	15	15	0	74

# Minutes of the Academic Council Meeting

## October 29, 1973

The Academic Council met on Monday, Oct. 29, 1973 at 3 p.m. in the Center for Continuing Education.

### I. Announcements and Introductions.

Father Hesburgh started the meeting with some announcements and introductions:

1. Sister Rosaleen Dunleavy, C.S.C., and Dr. Bruno Schlesinger both members of the faculty at Saint Mary's College have been invited to attend meetings of this Council as observers from Saint Mary's College.
2. Dean Frederick Crosson and Dean Bernard Waldman will attend meetings of the Academic Council at Saint Mary's College as observers from Notre Dame.
3. Captain William O. McLean, Professor of Naval Science, will attend meetings of this Council as a non-voting observer representing the ROTC Programs. The Commanders of the three Programs decided they would like to designate the coordinator of the ROTC Programs as their observer; this position rotates among the services and this year is held by Captain McLean.
4. Mr. Richard Conklin, Director of Information Services, will again attend meetings of this Council as an observer and will again serve as information officer and liaison with the news media in behalf of the Council.
5. Mr. Christopher Nedeau, Student Academic Commissioner and ex officio member of the Academic Council, was introduced and asked to introduce the other student members of the Council.
6. All other members were asked to introduce themselves.

### II. Election of members to the Executive Committee of the Academic Council.

The following persons were elected as members of the Executive Committee for the year 1973-74:

Reverend David B. Burrell, C.S.C.  
Dr. Robert E. Gordon  
Dr. James L. Massey  
Dr. O. Timothy O'Meara  
Dr. Edward Vasta

Since the meeting Father Hesburgh has asked to serve as appointed members of the Executive Committee:

Dean Joseph C. Hogan  
Mr. Christopher A. Nedeau  
Dr. Robert W. Williamson

Father Brown, the Associate Provost, and Father Burtchaell, the Provost, are both ex officio members with the Provost serving as Chairman.

### III. Father Burtchaell's Report.

Father Burtchaell gave a report on Academic Administration. In this report he discussed such topics as: excellence of the faculty, faculty compensation, communication, coeducation, the Graduate School.

A detailed report, "Report from Academic Administration," adapted from Father Burtchaell's remarks is included as Attachment I to these minutes.

### IV. Suggestions, Questions, Discussion:

- 1) It was suggested that at this meeting it might be well to discuss procedures to be followed when the Report of the Committee on University Priorities (COUP) is discussed.

In response it was noted that COUP was appointed by the President and is not a Committee of the Academic Council. It is the responsibility of this Committee to report to the

President. The President intends to have the report published and to elicit response. It will be at the discretion of the Academic Council through its Executive Committee to decide if it wants to discuss the report. There will be adequate time to discuss it if the Academic Council wishes to do so. Father Hesburgh expressed the opinion it would be better to get the report out first to the whole University community: students, faculty, alumni, parents, trustees. Later he may want to categorize some or all of the reactions and bring them to the Academic Council. There are some recommendations in the report that will eventually have to come to this body but we should delay discussion for a few months so that all may react to the report.

2) The Consulting Policy as published on page 47 of the Faculty Handbook for 1973-74 occasioned some questions and discussions. It was stated that the sentence, "Activities covered under this policy include all types of endeavor for which the faculty member is compensated over and above his normal compensation from the University," contained some ambiguities and is based on some presuppositions, e.g., that the University has unlimited claim to faculty time. There are questions about the contract period; suppose the contract is for twelve months. The policy seems to require permission to do certain academic work, e.g., publishing if it is to produce royalties. The policy also affects the faculty contract and to this extent should be discussed by the two parties.

In response: it was noted the policy has existed for many years. The University contracts for the full-time service of the faculty member who is full-time. It is understood this is a claim on all such services that the person gives. However, the University allows and encourages endeavors that are not in competition to our endeavors but an enhancement of our activity. For pragmatic reasons the policy statement is limited only to those activities for which compensation is given. Perhaps "consulting" is not the best title. The attempt in formulating the policy was to achieve some kind of consistency in the application of the policy. The policy is intentionally mute on the subject: doing research requires signing the patent policy but no one has pushed the question of royalties for a book or income from selling works of art. We will just have to try to learn from experience.

Further questions and objections were raised: why was a policy that has to do with employee and employer relationships not discussed in the Academic Council? It was stated in reply that the University has the obligation to represent its claim as employer on the employee. The principle behind the policy is clear; this practice will have to be worked out on the departmental level. Actually the practice is clearer than the principle. The facts are that serious problems do arise. There are faculty members who are seriously depriving students of their services and the Chairmen have had no way of knowing what is going on. The problem is the product of abuse. What the policy is trying to do is say we would like to have you full-time; if you are doing something else we would like to know about it.

In conclusion it was agreed at Father Hesburgh's suggestion that we let the policy stand as it is; try it for a year and see how it works.

#### V. Lists

The list of members of the Academic Council for the year 1973-74 and the list of members of the Executive Committee for the year 1973-74 are included as Attachments II and III to these minutes.

Respectfully submitted,

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

## Attachment I

### Report From Academic Administration

(Adapted from remarks made at a meeting of the Academic Council on Oct. 29, 1973.)

For some time now we have wanted to introduce into the annual cycle of the Academic Council one meeting when we would not have to deliberate and resolve upon policies or legislation, but would simply consider and discuss the state of the University. One of the most important services that the Academic Council can render is to provide the group to which the academic administration can and should report internally. As Father Hesburgh has mentioned, we should like to improve internal accountability at the University. Furthermore, it is always good to clarify the types of work that groups can do best and those which individuals should do. Administrators do carry a considerable amount of responsibility. It is not always expedient for a university to transfer that responsibility in its entirety to participatory decision making. But it is good for individuals who exercise responsibility to give an account of their stewardship from time to time, and that's what we should like to do this afternoon.

My remarks will tend to look back over the last three years. This period follows an academic reorganization of our administration and is the period for which I am most answerable. But there are other respects in which it is not an inappropriate time span. 1970 marked a very severe turning point in student concern and mood, and we in our turn have all been affected by that. Also it was an important turning point in the financial history of the University since it brought to an end the series of deficit years and introduced us into a period which thus far has managed to remain in the black.

During these past three years our primary concern in the academic offices has been the excellence of the faculty at the University. Our priority beyond all others has been to assure that Notre Dame would have an increasingly excellent faculty, since it is the faculty more than any other single feature or factor which makes the difference between a good university and a great one. Our first major venture in this area was in the fall of 1971 when we proposed a series of procedures for our appointments, tenure and promotions process. Our main concern was to have those who held responsibility for decision making in this area be as thorough and deliberate as possible. Let me review some of the changes that have been introduced.

First of all, candidates are explicitly invited to offer credentials and comments on their own behalf. This, of course, is always the case at the time of an original appointment, but we had found that often enough a candidate could be considered for reappointment, or promotion, or tenure with no opportunity for a hearing or for self-evaluation. This explicit requirement is now part of our process so that every candidate is invited to offer in written or oral form a supporting account of his service at the University.

Secondly, in the belief that the records of deliberations within departmental committees should be more thorough and that these deliberations should have maximum impact on those who must review them, we asked that minutes of the meetings of the committees on appointments, tenure and promotions should be drawn up and approved by all who have taken part, so that they can serve as a certified record of the reasons which led to recommendations.

Thirdly, we asked departments to undertake the responsibility to review seriously the research and publications of any faculty member being considered for promotion to senior rank. In the case of tenure decisions or promotion to full professor, this review should extend even beyond the University for an outside evaluation.

Fourthly, we noticed an anomaly which is current throughout the field of higher education. At Notre Dame and elsewhere it is a commonplace that the first duty of faculty is stated to be in the area of teaching. Yet that principal task has never been evaluated by the only constituency which witnesses it being carried out: the students. Therefore we introduced student evaluations into courses throughout the University, taking as our cue the evaluation instrument which had been developed in the College of Arts and Letters, and refining it through two reviews by faculty committees. We expect that the evaluation form and process will be in need of continual review and improvement. There is, however, accumulating around the country quite a body of knowledge on this subject of student evaluation of courses and teachers. We have asked committees in each department, not

simply to recount the statistics emerging from this evaluation, but to comment on them. A further benefit from these evaluations, perhaps equally important, is the growing custom of chairmen reviewing them with individual faculty members. This too should result in heightened consciousness of excellence in teaching.

Along another line, we asked the Academic Council to lengthen the notice period for probationary faculty and that has accordingly been done. We have now a notice period of twelve months rather than six for most faculty ranks. Also, we formalized the committee which advises the Provost in the decision-making process regarding faculty appointments and that committee is now incorporated into our Academic Manual.

