

UNIVERSITY OF
NOTRE DAME

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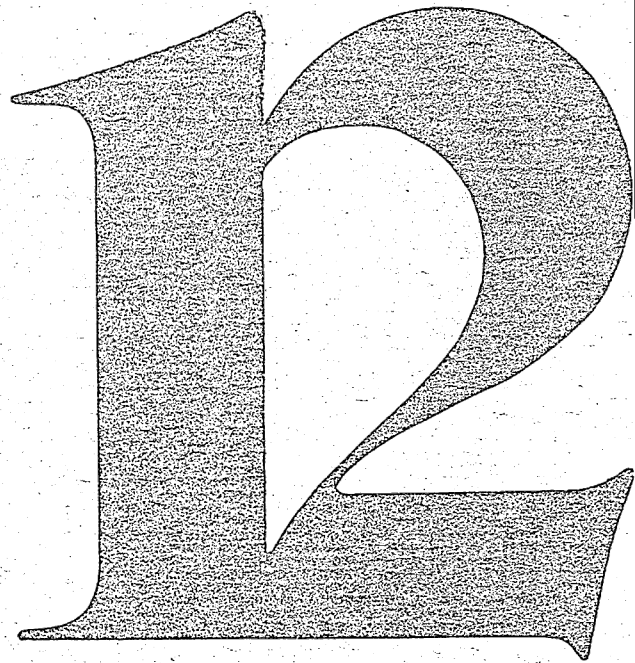
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the university

Bicentennial Committee

A steering committee to plan the celebration of America's Bicentennial in 1976 at the University of Notre Dame and Saint Mary's College has been appointed by the institutions' presidents, Rev. Theodore M. Hesburgh, C.S.C., and Dr. Edward L. Henry.

The committee, to be chaired by Dr. Thomas Bergin, dean of continuing education at Notre Dame, will be the core of a larger committee of faculty and administrators to be chosen later.

Other members of the steering committee are Dr. Jack Detzler, administrative assistant to the president at Saint Mary's; Dr. Ronald Weber, chairman of the Department of American Studies at Notre Dame, and Richard Conklin, director of information services at Notre Dame.

Honorary Baccalaureate Degree

Notre Dame has announced a plan whereby former students who left the University before completing its baccalaureate requirements but who subsequently received a professional degree elsewhere can obtain an honorary baccalaureate degree from Notre Dame.

The Office of Provost announced the following criteria for awarding of such a degree: A candidate must have completed a minimum of one year of successful study at Notre Dame at a time 25 years previous to his application and have subsequently been awarded a professional degree.

Civil Rights Center

The University of Notre Dame Civil Rights Center drafted a friend-of-the-court brief in a minority admissions preference case argued Feb. 26 before the U.S. Supreme Court.

The brief, signed by 64 deans of American law schools, supports the University of Washington Law School, whose policy of admissions preference for minority group applications is being challenged. The Washing-

ton State Supreme Court upheld the university's policy on grounds that it served an overriding state interest --increasing the number of minority group lawyers--but the case was appealed to the nation's highest court.

The case has attracted the attention of law schools, labor groups, and civil rights organizations who have filed more than a score of friend-of-the-court briefs.

Peter Canisius Medal

Rev. Theodore M. Hesburgh, C.S.C., president, has been awarded the Peter Canisius Medal from the Canisius College Alumni Association in Buffalo, N.Y. The presentation Feb. 20 was made by Very Rev. James M. Demske, S.J., in the school's Student Center Auditorium.

Established by the alumni association, the Canisius Medal has been awarded since 1957 to "an outstanding individual who has made substantial contributions to the educational, spiritual, social, cultural, and intellectual advancement of mankind and whose career and achievements constitute a challenge and an inspiration to the youth of America."

Former recipients of the Canisius Medal include Sen. Thomas Eagleton, Medico Founder Thomas Dooley, New York Supreme Court Justice Philip Halpern, HEW Secretary Anthony J. Celebrezze, and Sen. Eugene McCarthy.

Inter-Library Loans

David E. Sparks, director of libraries, has announced that an advisory committee on inter-library loan studies of the Association of Research Libraries has suggested in its formal report to the Association that there should be a future charge for inter-library loans between university libraries.

The report was submitted to the association at its Jan. 17th meeting in Chicago.

A national system of inter-library loan has been in effect in the United States for more than a quarter of a century under the aegis of the American Library Association. The inter-library loan convention thus established was described in Notre Dame Report #15 of April 13, 1973.

The Association of Research Libraries has been seriously concerned with rising costs in the nation's university and non-university research libraries. The costs of inter-library lending, especially in large university libraries who lend more than they borrow, has reached proportions that require careful scrutiny. The committee report to ARL represents the culmination of a study effort of several years duration.

Implementation of the committee's recommendation would require agreement of the majority of ARL membership, and may not come into effect for a while. Nevertheless, faculty and graduate students at Notre Dame ought to be aware that inter-library lending services may in the future present a direct (if nominal) cost to the user.

National Teacher Examinations

Notre Dame has been designated as a site April 6 for the National Teacher Examinations (NTE) conducted by Educational Testing Service of Princeton, N.J.

The tests are open to college seniors preparing to teach and teachers applying for certification, licensure, or those seeking positions in school systems which encourage or require the NTE. The designation of Notre Dame as a test center will give prospective teachers in this area an opportunity to compare their performances with candidates throughout the country who take the test.

NTE procedures are designed to assess cognitive knowledge and understanding in professional education, general education and subject-field specialization. Additional information and registration material may be obtained from Dr. Peter P. Grande, assistant dean of the Freshman Year of Studies Program at Notre Dame, or from Box 911, Princeton, 08540.

faculty notes

University appointments

Donald J. Nelson has been appointed designer with the Department of Printing and Publications. The appointment was announced by Ronald R. Parent, director.

Non-university appointments

Leslie G. Foschio, assistant dean, Law School, has been appointed as evaluator for the National Law Student Internship Program sponsored by the National District Attorneys Association and the National Legal Aid and Defender Association.

Dr. J. Philip Gleason, Chairman, Department of History, was elected to the Council of the American Society for Church History at the Society's meeting in December, 1973.

Dr. Raymond C. Gutschick, professor of Earth Sciences, has been elected vice-president of the Society of Economic Paleontologists and Mineralogists-Great Lakes Section.

Dr. Lawrence H. N. Lee, professor of aerospace and mechanical engineering, has been requested to serve as the representative of the University of Notre Dame to the Material Science Committee of the Argonne Center for Educational Affairs. His function is to serve as a focal point for an informational exchange between our faculty members and the Committee.

Dr. Thomas J. Schlereth, assistant professor of American studies, has been named Co-ordinator of the Regional Committee, Indiana Historic Sites and Structures Survey and Inventory, for the Northwestern District.