All of these procedures enumerated above have, as far as we understand, resulted in a more deliberate and well monitored process for faculty appointments, tenure and promotions. The experience in the various departments of the University shows that these have been taken seriously and that faculty members have received the most thorough consideration and evaluation in our history.

Another major concern at the University has touched upon the problem of tenure. After considerable consultation with the chairmen and the deans, lasting for many months, in September of 1971 the administration expressed the belief that Notre Dame was facing a severe problem not unlike that existing in most universities and colleges in the land. The pace at which the University had conferred tenure upon its faculty members in the past had been obscured by the fact that there was high mobility from institution to institution throughout the country, and that our faculty was expanding at a rate which always left tenured members slightly in the minority. We anticipated, however, a change in those two very important factors. There would be a decrease in faculty mobility and an end to constant annual faculty expansion. We anticipated that if we took no cautious measures we should soon see all our departments literally 100 per cent tenured. Departments so impacted would lose all flexibility. They would be unable to take in younger colleagues and would lose touch with whatever changes in the disciplines were occurring in the major graduate schools. Furthermore, as student interest shifted from discipline to discipline the University would be unable to transfer faculty positions from underutilized departments to those which bore an abrupt increase in teaching responsibilities. Granted a relatively stable number of faculty we would be unable, without great anguish and the repudiation of tenure commitments, to transfer faculty into those areas where the heaviest burdens would fall. Therefore, in an attempt to keep a constant amount of opportunity in the University for junior faculty, we formulated an administrative policy that no department in the University should safely have more than two-thirds of its members on tenure.

Naturally this was not received with universal approbation. However, it initiated a great deal of beneficial public discussion. Subsequently, there have been a number of events on the national scene that have drawn further attention to this very problem. In the four year period, for example, from 1968-69 to 1972-73, the proportion of tenured faculty members in American colleges and universities rose from 46.7 per cent to 64.7 per cent, an 18 per cent rise in four years. A national commission was appointed jointly by the American Association of University Professors and the Association of American Colleges. The Keast Commission (Professor Keast of the University of Texas serving as chairman) published its report in the spring of this year (Faculty Tenure, Jossey-Bass). In the Keast report there are thirty-seven recommendations which could apply to Notre Dame. Of these we already have procedures which conform to twenty-nine and are already partly conformed to two others. I might add that twenty-three of these twenty-nine have been instituted within the last four years. Of the six remaining recommendations, it may be possible for Notre Dame to adopt most if not all of them. The administration noted particularly that the Commission explicitly recommended a tenure quota of one-half to two-thirds of the faculty, conforming exactly to the limits which we thought reasonable and necessary here at Notre Dame. Subsequent to the publication of the Keast report, the national AAUP has commented upon it at some length. Those who read the statements in the summer and autumn issues of the AAUP Bulletin may note that while there is a good deal of criticism of the notion of tenure quotas, there are no realistic solutions offered to the problems with which the quotas are designed to cope. Undoubtedly the tenure quotas present difficulties to younger members presently making their way through the ranks of the teaching profession. Their intention over the long run, however, is precisely to provide access to the profession in the indefinite future, an access which events were on their way to destroying.

Other changes too have contributed to the increasing excellence of our faculty. Departments have been encouraged to award supported leaves of absence to their faculty at a regular annual rate. The opportunity for leaves of absence with internal support had always been there, but it was noticed that a number of departments were receiving few requests from their faculty to take advantage of this opportunity. Since compiling quotas for the various departments, we are pleased to note that there is a marked increase in the number of faculty who are taking advantage of these times for intellectual refreshment. We are presently attempting to secure endowed funding whereby the University can offer even further support to faculty members on academic leave.

Another concern of ours has been for the need for a professional code of ethics for the faculty. One of the suggestions of the Committee on Campus Honor, chaired by Dr. Vasta, has been that there ought be codes of honorable conduct for the various professional constituencies at the University. Other learned professions have, by custom, adopted professional codes of ethics, and the administration has several times encouraged the Faculty Senate to consider drawing up such a code. This might be a project to return to this year, and it may be that the Academic Council may wish to address itself to this project.

Now I should like to turn to an item of major concern to everyone, a concern vitally related to the excellence of faculty at the University: the matter of faculty compensation. As has been said before, the topic of faculty compensation always presents us with a paradox: Notre Dame must marshal all possible resources to secure the most excellent faculty possible; yet we seek as faculty those scholars who have other reasons than money for having chosen the academic profession and Notre Dame. The latter limb of the paradox obliges us to care for those other values which make Notre Dame attractive, but in no way relieves us of the duty to make financial compensation here as competitive as we possibly can.

I should like to review our situation as regards faculty compensation, updating an earlier report that included comment on this subject ("Economic Report to the Faculty," 1971-72 NDR 11, 175-181).

We have been proceeding on several principles. First competitive faculty compensation has been our first and most pressing priority in budget-making. In order to keep salaries and benefits on the rise, even during the years when the most affluent universities in the country were freezing wages or rolling them back, we chose to leave administration ranks thin, and have in some academic units chosen to have fewer faculty. A second principle has been to increase fringe benefits. (See Figure I). Since most benefits must be funded from the same budgetary source as salaries, benefits and salaries are convertible, and it is an open choice how much of the total compensation package should be in either category. In recent years we have shifted a considerable portion of new compensation from salaries to benefits. This came partly in response to presentations made from within the local chapter of AAUP, which in this instance seemed accurately to reflect the preferences of most faculty members. Also, since benefits are paid in non-taxable dollars, they represent an added gain to the average faculty member of about 25 per cent. Also, there is a third and more specific reason why we have augmented fringe benefits. Academics do not generally look forward to affluence. While our relative position in society has considerably risen since World War II, a life in the service of higher learning is not generally going to allow for surplus savings. This subjects faculty to certain major expenses that could occasionally overwhelm their ability to cope. The principal extraordinary financial burdens a teacher worries about are medical expenses, disability of the wage-earner, and college tuition for his children. It has been our belief and policy that if these especially costly eventualities could be provided for, the situation of our faculty would be relieved of considerable stress.

These have been our operating principles. What has come of their interaction with our operating funds?

First of all, we have steadily added to the package of fringe benefits available. A review of these is appropriate.

#### Federal Insurance Contributions Act (Social Security)

Faculty first became eligible for this benefit in 1951 on a voluntary basis. Shortly thereafter a faculty member's contribution became mandatory. The University's (employer's) contribution rate in 1951 was 1 1/2 per cent on the first \$3,600 in salary paid or \$54.00 annually. Both the contribution rate and taxable salary limit have increased substantially over the years. For the calendar year 1973 the rate is 5.85 per cent on the first \$10,800 or \$631.80. For 1974 the rate is scheduled to be 5.85 per cent on \$12,600 or \$737.10.

#### Retirement Income Plan (Teachers Insurance Annuity Association)

The University provided retirement pension coverage to the faculty in 1947 on a contributory basis: Notre Dame paid in 5 per cent of the faculty salary and the faculty member 5 per cent. This continued until September 1, 1964 when Notre Dame paid 5 per cent on the first \$4,800 and 6 per cent on the balance in excess of \$4,800. The faculty member contributed a straight 5 per cent.

Notre Dame's contribution bases have generally followed the salary taxable for social security purposes each year. In 1966-67 the University contributed 5 per cent on the first \$6,600 and 10 per cent on the balance. In January 1973 Notre Dame was contributing at the rate of 5 per cent on the first \$10,800 and 10 per cent on the balance.

A faculty member's contribution has remained at 5 per cent.

#### Major Medical Insurance (T.I.A.A.)

This coverage was provided to all full-time faculty members starting April 1, 1963, the full premium being paid by the University. The plan offers a maximum benefit of \$25,000 on a co-insurance basis (80 per cent - 20 per cent) after the University's basic hospitalization-surgical plan coverage is exceeded by \$100. The University's cost for this benefit is \$47 per year for each faculty member on a family plan, and \$19 per year for each single faculty member.

#### Group Hospitalization-Surgical Insurance (Blue Cross-Blue Shield)

On July 1, 1972 this benefit was provided to the faculty by the University at no cost to the faculty member. Prior to this date the full cost of this basic medical insurance was borne by each faculty member individually. Cost to the University for this coverage is \$500 per year for each subscribing faculty member on the family plan and \$188 per year for each subscribing single faculty member.