Miscellany

Dr. William E. Biles, assistant professor of aerospace and mechanical engineering, attended the 1974 Winter Simulation Conference in Washington, D.C. on Jan. 13 - 15, and presented a paper entitled "A Gradient-Regression Search Procedure for Simulation Experimentation."

M. Robert Cahill, business manager of athletics, was elected "Business Manager Of The Year" by the 230 member College Athletic Business Managers Association in an October-November 1973 balloting. The award was presented during the association's annual meeting Jan. 7 - 10, in San Francisco. Cahill also served as President of the nationwide association in 1971.

Dr. Frederick Columbus, assistant professor of modern and classical languages, gave a paper entitled "Category of Object Definite in Bulgarian" at the Balkan Linguistic Seminar meeting of the Modern Languages Association in Chicago in December 1973.

Dr. Francis X. Connolly, assistant professor of mathematics, spoke Feb. 6 at the Mathematical Colloquium, University of Chicago on "The Work of Madsen, Milgrim, Brumfiel on BPL." On Feb. 21 he addressed the Mathematical Colloquium, Princeton University on "Surgery Obstruction Without Surgery."

Dr. Josephine Massyngberde Ford spoke at the Conference on the Charismatic Movement arranged by the Rev. Michael Hamilton, at the Episcopal Cathedral, Washington, D.C. The title of her paper was "The Liturgical and Sociological Aspect of the Charismatic Movement."

Dr. J. Philip Gleason, Chairman, Department of History, presented a seminar Feb. 26 at the Johns Hopkins University. The discussion on the subject, "Marginality and Interpretations of Contemporary American Catholicism," was sponsored by the Hopkins Program in American Religious History.

Dr. Waldemar M. Goulet, assistant professor of finance and business economics, has been awarded a faculty fellowship by the Mortgage Bankers Association and will attend three one-week courses at Notre Dame, March 31 - April 6 and at Northwestern University, June 23 - 29 and July 7 - 13. The MBA's Research and Educational Trust Fund is sponsor of the School of Mortgage Banking.

Dr. Raymond C. Gutschick, professor of earth sciences, presented a seminar to the Department of Geology, Michigan State University, on Feb. 14, 1974. The topic of research was "The Geology of the Kentland Structural Anomaly, West-central Indiana."

Dr. James Michael Lee, professor of Graduate Studies in Education, gave the principal address at the annual meeting of the Directors of Catholic College Teacher Training Programs held as part of the annual convention of the American Association of College Teachers of Education in Chicago on Feb. 23.

Dr. Cary K. Mak, associate professor of civil engineering, presented a lecture entitled "Creep Buckling of Structure" at the Fire Prevention Society Symposium in Tokyo, Japan from Jan. 14-17. He also presented a paper entitled "Creep Deformation Behavior of Steel Frames in a Fire" at the International Conference on Tall Buildings, Asian Institute of Technology, Bangkok, Thailand on Jan. 21-25.

Dr. Kenneth W. Milani, assistant professor of accountancy, is serving as a Class of 1962 chairman

for the Bradley University Annual Alumni Fund. Last year, he served in a similar position and the Bradley alumni responded with a 60 per cent increase in donations.

Dr. Basil R. Meyers, professor of electrical engineering, who is presently on a leave of absence to the University of British Columbia, Canada, presented a seminar entitled "Engineering and the Community at Large" on Feb. 22, in the Public Seminar Series of the University of Manitoba at Winnipeg, Canada.

Dr. Daniel J. Pasto, professor of chemistry, presented an invited lecture entitled "Stereochemical Aspects of Cycloaddition Reactions of Alkenylidenecyclopropanes" on Feb. 25 before the Eighth Annual Mardi Gras Symposium in Organic Chemistry in New Orleans sponsored by the Chemistry Departments of Louisiana State University, Baton Rouge; University of New Orleans and Loyola University of New Orleans.

Dr. Ellen Bouchard Ryan, assistant professor of psychology, presented a talk entitled "Implications of Linguistics and Psychology for Teaching English As a Second Language" at a workshop sponsored by the Indiana Division of Adult and Migrant Education on Feb. 9 in Portage, Ind.

Dr. Boleslaw B. Szczesniak, professor emeritus of history, lectured at the University of Warsaw, Poland, Dec. 21 on "Kataribe, the Ancient Institution of History Reciters (or Narrators) in Japan."

office of advanced studies

Information Circulars

Department of Labor Manpower Institutional Grants

NO. FY74-84

The Department of Labor has announced a program for the training of specialists in the manpower field at colleges and universities.

Since 1966, 19 academic institutions have received Manpower Research Institutional Grants, intended to increase long-term research on manpower problems and education of specialists in this field.

The current institutional grants are now ending. Ten new institutional grants will be awarded, effective July 1974 and continuing for 4 years.

The program in the next 4 years will focus on the support and encouragement of academic programs that develop manpower curricula and train manpower program administrators, planners, evaluators and other technically equipped personnel required at regional, State and local levels under the new Comprehensive Employment and Training Act of 1973.

The closing date for submission of applications is April 1, 1974. For further information contact the Office of Research and Sponsored Programs, Extension 7378.

International Sugar Research Foundation, Inc. Research Proposals

NO. FY74-85

The International Sugar Research Foundation announces it is now accepting research proposals related to the utilization of sugar. Since 1943, it has spent over \$6,500,000 supporting various research projects, either at universities and research institutes in the form of grant-in-aid projects, or with private institutions by direct contract.

Research Programs which have been of interest to the Selection Committee are generally as listed below:

1. Nutritional and metabolic studies of sugar and other sugar-related public health issues, for example:
 - Contributions toward an answer to the question: "is sucrose a factor in Cardio-vascular disease, - in on-set of diabetes"; the effect of sucrose on the physical and mental development of growing children; effect of sucrose on dental caries and its remedies or related studies.
2. Technology related to the improvement of sugar-containing processed foods, the use of sugar or its derivatives in the preparation of intermediate moisture foods, or experimental demonstrations of better food quality of those foods using sucrose or invert sugar in comparison with other sweeteners, for example:
 - Comparative studies of sucrose and sweeteners derived from hydrolyzed starch in respect to their organoleptic properties, shelf-life characteristics and such effects on various processed foods or beverages and the application of sucrose in modern food technological studies.

3. Development of products resulting from research using sucrose or its derivatives as raw materials in industrial or other applications, such as agricultural chemicals. The interest in this field of investigation has been greatly enhanced by the shortage of certain widely used industrial chemicals and their rising prices.

4. By-product utilization

- The use of sugar or sugar by-products in a broader aspect of fermentation.

The closing date for receipt of applications is March 30, 1974. For further information, contact the Office of Research and Sponsored Programs, Extension 7378.

Office of Education Strengthening the International Dimensions of General Education at the Undergraduate Level

NO. FY74-86

Proposals are invited from institutions of higher education, including four-year colleges, teacher training institutions, community or junior colleges, and consortia of any institutions in these categories desiring to establish or improve programs for the development of the international dimensions of general education at the undergraduate level. (Proposals for programs with a mixed graduate/undergraduate character should be submitted for consideration in the graduate program competition.)

This program is aimed at helping institutions better prepare students and prospective teachers for lives and careers in an increasingly interdependent world. It will not only contribute to the acquisition of knowledge and understanding of the many lands and peoples with whom Americans share the planet earth, but is also intended to prepare future citizens and teachers to deal with transnational problems in knowledgeable perspective by increasing their literacy in world affairs.

Its purpose is to stimulate and assist innovative efforts to infuse an international perspective into general education at the undergraduate level, particularly in the first two years of postsecondary education.

The due date for submission of proposals has not been announced to date. It will appear in the Federal Register and will be thirty-five days after its publication. The Office of Research and Sponsored Programs will announce the due date in the Notre Dame Report. For further information, contact the Office of Advanced Studies, Extension 7378.

Office of Education Problem or Topic-Oriented Programs in International Studies at the Graduate Level

NO. FY74-87

Proposals are invited from institutions of higher education wishing to develop innovative graduate-level international studies programs which are problem-, issue-, or topic-oriented and comparative and/or interdisciplinary in approach. Professional schools which are concerned with internationalizing their programs are eligible for consideration, as are other schools and colleges which award post-baccalaureate degrees. Consortia of such institutions may also submit proposals (through a member institution). Programs geared primarily to M.A. level study are as welcome as those designed for doctoral level study. Proposals for programs which have a mixed graduate/undergraduate character will also be considered and should be submitted in this competition (rather than in the undergraduate category).

The purpose of this program is to stimulate and assist institutions to initiate or strengthen resources in international studies or to add an international dimension to an existing program. It is hoped that the programs chosen will develop into regional or national resources for training and research that can be carried forward by the institution after the modest assistance from OE is terminated.

The Office of Research and Sponsored Programs will announce the due date for submission of proposals in Notre Dame Report. For further information, contact the Office of Advanced Studies, Extension 7378.

Relm Foundation Fellowships in Economics, Political Science, and International Studies

NO. FY74-88

The Relm Foundation supports fellowships specifically in the following three areas:

1. Economics (micro)
2. Political Science (theorist)
3. International Studies.

Tenure: Usually for only one year at a time (sabbaticals) or (summer leave).

The Foundation prefers to award grants to faculty members, rather than to institutions. Personal visits are welcomed, and the applicant should provide the following:

1. Statement (proposal)
2. An itemized, detailed, budget
3. Three to five references and addresses
4. Publication plans
5. Curriculum vitae.

Faculty members who wish to contact the Foundation should first consult with the Office of Research and Sponsored Programs for an explanation of their mode of operation and other pertinent details.

Current Publications And Other Scholarly Works

BUSINESS ADMINISTRATION

Accountancy

Powell, Ray M.

R.M. Powell. 1974. American Accounting Association Regional Meetings Planning Manual. Ave Maria Press, Notre Dame, Indiana. 124 pp.

Wittenbach, James L.

J.L. Wittenbach. 1974. A comment on inflation in taxation. The Tax Executive 26(2):201-202.

Finance and Business-Economics

Lanser, Howard P.

H.P. Lanser, W.G. Lewellen, and J.J. McConnell. 1973. Payback substitutes for discounted cash flow. Financial Management 2:17-23.

Management

Houck, John W.

J.W. Houck. 1974. From the infinite to the finite. Review of Politics 36(1): 198-200.

Yeandel, Francis A.

F.A. Yeandel. 1974. Who Picked Up The Check. Intercollegiate Case Clearing House, Boston. 4 pp.

F.A. Yeandel. 1974. The Flying Lion. Intercollegiate Case Clearing House, Boston. 12 pp.

F.A. Yeandel. 1974. Wester Avenue. Intercollegiate Case Clearing House, Boston. 6 pp.

Marketing Management

Malone, John R.

J.R. Malone. 1973. Inverness Inn. Intercollegiate Case Clearing House, Boston. 8 pp.

ENGINEERING

Chemical Engineering

Verhoff, Francis H.

M.W. Tenney and F.H. Verhoff. 1973. Chemical and autoflocculation of micro-organisms in biological wastewater treatment. Biotechnology and Bioengineering 15:1045-1073.

V.J. Bierman, F.H. Verhoff, T.L. Poulson, and M.W. Tenney. 1973. Multi-nutrient dynamic models of algal growth and species competition in eutrophic lakes. Pages 89-109 in, Modeling the Eutrophication Process.

Civil Engineering

Ketchum, Lloyd H.

L.H. Ketchum. 1974. Coagulation of stormwaters and low alkalinity wastewaters. Journal of the Water Pollution Control Federation 46(1):53-62.

Mak, Cary K.

C.K. Mak and W.C. Chang. 1974. Creep deformation behavior of steel frames in a fire. Pages 633-649 in, Proceedings of International Conference on Tall Buildings in Bangkok, Thailand.

Metallurgical Engineering

Peretti, Ettore A.

E.A. Peretti and S. Hutchison. 1974. Contribution to the system tin-lead arsenic. Journal of the Less Common Metals 34:107-112.

SCIENCE

Biology

Fuchs, Morton S.

D.A. Schlaeffer and M.S. Fuchs. 1974. Effects of dopa decarboxylase inhibition on *Aedes aegypti* eggs: evidence for sclerotization. Journal of Insect Physiology 20:349-358.

Greene, Richard W.

R.W. Greene. 1974. Sacoglossans and their chloroplast endosymbionts. Pages 21-27 in W.B. Vernberg, ed. *Symbiosis in the Sea*. University of South Carolina Press, Columbia, South Carolina.

Chemistry

Eliel, Ernest L.

S. Mager and E.L. Eliel. 1973. Synthesis and configurational equilibrium of 2-iso-propyl-5-acetyl-1,3-dioxane. *Revue Roumaine de Chimie* 18(8):1379-1387.

Scheidt, W. Robert

W.R. Scheidt and J.L. Hoard. 1973. Stereochemistry of low-spin cobalt porphyrins. I. Structure and bonding in a nitrosylcobalt porphyrin and their bearing on one rational model for the oxygenated protoheme. *Journal of the American Chemical Society* 95:8281-8288.

W.R. Scheidt and J.L. Hoard. 1973. Stereochemistry of low-spin cobalt porphyrins. II. The bis (piperidine)- $\alpha,\beta,\gamma,\delta$ -tetraphenyl-porphinatoncobalt (III) cation in a crystalline solvated salt. *Journal of the American Chemical Society* 95:8289-8294.