#### Total Disability Income Protection Plan (T.I.A.A.)

This benefit for faculty members commenced September 1, 1972 with the University paying all the cost for this coverage. All current faculty under the age of 64-1/2 years at the inception date were covered. New faculty members are required to be employed one year at the University before they become eligible. Cost to the University for this coverage is \$77 per year for each faculty member enrolled in the T.I.A.A. Pension plan and \$60 per year for each faculty member not enrolled in the Pension plan.

#### Educational Benefits for Faculty Children at Notre Dame

Sons of full-time faculty attending Notre Dame had been eligible for many years for University grants-in-aid, under which two-thirds of the tuition was remitted with the faculty member required to pay the remaining one-third. In September 1966, the grant-in-aid was increased so that an eligible faculty son received complete tuition remission in his freshman year and the same benefit in his remaining three upperclass years provided he held a 12 hour a week student job in the latter three years. Daughters became eligible for this benefit in September 1972 when the University became coeducational.

#### Notre Dame College Tuition Scholarship Plan

Originated in August 1968, this plan provided payment not to exceed \$500 in tuition annually for each child of a tenured faculty member enrolled in an accredited institution of higher learning. In July 1969 the tuition payment limit was raised to \$1,000 annually. In April 1970 the eligibility of faculty members was changed to include: tenured faculty; all full professors and associate professors with three years service at Notre Dame; and all assistant professors with six years of service at the University.

#### Group Life Insurance (Travelers Life Insurance)

Group life insurance coverage was first made available to the faculty in 1939. For the regular faculty member, insurance coverage was \$5,000; for department chairman, \$10,000; and for deans, \$15,000.

On October 1, 1966, the group policy was changed to give insurance coverage at one and one-half times the faculty member's annual salary. Thus, a faculty member earning \$16,000 per year would have life insurance coverage of \$24,000. When this change was made in the group policy, total coverage (including staff) jumped from \$6 million to \$11 million. The faculty member pays \$7.20 per thousand annually for this policy. The University has contributed recently at the rate of \$2.16 per thousand annually.



### Unemployment Compensation

The University by law was made subject to the payment of unemployment compensation for its employees on January 1, 1972. The estimated cost to the University per faculty member is \$7.70 annually. Notre Dame elected to "self insure" as the means for funding its obligations under the law. Actual claims paid to faculty in the first fiscal year (July 1, 1972 to June 30, 1973) were \$3,365.

### Workmen's Compensation Insurance (Royal Guard Insurance)

The University's financial responsibility in this area is provided for by insurance coverage and is required by law. Estimated cost per faculty member is \$32.40 annually.

This year we have several new fringe benefits to announce. The University is now insuring all faculty members against loss of life or limb while engaged in travel for professional purposes. This policy provides benefits of up to \$100,000. Also, this is the first year during which our new Policy on Child-bearing Leave will be in force. This policy has been elaborated after study of similar policies around the country, and we know of none that is more liberal than Notre Dame's. In addition to the ordinary provisions for medical disability that may attend pregnancy or delivery, faculty members are assured an automatic three weeks leave with pay for delivery of a child, and have a claim upon a full semester's leave without pay if they so choose. Pregnancy also allows for the lengthening of the probationary period before tenure.

A third enlargement of fringe benefits concerns disability. The University's Leave of Absence policy provides for a period of six months with full pay, after which the disabled faculty member becomes eligible for support through our special insurance policy. Although at this point his faculty appointment terminates, there are ongoing financial needs which could not reasonably be met from disability income. Consequently the University has decided to provide, for the duration of total disability, the following benefits: Group Hospitalization-Surgical Insurance (Blue Cross-Blue Shield), Major Medical Insurance, Life Insurance payments (after age 60 since they are already paid by Disability Insurance if disability occurs before age 60), Educational Benefits for children at Notre Dame and elsewhere (NDCTS Plan), and Library and Athletic ticket privileges. This will, we believe, go far to enabling a faculty member to continue to provide for his family even if stricken by physical calamity.

Now let us look at the overall compensation situation at Notre Dame. All figures that I shall give in this respect are provided by the Office of the Dean of Administration, and are drawn either from official AAUP reports, or from our own records based upon reporting procedures developed for national use by the AAUP.

Our total compensation (reckoned on a nine-month basis) continues to stand above the national average, as it has done for 14 consecutive years (see Appendix I, Figures 2 and 3). During the last year reported, 1972-73, comparative compensation figures were as follows:

Table A

Average Compensation: Academic Year 1972-73  
National Average Compared with Notre Dame\*

Rank	National Average	Notre Dame
Professor	\$22,237	\$22,438
Associate Professor	16,771	17,398
Assistant Professor	13,890	14,180
Instructor	11,136	11,201

\*National average represents AAUP figures for 1242 institutions reporting.

(See Figure II)

But we are not competing financially with all national four-year institutions: our peer institutions are the research universities, and in last year's AAUP reports Notre Dame ranked in the 40-50% decile. There is clearly room for much improvement here. (See Figure III).

Another way that we might review the compensation situation here at Notre Dame is to compare the annual increase in average compensation with the offsetting inflation factor, calculated according to the Consumer Price Index. According to this study, Notre Dame's faculty compensation has advanced well ahead of the CPI during the last decade, with the exception of two years, the present year being one, due to an abnormally low increase in compensation, and a soaring CIP. (See Figure IV).

The foregoing data all refer to overall averages in our compensation scales. They do not serve as a gauge of the compensation increases of individual faculty members, since each member not only benefits by a general rise in the scales, but by seniority and promotion also improves his own standing within those scales. Thus our reported averages understate the pay position of individual faculty. For the past few years the national AAUP report has sought data on the annual increase of "continuing faculty," recording the actual increase of compensation for those who stay on from one academic year to the next. According to this reckoning, Notre Dame faculty who were here in 1970-71, and are now here in 1973-74, received a cumulative compensation increase of 19.84 per cent over the three year period. This represents a salary increase of 15.10 per cent and a benefits increase of 39.27 per cent.

Another important way of reporting faculty compensation is to reckon how much each faculty member receives from Notre Dame, not simply on a nine-month basis (as reported to AAUP), but through the course of the 12-month year. If we count in all 12-month salaries, and all teaching and research salary paid during the summer months, last year the average faculty member at Notre Dame received from the University a compensation of \$19,523. It is worth noting that according to a confidential survey of parents of Notre Dame students carried out recently we have reached the point now where the annual compensation of the average faculty family is on a par with that of the median student family, a situation which certainly did not obtain in the past.

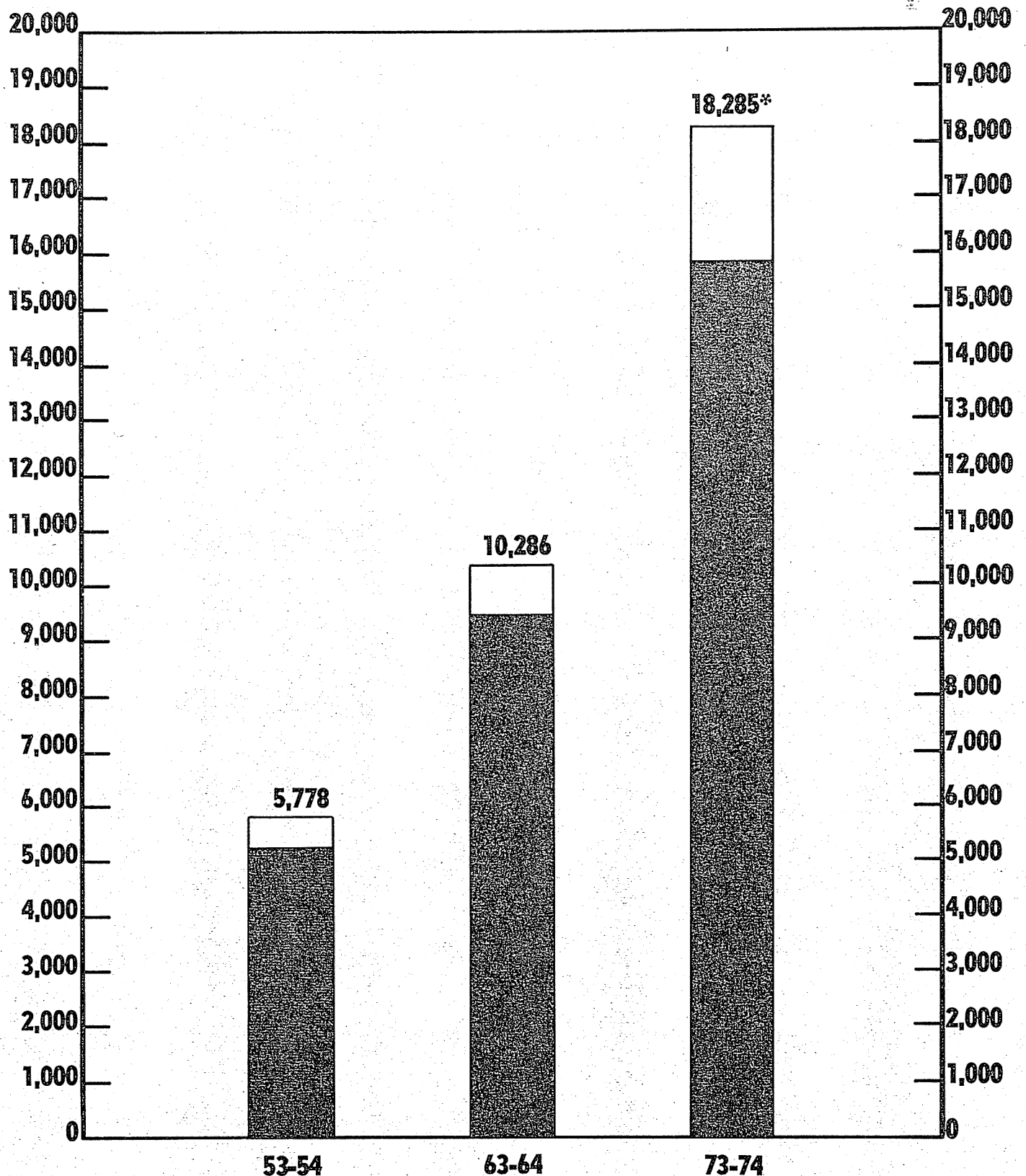
What conclusions might one draw from this review? For years college professors were an exceedingly underpaid group, certainly the most underpaid among professionals except for clergy. Since World War II, and especially since 1960, their compensation has been increased at a rate so much in excess of most other professions that their relative position in society has distinctly improved. All observers of the scene, however, warn that after more than a decade of annual increases of 7 per cent or more, we must look forward to years when the raises average out at not much more than 3 per cent. This may be an overly lugubrious forecast, however, and present inflation would more than engulf such increases.

At Notre Dame faculty compensation is considerably more comfortable than it was, but we can not begin to compete financially with those universities we consider our academic peers: the Big Ten, the better research universities, the heavily endowed schools. We must press forward to raise compensation. We expect that increases in the next years will tend to be more in salaries than in benefits, since we have come almost to the end of a program of enlarging fringe benefits, which this year augment the salaries of all four faculties by 15.3 per cent.

But how can we raise compensation in any dramatic way? Our major source of income is tuition and fees, and as I have pointed out, students themselves come from families which, on the average, are not marked by signal affluence. Simply to finance a 5 per cent raise in academic compensation next year, for instance, would require a 5.8 per cent increase in tuition for all students, leaving nothing to pay for all those other increased expenses of maintenance, travel, supplies, utilities, fund raising, etc. And if we price ourselves beyond the reach of intellectually superior students, then we run the risk of being better paid to teach less capable people. (Also, see the comparison between number of teaching faculty and total teaching load, Figure V).

The Committee on University Priorities will have some important things to say about how we are to sail through these narrow straits. I am satisfied here simply to point them out, and to re-emphasize that increased financial compensation for our faculty is our greatest single budgetary priority, that present pay levels are good but not nearly good enough, that we have established a vastly improved benefits package, and that the most meticulous and yet forceful financial management is going to be needed if we are to make the improvements we are committed to.

Figure I



AVERAGE FACULTY SALARY  
AND COMPENSATION — N.D.