W.R. Scheidt. 1973. Stereochemistry of low-spin cobalt porphyrins. III. The crystal structure and molecular stereochemistry of bis (piperidine)- $\alpha,\beta,\gamma,\delta$ -tetraphenyl-porphinato-cobalt (II). *Journal of the American Chemical Society* 96:84-89.

W.R. Scheidt. 1973. Stereochemistry of low-spin cobalt porphyrins. IV. Molecular stereochemistry of (1-methylimidazole)- $\alpha,\beta,\gamma,\delta$ -tetraphenyl-porphinato-cobalt (II). *Journal of the American Chemical Society* 96:90-94.

Schwartz, Maurice E.

*C.A. Naleway and M.E. Schwartz. 1973. Consideration of the VSEPR model by a localized molecular orbital study of the geometry of H_2O . *Journal of the American Chemical Society* 95:8235-8241.

Thomas, J. Kerry

*S.C. Wallace, M. Gratzel, and J.K. Thomas. 1973. Laser photoionization of aromatic hydrocarbons in micellar solution. *Chemical Physics Letters* 23(3):359-362.

*Under the Radiation Laboratory

Mathematics

Hahn, Alexander J.

A.J. Hahn. 1973. The isomorphisms of certain subgroups of the isometry groups of reflexive spaces. *Journal of Algebra* 27(2):205-242.

Microbiology

Pollard, Morris

*M. Pollard and R.L. Truitt. 1973. Allo-genic bone marrow chimerism in germfree mice. I. Prevention of spontaneous

leukemia in AKR mice. *Proceedings of the Society for Experimental Biology and Medicine*. 144(2):659-665.

*Under the Lobund Laboratory

Physics

Browne, Cornelius P.

J.D. Goss, G.A. Huttlin, C.P. Browne, and A.A. Rollefson. 1974. States of ^{55}Co reaction. *Physical Review* C9:227-236.

Darden, Sperry E.

S.E. Darden and H.R. Hiddleston. 1974. Spins of the 3.854 - MeV and 7.026 - MeV levels in ^{17}F from $^{16}O(p,p)^{16}O$. *Physical Review* C9:800-801.

Rollefson, A. Andre

G.A. Huttlin and A.A. Rollefson. 1974. Alpha-cluster levels in ^{15}O as seen in the reaction $^{14}N(p,\alpha)^{11}C$. *Physical Review* C9:576-580.

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

Economics

Worland, Stephen T.

S.T. Worland. 1973. Review of John Rawls, *A Theory of Justice*. *Journal of Economic Issues* 2(4):673-677.

English

Martin, Leslie Howard

L.H. Martin. 1973. The consistency of Dryden's Aureng-Zebe. *Studies in Philology* 70(3):306-328.

L.H. Martin. 1973. Aureng-Zebe and the ritual of the Persian king. *Modern Philology* 71(2):169-171.

Modern and Classical Languages

Lanzinger, Klaus

K. Lanzinger. 1973. Nicolaus Mohr as a foreign observer of the United States. Epilogue. Pages 353-368 in, *Excursion Through America*, ed. Ray Allen Billington. (Transl. from German by LaVern J. Rippley and Kalus Lanzinger.) The Lakeside Press, R.R. Donnelly, The Lakeside Classics, Chicago. 398 pp.

Philosophy

McMullin, Rev. Ernan

E. McMullin, Rev. 1974. The changing history of science. *Cambridge Review* 95:76-78.

E. McMullin, Rev. 1974. Empiricism at sea. *Boston Studies in the Philosophy of Science* 14:385-396.

E. McMullin, Rev. 1974. Logicity and rationality, a comment on Toulmin's theory of science. *Boston Studies in the Philosophy of Science* 11:209-224.

Theology

MEDIAEVAL STUDIES

Ford, J. Massyngherde

J.M. Ford. 1973. Biblical material relevant to the ordination of women. Journal of Ecumenical Studies 10(4):669-694.

J.M. Ford. 1974. Woman deacon, past and present. Sisters Today 45(6):338-351.

J.M. Ford. 1974. Neo-pentecostalism within the Roman Catholic communion. Dialog 13:45-50.

Gabriel, Astrik L.

A.L. Gabriel. 1974. Via Antiqua and Via Moderna and the migration of Paris students and masters to the German universities in the fifteenth century. Miscellanea Mediaevalia 9:339-483.

Monthly Summary

Awards Received

IN THE MONTH OF FEBRUARY, 1974

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
Chemistry	Freeman	Chemistry of N-hydroxypyrozoles	Natl. Inst. Health	31,508 1 yr.
Philosophy	Caponigri	Philosophy of western culture of Benedetto Croce	Rockefeller Fdn.	16,370 1 yr.
Center for the Study of Man	Liu	Public reaction to fuel shortage	Shell Oil Co.	70,000 7 mos.
Aerospace Mech. Eng.	Brach, Atassi	Abrasive separators and particle interference	Wheelabrator- Frye, Inc.	10,910 8 mos.
Government Internatl. Rel.	Brinkley	U.S. - East European exchange program	Internatl. Res. Exch. Board	6,575 1 yr.
Biology	Fuchs	Reproductive physiology of Aedes	Natl. Inst. Health	38,383 1 yr.
Aerospace Mech. Eng.	Atassi	Aerodynamic forces on highly cambered airfoils	U.S. Air Force, AFOSR	29,720 1 yr.
Physics	Marshalek, Shanley	Theoretical studies of nuclear structure and reactions	Natl. Sci. Fdn.	12,500 1 yr.
Physics	Browne, et al.	Nuclear structures research	Natl. Sci. Fdn.	400,000 1 yr.
Civil Eng.	McFarland	Properties of powdered materials	Wheelabrator- Frye, Inc.	8,000 1 yr.
AWARD FOR EDUCATIONAL PROGRAM				
Administration	Hesburgh	Hope ecumenical seminar in Tantur, Jerusalem	Lilly Endowment, Inc.	20,000 ---
AWARDS FOR SERVICE PROGRAMS				
Management	Yeandel	Management consulting service to small businesses	Small Bus. Admin.	2,500 ---
Inst. Urban Studies	Egan	Catholic health project	Natl. Cent. Urb. Ethnic Affairs	15,085 1 yr.