\*—ESTIMATED

COMPENSATION

FRINGE

SALARY

KEY



Figure II

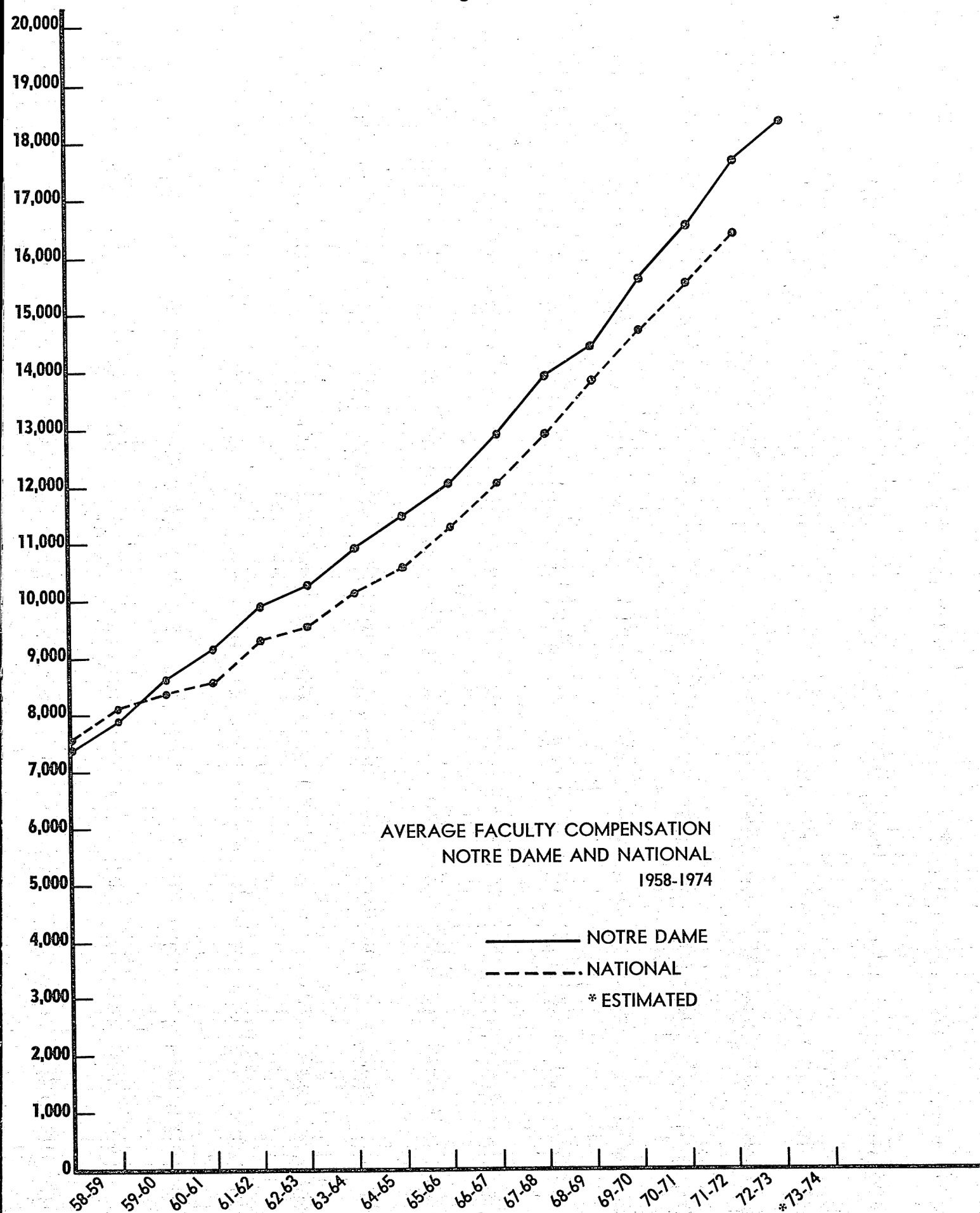


Figure III

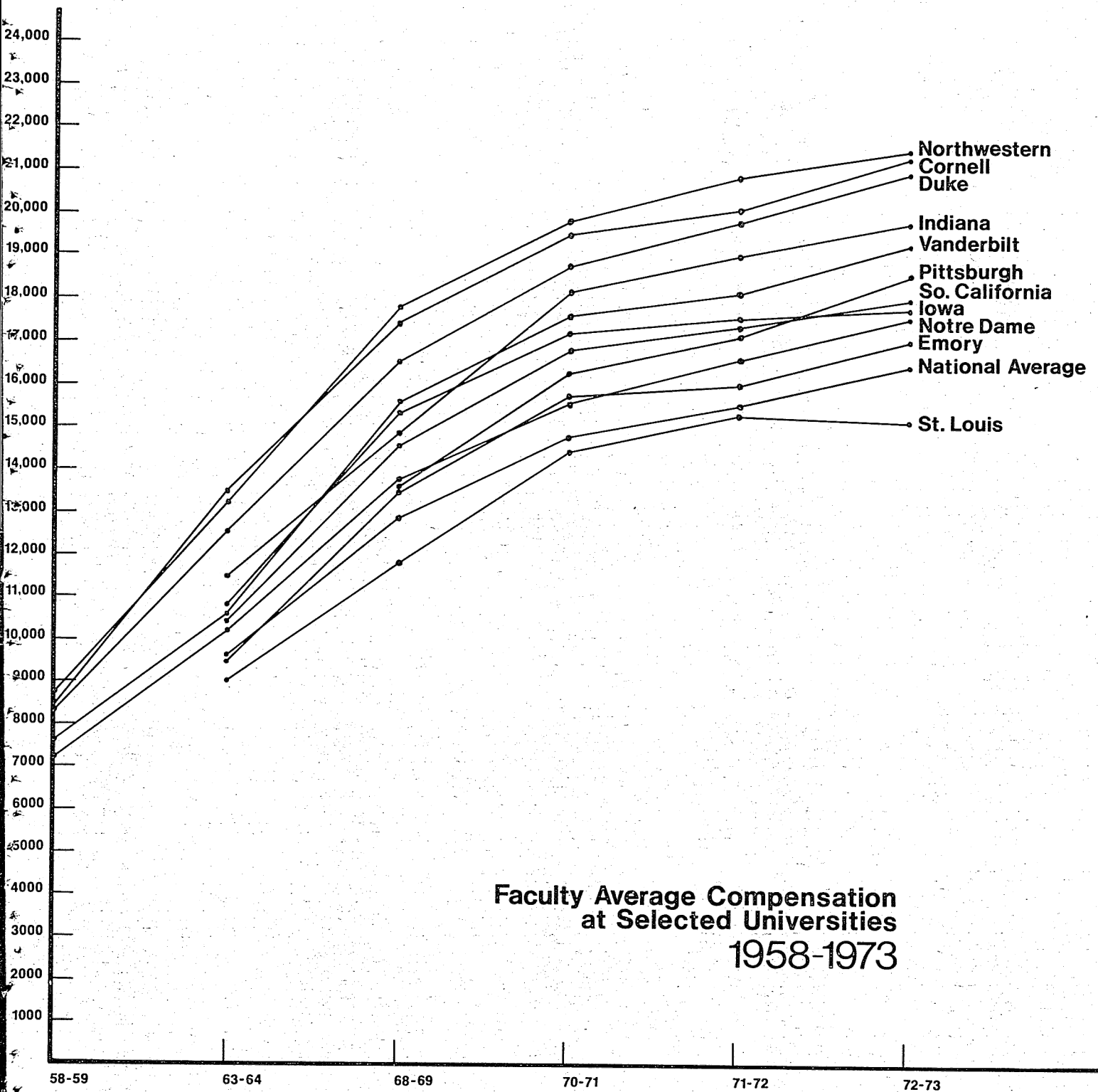
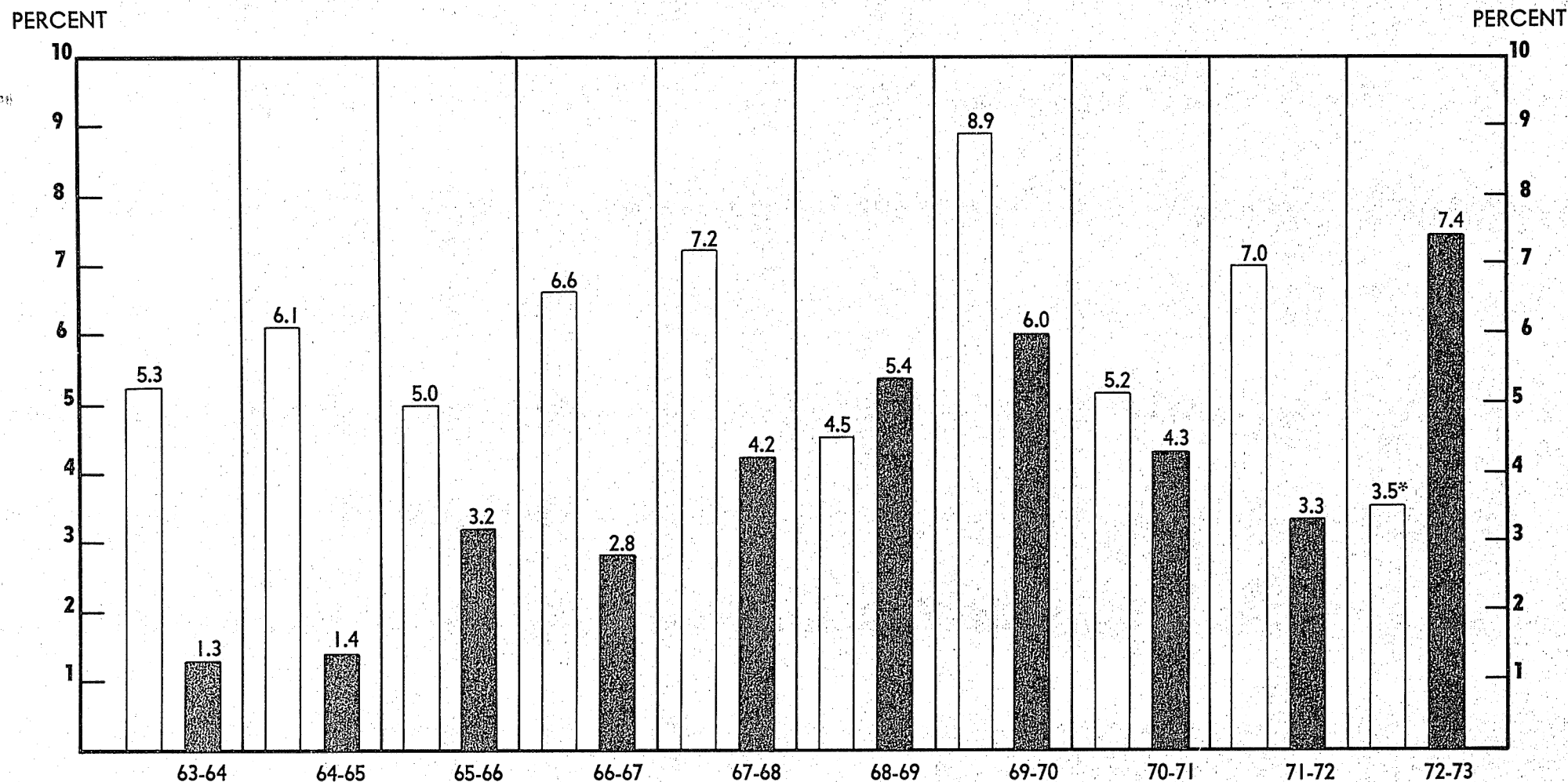


Figure IV



1963-1964 to 1973-1974  
COMPARISON OF NOTRE DAME FACULTY COMPENSATION  
GROWTH AND CONSUMER PRICE INDEX

SOURCES-COMPENSATION: A.A.U.P. REPORTS TABLE I  
CPI: BUREAU OF LABOR STATISTICS

\*ESTIMATED FIGURE

**KEY**

NOTRE DAME ANNUAL  
COMPENSATION INCREASE

CONSUMER PRICE INDEX  
ANNUAL INCREASE

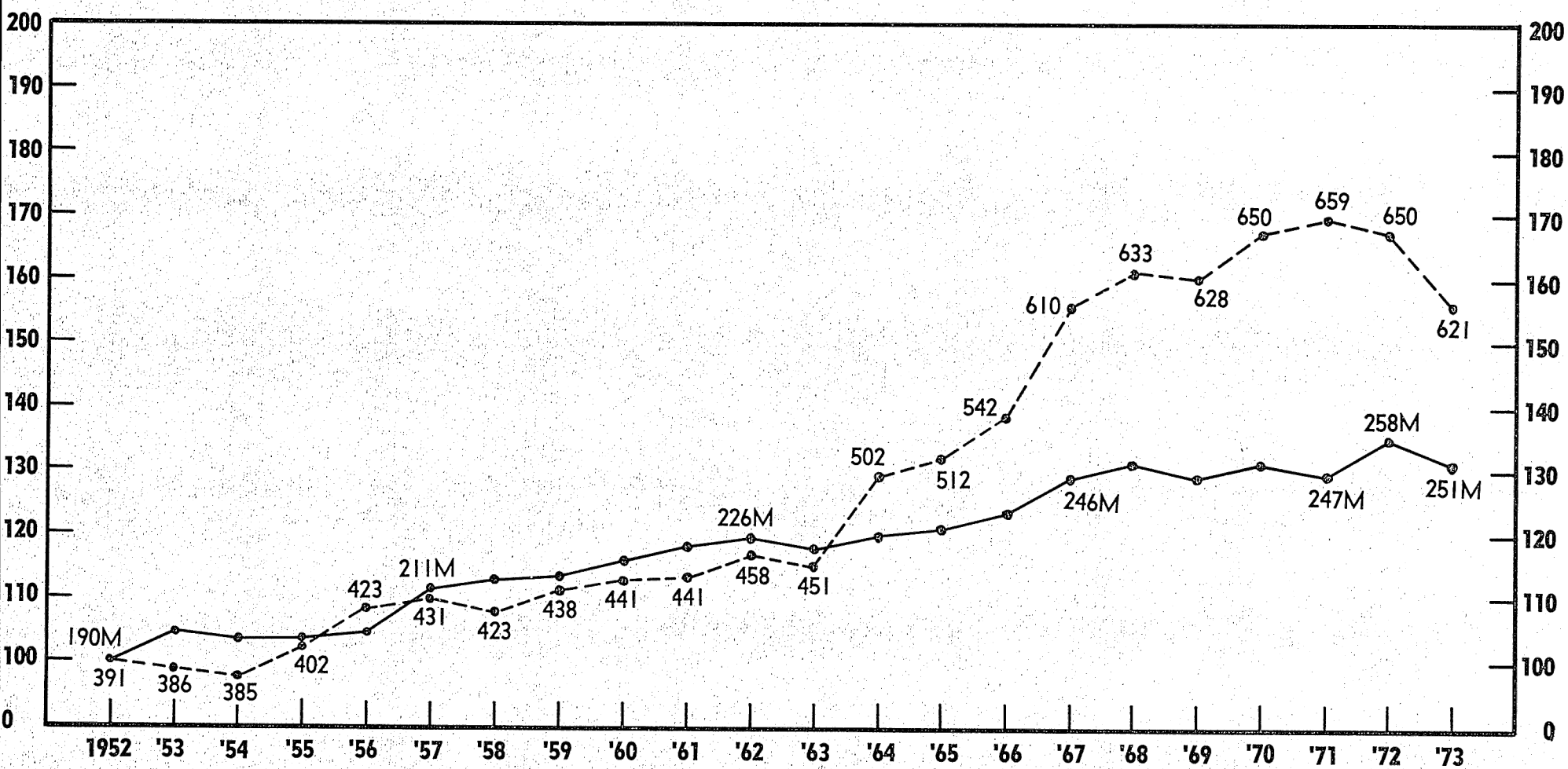


Figure V

INDEX OF TEACHING FACULTY AND  
TOTAL ANNUAL STUDENT CREDIT HOURS  
1952-1973  
BASE YEAR: 1952 (100)

**KEY:**

----- NUMBER OF TEACHING FACULTY  
————— TOTAL ANNUAL STUDENT CREDIT HOURS  
(EXPRESSED IN THOUSANDS)

Returning briefly to other matters relating to the faculty, I should note a small but helpful arrangement recently made. Faculty can now purchase at reduced cost meal tickets for the student dining halls. Several faculty members expressed a willingness and a desire to lunch or dine with students on occasion and found that there was no reasonably easy arrangement to enter the student dining rooms. Faculty have been advised how these meal tickets may be purchased.

Lastly, it is fair to mention that some of our provisions have not been wise and have correspondingly been set aside. For example, when the University was anticipating merger with Saint Mary's, we thought it wise to plan and devise quotas for the number of faculty in each department. This planning proved to be nugatory, not simply because the merger did not occur, but because actual quotas have been fixed by the amount of funds available rather than any figure independent of the budget. Another example: in 1971 I asked members of departmental committees on appointments, tenure and promotions to sign their ballots, indicating for the record how each member voted. This proved to be an unwise requirement and it was removed at the end of the year.

Reviewing all of these efforts undertaken in our striving for faculty excellence, one notes that we have introduced procedures and resources with an aim to making Notre Dame as fine a university as possible in which to teach. In a sense we have come to the end of a phase. In a rather short time we addressed ourselves to a situation which, amid other priorities, had been left relatively untended for some years. At this time our procedures seem to be in good order and it is probably time to move on to other major concerns.

Communication is always a problem in an institution as large and complicated as Notre Dame. One of our goals was to introduce a number of new avenues of communication that would improve the ways in which we could draw upon the support and creativity of all members of the campus community. The Notre Dame Report is a move in that direction. We believe that the prompt and regular dissemination of official documents and information would diminish rumor and inadvertence. Also, this year the Faculty Handbook has been published for the first time, offering under one cover just about all of the information to which faculty need regularly recur. We hope to update the Handbook each year, changing its contents as occasion and need dictate. Dr. Burke deserves particular thanks for having edited the compendious first edition. Furthermore, in the last years we have had a number of "Appalachian" meetings, gatherings of all administrators, including departmental chairmen, to discuss common problems. Most of the documents that have come out of our office have been reviewed either at these meetings or in meetings of the deans. With increasing frequency the academic administration has relied upon the regular counsel of the deans of the colleges and other academic units in the University. Committee-making has also been a favorite pastime of recent years. In the last three years, I reckon that we have appointed in the academic area almost 30 University-wide committees. Despite the reluctance of our best faculty to take time away from their scholarly activities for these very taxing duties, we are persuaded that this has afforded the decision-making process a resource of deliberation that is necessary if we are to provide wisely for our academic fortunes and future.

Coeducation is alive and well at Notre Dame. At this moment let me review for you the statistics of student enrollment as regards coeducation. In our Freshman Year of Studies, more than 23 per cent of the students are women. Among our entire undergraduate student body, 816 women constitute 12 per cent. Among advanced students, females constitute the same proportion of the enrollment as they do in the Freshman Year: 23 per cent. The Graduate School is the most integrated coeducational unit with 27 per cent. Next year we anticipate that our undergraduate enrollment will include more than 1,000 women. As you know, the increasing admission of women has not come from an increase in overall enrollment; each woman added represents one man less in the student body. Our future collaboration with Saint Mary's College will certainly be a heavy and important factor in decisions made year by year about the mixture of our undergraduate population. Should we come to the point where our combined population includes 1,500 women at Notre Dame and 1,500 at Saint Mary's, and if we have a viable co-exchange program, perhaps in a more active fashion even than the one we presently have, then we would have an overall ratio of 3 to 5 which is the present national ratio of women to men in higher education. Depending upon the number and quality of students applying for admission here, we might then be able to accept freshmen without regard to gender.



You are, I am sure, aware of many factors which have to be considered in reckoning annual admissions quotas. For one thing we have a great deal of concern for keeping up the enrollment of our colleges. Several of the colleges have suffered a decrease in enrollment and the relative lack of interest on the part of incoming women students could complicate that problem. An important factor to notice is the academic interest pattern of female freshmen. The present freshmen indicate academic intents as follows:

Arts and Letters	61 per cent
Science	24 per cent
Engineering	5 per cent
Business Administration	10 per cent

There is also a concern for proper allotment of residential space to women. Next year Lyons Hall is committed to female residency and perhaps other halls after that will be converted from men to women. We have a commitment to open athletics to women as rapidly as demand permits. As soon as there is adequate student interest there will be club sports for women, and those in turn will be raised to varsity status when participation merits it.

Let me also review for you the situation with regard to female faculty. This has an important bearing on coeducation because it is important for both men and women students to find women scholars here on the faculty. Last year, out of an entire faculty of 728 persons, 48 or 6.6 per cent were women. The female component of the Teaching-and-Research faculty, however, stood at only 3.8 per cent. This year we have 68 women on the faculty and this brings our overall percentage to about 9 per cent. The increase on the Teaching-and-Research faculty has brought us to about 6 per cent women. Probably the most important statistic to note is that one-fourth of incoming faculty at the University this year are females.

Let me say a word about our relations with Saint Mary's College. The co-exchange program has been adequately stabilized. There are no charges exchanged between institutions for courses taken, but there is a fixed ceiling on student credit hours available. Three thousand SCH are offered by each school to students of the other. Presently, however, the schools are tending to use only about two-thirds of their quotas. Notre Dame has no limitation on its students at present, whereas Saint Mary's does. The Speech and Drama Department is, as you know, a collaborative department, belonging jointly to both schools. The Theology Department here and the Religious Studies Department at Saint Mary's have a common program and collaborate excellently. Our Departments of Philosophy are considering a similar arrangement. Notre Dame has a particular interest in the Department of Education at Saint Mary's College, which provides, on the undergraduate level, teaching and supervision which we do not offer. This is an excellent example of one of the advantages that a co-exchange program offers, whereby one school makes available to the other a program which need not then be duplicated. This could perhaps be a pattern for other forms of cooperation. There is still much wasteful duplication, however. The University and the College have correlative departments, some of which try to span a wide variety of disciplines within their subject range. It must surely be the case that a coordination in faculty on either side of the road would allow us to provide a wider variety of specialties than we presently can. Each school wishes to protect its proper and reasonable autonomy, but the potential gain to both institutions seems to argue very strongly for more consultation than we presently enjoy. Dr. Henry has been extremely cooperative and expresses an ongoing commitment to cooperation with Notre Dame. Dr. Burke has represented the University in all negotiations between the two schools and carries to Saint Mary's a similar commitment on our part.