Proposals Submitted

IN THE MONTH OF FEBRUARY, 1974

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
PROPOSALS FOR RESEARCH				
Center for the Study of Man	Liu	Public reaction to fuel shortage	Shell Oil Co.	73,000 2 mos.
Civil Eng.	McFarland	Properties of powdered materials	Wheelabrator- Frye, Inc.	8,000 1 yr.
Physics	Tomasch	Electronic tunneling from metals	Natl. Sci. Fdn.	69,625 2 yrs.
Civil Eng.	McFarland	Fabric filter aerosol retention	Wheelabrator- Frye, Inc.	8,000 1 yr.
Center for the Study of Man	Moore	Ethical issues of death and dying	Natl. Sci. Fdn.	92,270 1.25 yrs.
Art	Fern	Research and exhibition of Thomas Moran drawings	Natl. Endow. Arts	62,090 16 mos.
Chemistry	Scheidt	X-ray and chemical studies of metalloporphyrins	Natl. Inst. Health	32,201 1 yr.
Sociology Anthropology	Bellis	Archaeological field school	Lilly Endow. Inc.	14,685 1 yr.
Chemistry	Castellino	Role of the carbohydrate moiety of plasminogen	Ind. Heart Assocn.	7,185 1 yr.
Microbiology- Lobund Lab.	Kulpa	Structure and function of escherichia coli membranes	(Private foundations)	9,744 1 yr.
Engineering	McComas	Evaluation and development of a wastewater treatment apparatus	Telecommun. Ind., Inc.	13,000 7 mos.
Civil Eng.	Linger	Interdisciplinary environmental health planning and mangement	Natl. Inst. Health	17,625 1 yr.
Chemical Eng.	Carberry	US-Soviet co-operative program in catalytic reactor modeling	Natl. Sci. Fdn.	49,683 2 yrs.
Chemical Eng.	Carberry	US-Soviet co-operative program in catalytic reactor modeling	Natl. Sci. Fdn.	15,152 2 yrs.
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Chemistry	Bottie	Instructional scientific equipment program	Natl. Sci. Fdn.	12,000 2 yrs.
Physics	Funk	Instructional scientific equipment program	Natl. Sci. Fdn.	21,200 2 yrs.
Economics	Davisson	Instructional scientific equipment program	Natl. Sci. Fdn.	38,200 2 yrs.
Aerospace Mech. Eng.	Daschbach	Instructional scientific equipment program	Natl. Sci. Fdn.	18,600 2 yrs.
Electrical Eng.	Berry	Instructional scientific equipment program	Natl. Sci. Fdn.	39,536 2 yrs.
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Management	Yeandel	Management consulting services to small businesses	Small Bus. Admin.	2,500 5 mos.
Management	Sequin	Managing health delivery systems	(Private foundations)	5,060 4 mos.
PROPOSAL FOR SERVICE PROGRAM				
Inst. Urban Studies	Broden	Multi-cultural education strategy in South Bend	Lilly Endow. Inc.	100,000 ---

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF FEBRUARY, 1974

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	\$482,391	6	\$141,575	10	\$623,966
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	1	20,000	-	---	1	20,000
Service Programs	1	2,500	1	15,085	2	17,585
Total	6	\$504,891	7	\$156,660	13	\$661,551

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$293,801	6	\$178,459	14	\$472,260
Facilities and Equipment	-	---	5	129,536	5	129,536
Educational Programs	1	2,500	1	5,060	2	7,560
Service Programs	-	---	1	100,000	1	100,000
Total	9	\$396,301	13	\$413,055	22	\$709,356

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		
Department of Labor	Manpower - Related Doctoral Dissertation Grants	April	1,	1974
Department of Labor	MDTA Research Projects	April	1,	1974
John Hopkins University	Council on Research in Economic History Supplemental Fellowships or Research Support	April	15,	1974
National Endowment for the Humanities	Public Programs	April	15,	1974
National Endowment for the Humanities	Youth grants in the Humanities	April	1,	1974
National Institute of Education	Research in Education	April	1,	1974
National Science Foundation	Faculty Fellowships in Science Applied to Societal Problems	April	1,	1974
Social and Rehabilitation Service	Research and Development in the Field of Aging	April	1,	1974

documentation

Audio Visual Equipment

To: The Faculty and the Academic Administration of the University

The University possess a bewildering variety of audio visual equipment. It has generally been judged more expedient to leave this equipment under the control of widely dispersed academic units than to require it to be centralized under the control of the audio visual center. On the other hand, it is very difficult for a faculty member with a specific need to know where within the University he can locate an appropriate piece of equipment. Much useless expense has been involved in the rental of equipment which could have been borrowed at no cost within the University. Consequently we have asked Mr. Frank R. Maxwell, director of the audio visual center, to draw up an inventory of all audio visual hardware within the University. This list is published below in hopes that faculty throughout the University will have recourse to it and will borrow equipment according to their particular needs by contacting directly the department which has custody of the equipment.

A second concern should be mentioned here. The University continues to purchase such equipment, either through operating funds or from research grants. Uncoordinated purchase of equipment leads to many problems. First of all, equipment which is soon to be obsolete or for which replacement parts cannot quickly be obtained is purchased. Secondly, although the Audio Visual Center has the responsibility to repair all such equipment it has no opportunity to indicate which models are found to yield the best performance. Consequently, before purchases of audio visual equipment the Director of the Audio Visual Center should be consulted. The Purchasing Department will refer any purchase orders for audio visual items to Mr. Maxwell if they do not already bear his notation.

The array of equipment listed below is probably ampler and more diversified than most of us had suspected. The inventory will be updated and republished annually for your continued information.

William M. Burke
Assistant Provost

TYPE OF EQUIPMENT

LOCATION BY DEPARTMENT

LOCATION BY COLLEGE

35MM SLIDE PROJECTORS (Manual)

1 Burk's Slide Projector	Graduate Education	401 Administration Bldg.
1 Kenner Super-Show	Modern Language	Arts & Letters
1 Leitz Prado	Aerospace	Engineering
4 Leitz 4690C-31	Art	Arts & Letters
1 Leitz Prado Universal	American Studies	Arts & Letters
1 Leitz Prado Universal	Biology	Science
1 Leitz Prado-Small	Biology	Science
2 Leitz Prado 500	Earth Science	Science
1 Leitz Prado (Thin Section)	Earth Science	Science
1 Leitz 98-502	Lobund	Science
1 Leitz FA-500	Lobund	Science
1 S.V.E. Schoolmaster	Modern Language	Arts & Letters

TYPE OF EQUIPMENTLOCATION BY DEPARTMENTLOCATION BY COLLEGE35MM SLIDE PROJECTORS (Automatic)