This brings up a matter which has just emerged from nearly a year of negotiations with Saint Mary's College: the academic calendar. The co-ex program imposes upon us a responsibility to find a common calendar which both schools can be satisfied with. In addition to that imperative, we wished to introduce a mid-semester pause in the autumn, since our experience over the past years indicated a great deal of fatigue as we moved without break from the beginning of the semester all the way up to Thanksgiving. Furthermore we were trying to restore our semester to its proper length of 72 class days. We have achieved all of these goals. We have, however, a calendar in which classes begin on August 28, and thus we shall have to issue codicils moving all faculty contracts back by about five days. Many of the members on this Council were here some time ago when we debated at length about the calendar. Any academic calendar is bound to displease everyone, since its very complexity necessitates the inclusion of at least one feature which each person will find unacceptable. In any case, we have gone through the difficult problem of constructing a calendar and now we shall live with it next year to see whether it is, as we hope, a distinct improvement.

Several very important reports are soon to appear. The Committee on University Priorities will publish and submit to the President its report in about a month. The President will then ask for comments from all constituencies of the University, that comment to be com-

piled and presented along with our report to the Trustees at their Spring meeting in the month of May. The Executive Committee of this Council will want to review the report and discuss the advisability of bringing it or any portion of it to the Council. Certainly there are some recommendations which the administration will eventually be bringing to appropriate bodies for action and some of those will be brought to the Academic Council. This will then allow us to take a position on those issues.

Another major report is coming directly to the Academic Council. The Committee on the Course of Study has been meeting for more than a year now under Dean Crosson, and they are hoping to submit their report in the early spring. The report promises to present us with a good number of curricular questions which will require deliberations and decision by this Council.

The overall enrollment situation merits some further comment on this occasion. As you know, the Admissions Office calculates quite carefully the rate at which students admitted to Notre Dame actually can be expected to confirm this admission and matriculate in the fall. This year all of these calculations failed to prepare us for the extraordinarily high rate of confirmation by both men and women. We were left with a freshman class which was nearly 200 persons larger than we had wished. In these days it is a kind of flattering calamity, since many schools are unable to meet their enrollment quotas. The bulge in freshman admissions was partly compensated for by a reduction in the number of students that could be admitted as transfer students from other colleges. This created a housing problem, since all freshmen have to be housed on campus, whereas transfer students generally have no commitment to a room on campus during their first semester. We were losing students who would not live on campus and gaining students who had to. Minor overcrowding has again been created in the residence halls, which we intend to relieve next year. Our steady enrollment continues to be targeted at 6,600. The Law School enrollment, once targeted at 600, has been turned back from a high of 500 and stabilized at our intended figure of 400. The MBA enrollment is still developing and we intend to raise it slightly to 200.

Lastly, I would like to offer a few words on the Graduate School, not because it is last in importance, but because I have something to say by way of recommendation. There has been an enormous and devastating decrease in outside support available for graduate students. This has been due principally to change in governmental policy and preferences. The major foundations have also moved abruptly away from their earlier interests in higher education. Some of the major graduate schools in the country have been devastated by the change. One hears of programs which have had their funding reduced by 80 per cent. The picture at Notre Dame is not quite so severe because our internal support for many years has represented a larger portion of overall student support than in most research universities. Our grants for sponsored programs are holding. There is a great deal of energy in seeking outside support, and I would like particularly to point out the College of Engineering as having been successful in obtaining grants lately. Dr. Liu has been appointed Director of the Center for the Study of Man, with the particular charge also of stimulating research, especially sponsored research in the areas of the humanities and social sciences.

But a matter of perhaps greater concern in graduate studies is the curriculum. We are constantly modifying our undergraduate curriculum, and the colleges and departments are assiduous in their concern for the course of studies. But the most unregarded and neglected area of curriculum reform is in the Graduate School. Graduate education in this country has an inertia about it which is really unparalleled in other sectors of higher education. It is extremely difficult to discover any great university that displays imagination or creativity or distinction in what it offers graduate students. Most institutions simply offer course credits and a certain period of residency and then a degree. In fortunate circumstances, an excellent major professor will offer supervision and collaboration as the student progresses. But it is time for us to consider exactly what we wish to share with students who come to us for graduate degrees. A school with our admittedly modest resources, which wishes to stand out from universities that can bring massive amounts of financial support to bear where we can succeed only in moderation, might find opportunities in this curricular area to make strides forward that will allow it to stand out from its peer institutions. I am calling upon the faculty, and the various departments, and the Graduate Council to exercise strong leadership in reviewing and restyling our tradition of graduate instruction.

Let me now draw to a close these possibly lengthy remarks, which are intended to give you an account of how we have viewed the academic endeavor and what we have striven to acquire ourselves of the duties of leadership. May this be an excellent and forthright year at this greatest of universities.

James Tunstead Burtchael, C.S.C.  
Provost

## Attachment II

### Academic Council, 1973-1974

#### Ex Officio Members

Rev. Theodore M. Hesburgh, C.S.C.  
Rev. James T. Burtchael, C.S.C.  
Rev. Edmund P. Joyce, C.S.C.  
Rev. Ferdinand L. Brown, C.S.C.  
Dr. Philip J. Faccenda  
Rev. Jerome J. Wilson, C.S.C.  
Dr. James W. Frick

Dr. Robert E. Gordon  
Dr. William M. Burke  
Professor Leo M. Corbaci  
Professor Frederick J. Crosson  
Dr. Bernard Waldman  
Dr. Joseph C. Hogan  
Professor Thomas T. Murphy  
Professor Thomas Shaffer  
Dr. Thomas P. Bergin  
Rev. Robert J. Austgen, C.S.C.  
Dr. Emil T. Hofman  
Mr. Richard Sullivan  
Dr. William T. Liu  
Professor Thomas F. Broden  
Professor Stephen D. Kertesz

Dr. Morris Pollard  
Dr. John Magee  
Mr. David Sparks  
Mr. John Goldrick  
Dr. Norman B. Haaser  
Christopher Nedeau

President  
Provost  
Executive Vice President  
Associate Provost  
Vice President for Student Affairs  
Vice President for Business Affairs  
Vice President for Public Relations and Development  
Vice President for Advanced Studies  
Assistant Provost  
Dean of Administration  
Dean of the College of Arts and Letters  
Dean of the College of Science  
Dean of the College of Engineering  
Dean of the College of Business Administration  
Dean of the Law School  
Dean of the Center for Continuing Education  
Director of the Summer Session  
Dean of the Freshman Year of Studies  
Registrar  
Director of the Center for the Study of Man  
Director of the Institute for Urban Studies  
Director of the Institute for International Studies  
Director of Lobund Laboratory  
Director of Radiation Laboratory  
Director of Libraries  
Director of Admissions  
Chairman of the Faculty Senate  
Academic Commissioner, Student Government

#### Elected Members

##### College of Arts and Letters

Dr. Paul Bartholomew  
Dr. George Brinkley  
Rev. David Burrell, C.S.C.  
Dr. Dennis Dugan  
Professor Thomas Fern  
Dr. Matthew A. Fitzsimons  
Dr. J. Philip Gleason  
Mrs. Maben Herring  
Dr. Ralph McInerny  
Professor Walter Nicgorski  
Professor Bernard Norling  
Professor James Robinson  
Professor Thomas Swartz  
Dr. Edward Vasta

##### Department

##### Date of Expiration

Government	1974
Government	1976
Theology	1976
Economics	1975
Art	1974
History	1975
History	1974
English	1974
Philosophy	1975
General Program	1976
History	1975
English	1976
Economics	1976
English	1974

##### College of Business Administration

Professor Mario Picconi  
Professor Robert Williamson

Management	1975
Accountancy	1976

##### College of Engineering

Dr. Charles Allen  
Dr. Raymond Brach  
Dr. Don Linger  
Dr. James Massey  
Professor Arthur J. Quigley

Met. Eng.	1974
Aerospace and Mech. Eng.	1975
Civil Eng.	1974
Elec. Eng.	1976
Elec. Eng.	1975