1 Bell & Howell Robomatic	Chemistry	Science
2 Bell & Howell 961	C.C.E.	Center for Continuing Education
1 Bolmatic 655	Architecture	Engineering
2 Kodak Carousel	Art	Arts & Letters
1 Kodagraphic AF	Aerospace	Engineering
1 Kodak Carousel 800	Architecture	Engineering
4 Kodak Carousel 750	Architecture	Engineering
3 Kodak Carousel 850	Biology	Science
2 Kodak Carousel	Chemistry	Science
1 Kodak Carousel 800	Civil Engineering	Engineering
1 Kodak Carousel 800	Earth Science	Science
1 Kodak Carousel 800H	History	Arts & Letters
1 Kodak Carousel 760H	Lobund	Science
1 Kodak Carousel 760 ZH	Lobund	Science
1 Kodak Carousel 800	Marketing	Business Administration
1 Kodak Carousel (Ektagraphic)	Mediaeval Institute	Memorial Library
1 Kodak Carousel 800	Metallurgical Engineering	Engineering
1 Kodak Carousel 760Z	Modern Language	Arts & Letters
8 Kodak Carousel 800	Psychology	Arts & Letters
1 Kodak Carousel AV-580	Physics	Science
3 Leitz Pradovit	Architecture (2 in Rome, Italy)	Engineering
1 Revere 888	Aerospace	Engineering
1 Revere 888	Chemical Engineering	Engineering
1 Sawyer Rotomatic	Physics	Science
3 Sawyer Rotomatic 700	Physics	Arts & Letters
1 Sears M-33	General Program	Arts & Letters

FILMSTRIP PROJECTORS (Manual)

1 Kodak Attachment for Kodak Carousel	Biology	Science
1 Magnavox SR	Physical Education	Rockne Memorial
1 Spencer Filmstrip Attachment for Delineascope	Biology	Science
2 Standard 333	Modern Language	Arts & Letters
2 S.V.E.	Earth Science	Science
1 S.V.E.	Physics	Science

FILMSTRIP PROJECTORS (Automatic)

1 DuKane 14A-390B	Physical Education	Rockne Memorial
1 EDL-Tach-X	Graduate Education	401 Administration Bldg.
1 Beseler Salesmate 11-13 (U.S. Government Surplus)	Psychology	Arts & Letters

TYPE OF EQUIPMENTLOCATION BY DEPARTMENTLOCATION BY COLLEGE8MM PROJECTORS (Reel-to-Reel)

1 Bolex SM-8	Art	Arts & Letters
1 Bolex Super 8	American Studies	Arts & Letters
3 Kodak 120	Physics	Science
1 Kodak Ektagaphic-210	Biology	Science

8MM PROJECTORS (Continuous Loop)

7 Technicolor 500	Biology	Science
1 Technicolor 800	Aerospace	Engineering
1 Technicolor 800	Civil Engineering	Engineering
1 Technicolor-Instant	Earth Science	Science
1 Technicolor 800	Physics	Science
3 Technicolor 810	Biology	Science
2 Technicolor 810	Metallurgical Engineering	Engineering

8MM CAMERAS

1 Bolex Macro-Zoom	Architecture	Engineering
1 Bolex 155 Macro-Zoom	Art	Arts & Letters
1 Bolex 155	Chemistry	Science
1 Bolex Super 8	American Studies	Arts & Letters
1 Bell & Howell 220	Biology	Science
1 Kodak M-24	Chemistry	Science
1 Leitz Mikas	Lobund	Science
1 Miranda Sensorex	Lobund	Science
1 Mikon FTN	Lobund	Science

16MM PROJECTORS

1 Bauer (Pedestal, fixed)	C.C.E. Auditorium	Center for Continuing Education
1 Bell & Howell	Biology	Science
1 Bell & Howell 185	Physics	Science
1 Bell & Howell 273	Lobund	Science
1 Bell & Howell 302	Aerospace	Engineering
1 Bell & Howell 540	Aerospace	Engineering
1 Bell & Howell 540	C.C.E.	Center for Continuing Education
2 Bell & Howell 550	Architecture	Engineering
1 Bell & Howell 552	Chemistry	Science
1 Bell & Howell 552	Physics	Science
1 Bell & Howell 552-T	Marketing	Business Administration

16MM PROJECTORS

1 Kodak BP-16AR	Aerospace	Engineering
2 R.C.A. 400	Biology	Science
1 R.C.A. 416	Physical Education	Rockne Memorial
1 R.C.A. 416-R	Art	Arts & Letters
1 R.C.A. 1600	Psychology	Arts & Letters
1 R.C.A. 1600	Lobund	Science

TYPE OF EQUIPMENTLOCATION BY DEPARTMENTLOCATION BY COLLEGE16MM CAMERAS

1 Bell & Howell 70-DA	Aerospace	Engineering
1 Bolex H-16	Aerospace	Engineering
1 Bolex H-16	Art	Arts & Letters
1 Bolex H-16 Rex 5	Art	Arts & Letters
1 Bolex H-16	Biology	Science
1 Bolex H-16 Rex 4	Biology	Science

35MM CAMERAS

1 Kalimar SR-200	Biology	Science
1 Leica M-3	Art	Arts & Letters
1 Leica 111	Earth Science	Science
1 Leica-Zoom/Telescopic Lens	Earth Science	Science
1 Leica-Flex SL	Biology	Science
1 Leitz Reprovit 11A (Copy Stand plus lighting)	Art	Arts & Letters
1 Lucida	Earth Science	Science
1 Mamiya/Sekor DTL-1000	Chemistry	Science
1 Nikon F	Architecture	Engineering
1 Repronar (Slide Copying Outfit)	Art	Arts & Letters

LANTERN SLIDE PROJECTORS (3 1/4 x 4")

1 American Optical 3610	Biology	Science
1 American Optical Delineascope	Biology	Science
1 American Optical Spencer Delineascope	Chemistry	Science
1 American Optical 3689 RM	Lobund	Science
1 American Optical Delineascope	Physics	Science
1 Bausch & Lomb 16747 (Old)	Metallurgical Engineering	Engineering
1 Beseler 9436	Aerospace	Engineering
1 Beseler Slide King 3610	Biology	Science
1 Beseler Slide King 3610	Lobund	Science

4" x 5" COPYING CAMERAS (Poloroid or Conventional)

1 Grover 4" x 5"	Art	Arts & Letters
1 Mamiya Press Camera	Earth Science	Science
2 MP-3 Poloroid Copy Camera Outfit	Biology	Science
1 MP-3 Poloroid Copy Camera Outfit	Chemical Engineering	Engineering
1 MP-3 Poloroid Copy Camera Outfit	Civil Engineering	Engineering
1 MP-3 Poloroid Copy Camera Outfit	Lobund	Science
1 Model 340	Chemistry	Science
1 Model 900 Poloroid	Earth Science	Science
1 Speed Graphic Press Camera	Biology	Science