### College of Science

Dr. Thomas P. Fehlner	Chemistry	1974
Dr. Gerald L. Jones	Physics	1974
Dr. Charles J. Mullin	Physics	1975
Rev. Michael J. Murphy, C.S.C.	Earth Sciences	1975
Dr. O. Timothy O'Meara	Mathematics	1974
Dr. Kenyon S. Tweedell	Biology	1976
Dr. Morris Wagner	Microbiology	1975

### Law School

Professor Francis X. Beytagh	Law	1976
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### Library

Mr. Palmer E. Cone	Chem.-Physics	1976
Joseph H. Huebner	Memorial Lib.	1976

### Professional Spec. Faculty

Dr. Lewis Perkey	Radiation Lab.	1975
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### Student Representatives

Mr. James Low	MBA Program
Mr. John Mazza	Arts and Letters
Miss Judi Offerle	Engineering
Mr. Dennis Ryan	Business Administration
Mr. James Stevens	Science
Brother Finian Taylor, OSB	Graduate School

### Observers

Mr. Richard Conklin	Director of Information Services
Capt. William O. McLean	Chairman, Department of Naval Science
Sister Rosale Dunleavy, C.S.C.	Saint Mary's
Dr. Bruno Schlesinger	Saint Mary's

## Attachment III

### Executive Committee of the Academic Council, 1973-1974

#### Ex Officio

Rev. James T. Burtchae11, C.S.C., Chairman  
Rev. Ferdinand L. Brown, C.S.C.

#### Elected

Rev. David B. Burrell, C.S.C.  
Dr. Robert E. Gordon  
Dr. James L. Massey  
Dr. O. Timothy O'Meara  
Dr. Edward Vasta

#### Appointed

Dean Joseph C. Hogan  
Mr. Christopher A. Nedean  
Dr. Robert W. Williamson

# Faculty Senate Journal

## September 25, 1973

Professor Norman Haaser called the meeting to order at 7:35 p.m. and then opened it with the Lord's Prayer.

28 members were in attendance.

The minutes of the May 7, 1973 meeting, reproduced in Notre Dame Report #18 (1972-73), were approved without change by a unanimous voice vote.

Prof. Haaser informed the Senate that Prof. Charles Murdock had resigned from the Student Life Council since he will be on leave for the current academic year. His term expires in the spring of 1974. There was no objection raised to the traditional procedure of filling a resigned post with the candidate having the second largest number of votes in the election held for that office. Accordingly, Prof. Joseph Nahas will replace Prof. Murdock. Faculty representation on the Student Life Council now stands as follows. The date of expiration of each term is given in parentheses.

Ms. Maureen L. Gleason (1975)  
Prof. Joseph J. Nahas (1974)  
Prof. Julian R. Pleasants (1975)  
Prof. John Roos (1974)  
Prof. Fred W. Syburg (1974)  
Prof. Thomas Werge (1975)

The Senate then discussed a suggestion by Prof. Cushing that the notes of Faculty Senate meetings list the names of those members who do not attend a given meeting and who provide no explanation for such absence. Prof. Jones, last year's Senate Chairman, stated that in 1972-73 there were 13 members, most from the College of Arts and Letters, who attended no meetings, in spite of the fact that he had asked every member of the Senate by letter whether or not they would be able to serve and suggested that those who were not resign so that their colleges could replace them. Apparently there has been some problem in the past about people having been elected to the Senate without having first been asked whether or not they would be willing to stand as nominees. In response to a suggestion that written approval be a precondition for nomination to stand for election, Prof. Haaser pointed out that the Faculty Senate has no control over the college elections, this being the business of the nominating committees in the various colleges. Prof. Haaser will contact each nominating committee to discuss this problem before the elections in the spring of 1974. It was also suggested that the Senate Bylaws be changed to make attendance a requirement for continued Senate membership.

Prof. Cushing then made a formal motion, seconded by Prof. Lyon, that all unexplained absences be recorded in the minutes to each Faculty Senate meeting. The motion was carried by a unanimous voice vote.

Prof. Conway asked that the Senate poll all faculty members in the University about their willingness to serve in various elected offices (e.g., College Councils, Faculty Senate, Student Life Council, etc.). The returns from this poll would then be turned over to the appropriate nominating committees in the University to provide them with lists of potential candidates. Prof. Haaser agreed to do this.

The next item of business was an amendment to the Senate Bylaws which had been discussed at the previous meeting and which had been circulated to all Senate members more than the required ten days prior to the present meeting.

The Proposal was to replace the present Article II, Section 1 of the Bylaws by:

II. Section 1. The Committees of the Senate shall be an Executive Committee, and standing committees on the Administration of the University, on Faculty Affairs, and on Student Affairs. The Chairman shall annually appoint each member of the Senate to one of the Standing Committees excepting that members of the Senate who are also members of the Academic Council will not serve on any Standing Committee unless they so request.

This is identical to the current text of this section except for the addition of the underlined phrase.

It was finally decided that the current bylaws require a simple majority vote of the full Senate membership to amend the bylaws. (Professors Jones and Tihen acted as our mentors as the Senate faced its first crisis of the year.) Prof. Haaser announced that with the resignations of Prof. Thomas Jemielity and Prof. Paul Rathburn, the active Senate membership stood at 45 so that the 28 Senators present constituted a majority. The amendment was passed by a voice vote with no dissenters.

As a result of the confusion over the bylaw requirements which arose in this case, Prof. De Santis requested that a copy of the Senate Bylaws be sent to all Senate members. Prof. Haaser agreed to do this.

A brief recess was called at 8 p.m. to allow the three standing committees of the Senate to caucus and elect permanent chairmen. The results were the following:

Chairman of Committee on Administration - Prof. Richard Lamanna  
Chairman of Committee on Faculty Affairs - Prof. Leonard Banas  
Chairman of Committee on Student Affairs - Prof. Daniel Winicur

At 8:20 p.m. Prof. Richard Lynch, the University Comptroller, addressed the Senate on University budget procedures and projection. Prof. Lynch explained that after the 1969 cash deficit of \$937,000 the University budgeting procedure was revised to avoid the budget overruns that had been common prior to that time. The fundamental philosophy adopted was to begin with known or predictable resources and income (exclusive of gifts and endowment income) and to divide these among the various academic and nonacademic areas of fiscal responsibility. On the academic side, for example, each dean, and in turn each department chairman, is informed of the funds available to him for the coming fiscal year. In principle the chairmen and deans can appeal to the Provost for more funds within the over-all fiscal constraints set by the administration. A lively discussion of this point followed in which several members, and notably Prof. De Santis, pointed out that this appeal process has not always been particularly effective in practice in the past.

Prof. Lynch responded to several questions from the floor concerning just who it is that makes the initial, largely binding, budget decisions which affect the academic life of the University, the budgetary effect of the 65 per cent (or so) overhead assessed by the University on sponsored research grants, and several other points. Prof. Lynch pointed out that the University's fiscal policies now allow it to avoid deficits and to charge the students a tuition which is \$300-\$500 per year less than other universities considered our academic peers.

In reply to a series of questions by Prof. Cushing on the financial statement issued by the University for the fiscal year ending June 30, 1972 summarizing the 1970-71 and 1971-72 budgets, Prof. Lynch stated that annual unrestricted gifts ranging from one to two million dollars (not listed as an income resource for budget expenditures), which had previously been used for new buildings, is now put directly into the endowment fund and that of the approximately \$1.4 million unrestricted income from the endowment, something just over \$900,000 was used as revenues for the academic budget, the remainder being put into the endowment fund. He also stated that the University budgets about \$11 million a year for faculty salaries.

Prof. Jones then observed that the emotional impact of a stated \$937,000 deficit for a year is seen in a rather different light when one realizes that the University had available \$2-3 million each year which it put directly into the endowment.

At 9:30 p.m. Prof. Haaser and the Senate members thanked Prof. Lynch for his time and a motion to adjourn was made.

Those members absent without explanation are listed below:

Joseph Bobik (Philosophy)  
James Daschbach (Aerospace and Mechanical Engineering)  
W.J. Gajda (Electrical Engineering)  
Waldemar Goulet (Finance)  
Sydney Kelsey (Civil Engineering)  
John Kromkowski (Government)  
Robert Leader (Arts and Letters)

Paul McLane (English)  
Robert Rodes (Law School)  
John Roos (Government)  
Julian Samora (Sociology and Anthropology)  
Joseph Scott (Sociology and Anthropology)  
Edward Trubac (Finance)  
James Ward (History)  
Thomas Werge (English)

Respectfully submitted,

James T. Cushing  
Secretary  
Faculty Senate

## contents (continued)

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