TYPE OF EQUIPMENTLOCATION BY DEPARTMENTLOCATION BY COLLEGEOVERHEAD TRANSPARENCY PROJECTORS

2 American Optical (Apollo) 3651	Marketing	Business Administration
2 American Optical (Apollo) 3651	Psychology	Arts & Letters
1 American Optical 3550	Physics	Science
2 Bell & Howell 301	Aerospace	Engineering
1 Bell & Howell 301F	Biology	Science
2 Bell & Howell 301	Business Administration (Dean Raymond)	Business Administration
1 Bell & Howell 301	Civil Engineering	Engineering
1 Bell & Howell 301	Chemistry	Science
1 Bell & Howell 301	Chemical Engineering	Engineering
2 Bell & Howell 301	C.C.E.	Center for Continuing Education
1 Bell & Howell 301	Electrical Engineering	Engineering
1 Bell & Howell 301	Law School	Law School
1 Bell & Howell 301	Music	Arts & Letters
1 Beseler Master Vu-Graph	Architecture	Engineering
1 Beseler Master Vu-Graph	Biology	Science
1 Beseler Master Vu-Graph	Graduate Education	401 Administration Bldg.
1 Beseler Master Vu-Graph	Chemical Engineering	Engineering
1 Beseler Porta-Scribe	Earth Science	Science
5 Buhl (Xerox)	Accountancy	Business Administration
1 Buhl (Koolite)	Aerospace	Engineering
1 Buhl (Xerox)	Finance	Business Administration
1 Buhl (A3572)	Marketing	Business Administration
1 3M-121 AG	A/V Lab (301 O'Shaughnessy)	Arts & Letters
1 3M Model 90C	Aerospace	Engineering
3 3M 88 AG	Biology	Science
1 3M Model 88	Chemistry	Science
1 3M Model 66AG	Finance	Business Administration
1 3M Model 121	Lobund	Science
3 3M	Physics	Science
1 Technifax 6000	Aerospace	Engineering
1 Technifax Travelgraph 2100	Metallurgical Engineering	Engineering

OPAQUE PROJECTORS

1 American Optical	Chemical Engineering	Engineering
1 Beseler Vu-Lyte	Architecture	Engineering
1 Beseler Vu-Lyte	Physics	Science
1 Opa-Scope	Aerospace	Engineering

DISC RECORD PLAYERS

2 Gates (Professional)	C.C.E.	Center for Continuing Education
1 General Electric Portable	English	Arts & Letters
3 KLH Portable plus Components	Music	Arts & Letters
1 Motorola X218	English	Arts & Letters
1 Newcomb AVT 25V	English	Arts & Letters
1 Newcomb AVT 25V	Modern Language	Arts & Letters

TYPE OF EQUIPMENTLOCATION BY DEPARTMENTLOCATION BY COLLEGEAUDIO TAPE RECORDERS (Cassette)

3 General Electric M-8430	Biology	Science
60 General Electric Cassette	Freshman Year	Freshman Year-Learning Resource Center
1 Hitachi	Black Studies	Arts & Letters
2 Norelco 84	Aerospace	Engineering
1 Sears 572	Metallurgical Engineering	Engineering
1 Sony C-70	Aerospace	Engineering
1 Sony TC-100	Chemistry	Science
1 Sony TC-130	Chemistry	Science
1 Sony	Earth Science	Science
3 Sony	Law School	Law School
2 Sony TC-106AV	Psychology	Arts & Letters
3 Sony TC-110A	Psychology	Arts & Letters
1 Sony TC-900	Psychology	Arts & Letters
1 Wollensak 2550AV	Civil Engineering	Engineering

AUDIO TAPE RECORDERS (Reel-to-Reel)

2 Allied Radio TR-1080	Aerospace	Engineering
1 Ampex PR 500	Psychology	Arts & Letters
2 Ampex 860	Music	Arts & Letters
1 Ampex PR-10 (Fixed)	Hayes Healy-Control Room	Business Administration
1 At Burgess Model SC-1	Biology	Science
2 R.C.A. (Professional-Fixed)	C.C.E. Control Room	Center for Continuing Education
2 Revere-Wollensak T-1500	Modern Language	Arts & Letters
1 Revere-Wollensak T-2000	Modern Language	Arts & Letters
3 Revere-Wollensak T-3000	Modern Language	Arts & Letters
2 Revere-Wollensak	Music	Arts & Letters
1 Revere-Wollensak 1220	Psychology	Arts & Letters
1 Revere-Wollensak 1580	Psychology	Arts & Letters
7 Revere-Wollensak 5730	Psychology	Arts & Letters
2 Revere-Wollensak 5740	Psychology	Arts & Letters
1 Sony (Stereo TC 630)	Architecture	Engineering
1 Telex Console (4 Viking decks)	Music	Arts & Letters
1 Uher 4000 Report L	Art	Arts & Letters
1 Voice of Music	Law School	Law School
1 Webcor Mark 4	Chemistry	Science

AUDIO TAPE RECORDERS (Specialized)

1 Audio-Tutorial System-B (Burgess 25 Station)	Earth Science	Science
3 Language Laboratories	Modern Language	Arts & Letters
1 Telex Reel-to-Reel Tape Duplicator	Modern Language	Arts & Letters

VIDEO TAPE RECORDERS

1 Ampex VR-5100 (1")	Theology	Arts & Letters
1 Diamond Power DP-2 (1")	Hayes Healy-Control Room	Business Administration
2 General Electric PTZA (1/2")	Accountancy	Business Administration
2 General Electric (1/2")	Chemistry	Science
3 General Electric 4TDB-2	Graduate Education	401 Administration Bldg.
1 General Electric 4TD-182 (1/2")	College of Engineering	Engineering (Dr. Berry)
1 General Electric PT-3A Portable (1/2") Tri-Pack	Management	Business Administration

1	Panasonic NV 3130 (Color 1/2" EIAJ)	Law School	Law School
1	Panasonic NV 8100 D (1/2")	Psychology	Arts & Letters
1	Panasonic NV 3020SD (1/2")	Psychology	Arts & Letters
1	Sony CV-2000 (1/2")	Biology	Science
1	Sony AV-5000 (1/2")	Biology	Science
1	Sony V0-1600 Video Cassette Player/Recorder	College of Engineering	Engineering
1	Sony VC-2000 (1/2")	Law School	Law School
1	Sony AV-8600 (1/2") (EIAJ-Color)	Law School	Law School
1	Wollensak V-22 (1/2")	A/V Lab (301 O'Shaughnessy)	Arts & Letters

TELEVISION CAMERAS

1	Ampex TR-820A	Theology	Arts & Letters
1	Dage 101106-02	Physics	Science
1	Diamond Power ST-1 (Fixed)	Hayes Healy-Room 124	Business Administration
2	General Electric (PTZA)	Accountancy	Business Administration
2	General Electric	Chemistry	Science
1	General Electric (TE 34)	Graduate Education	401 Administration Bldg.
2	General Electric (4TE-2241 Rec A)	Graduate Education	401 Administration Bldg.
1	General Electric (PT3A)	Management	Business Administration
1	General Electric	College of Engineering	Engineering (Dr. Berry)
1	General Precision 700	Lobund	Science
3	Japan VR-22	Graduate Education	401 Administration Bldg.
1	Panasonic 80/80 Camera/3080 Recorder	Psychology	Arts & Letters
1	Panasonic WV 340 P	Psychology	Arts & Letters
1	Panasonic WV 220 P	Psychology	Arts & Letters
2	R.C.A. RK-301 Vidicon	Metallurgical Engineering	Engineering
1	Sony DYC 2400	Biology	Science
1	Sony	Chemistry	Science
1	Sony CVC-2000	Law School	Law School
1	Sony 3210 DX	Law School	Law School
2	Sony 3200 (Fixed)	Mock Law School	Law School
2	Sony AV-4200 A	TV Control Room	Law School
2	Wollensak VC-150	A/V Lab (301 O'Shaughnessy)	Arts & Letters

TELEVISION SETS/MONITORS

2	Dage-Bell (Fixed)	Physics	Science (Room 118)
2	Electrohome 9" (Fixed)	Hayes Healy-Control Room	Business Administration
2	General Electric 19"	Graduate Education	401 Administration Bldg.
4	General Electric 10"	Graduate Education	401 Administration Bldg.
2	General Electric (On stands)	Freshman Year	Freshman Year Learning Resource Center
3	Panasonic 5"	Graduate Education	401 Administration Bldg.
1	Panasonic 6"	Psychology	Arts & Letters
2	Panasonic AV 22005	Psychology	Arts & Letters
1	R.C.A. PX-23	Metallurgical Engineering	Engineering
11	Setchell-Carlson (On stands)	C.C.E.	Center for Continuing Education
4	Setchell-Carlson (Fixed)	C.C.E.	Center for Continuing Education (Auditorium)
4	Setchell-Carlson (Fixed)	Hayes Healy (Classrooms)	Business Administration
1	Setchell-Carlson (Fixed)	Hayes Healy-Control Room	Business Administration
6	Setchell-Carlson 25" Color (Fixed)	Law School (Classrooms)	Law School
3	Setchell-Carlson 25" Color (On stands)	Law School	Law School
2	Sony CEM-723	Biology	Science
1	Sony CVM-1225 Color	Law School	Law School

PORTABLE PUBLIC ADDRESS EQUIPMENT

1 Perma-Power Podium	C.C.E.	Center for Continuing Education
1 Porta Page Public Address Speaker	Earth Science	Science
11 Citizens Band Transceivers	Earth Science	Science

RELATED AUDIO/VISUAL ITEMS

1 Ednalite Projection Pointer	Lobund	Science
1 Omnitec Telephone Coupler	Psychology	Arts & Letters
1 Panasonic TV Special Effects Generator VY 922	Psychology	Arts & Letters

Minutes of the 161st Meeting of the Graduate Council February 4, 1974

The 161st meeting of the Graduate Council was called to order by the chairman, Dr. Robert E. Gordon, at 3:15 p.m., Monday, Feb. 4, 1974 in the Donor's Room of the Hayes-Healy Center.

All members were present except Deans Crosson, Hogan, Waldman, Professors Mihelich (Physics) and Vasoli (Sociology) and student representatives Lavage and Wessels. Mr. S. James Zafirau substituted for Mr. Lavage.

I. Approval of the Minutes of the Previous Meeting

The minutes of the 160th meeting, Nov. 5, 1973, were unanimously approved as distributed.

II. Report of the Nominating Committee - Professor Novotny

Professor Novotny, chairman of the nominating committee, reported his committee's nominees for the 1974-75 elected positions in the four divisions of the Graduate School as follows:

1. Engineering: (two positions)

1. Walter J. Gajda, associate professor, electrical engineering
2. Kraemer D. Luks, associate professor, chemical engineering
3. D.E. Sporleder, professor, architecture
4. Al A. Szweczyk, professor, aerospace and mechanical engineering

2. Humanities: (one position)

1. Rev. Thomas E. Blantz, C.S.C., assistant professor, history
2. Rev. Ernan McMullin, professor, philosophy

3. Science: (one position)

1. Theodore J. Crovello, associate professor, biology
2. Sperry E. Darden, professor, physics

4. Social Science: (one position)

1. Frank J. Bonello, assistant professor, economics
2. Donald P. Kommers, associate professor, government and international studies

Chairman Gordon thanked Dr. Novotny and his committee for presenting a slate that assures a balanced representation for all divisions in the Graduate School. When no additional nominations were offered from the floor, the nominating committee's slate was unanimously approved. It will be included in the comprehensive spring ballot for elections to the various academic agencies.

III. Preliminary Report from the Ad Hoc Committee on Criteria for Appointment to the Graduate Committee - Professor Kennedy

To collect departmental preferences on criteria for appointment to the graduate faculty, Professor Kennedy and his committee generated a survey instrument specifying eight functions traditionally reserved in whole or in part for graduate faculty and four criteria normally used in whole or in part for appointment to a graduate faculty. Combining these in an order of increasing specificity, the committee constructed a sixfold scale of plausible "conceptions" of the Notre Dame graduate faculty on the basis of which criteria for membership could be established. This scale was circulated to the chairmen of the Notre Dame graduate departments and the first and second choices of the 21 respondents were tabulated and distributed to the Graduate Council. The tabulated responses showed a clear preference for "conceptions" one and two of the six ordered conceptions of the scale. (See Enclosure 1)

The decision as to which of the two preferred conceptions, if any, should be recommended to the Graduate Council for a final decision on this question, which has been sporadically raised but not resolved over the past decade, was left for the committee's definitive report to the April 1974 meeting of the Graduate Council. After urging the committee to include in its definitive report, procedures for implementing its final recommendation, Dr. Gordon noted that the work of this committee had already significantly "sensitized" the graduate departments to the ongoing need for maintaining the highest practicable standards of competency and performance in the graduate staff.

IV. Report from the Ad Hoc Committee on Waiver of Defense of the Dissertation - Professor Botzum

Father Botzum and his Committee submitted in a written report that in view of the fact:

1. That current Graduate School practice allows three different formats for the oral defence of the dissertation, and
2. That, whatever the format, waivers are currently sought on such grounds as:
 - 2.1 A candidate is so far removed from the campus as to be unable, without undue hardship, to present himself for the examination.
 - 2.2 In the judgment of the candidate's director and readers his dissertation is of such an extraordinarily high quality as to render any defense irrelevant.
 - 2.3 Though the candidate's performance in the written dissertation is acceptable but not extraordinary, his department's view of the dissertation defense as largely pro forma suffices to make it irrelevant.
 - 2.4 The candidate has displayed such a command of his field through participation in symposia, professional panels and conventions and confirmed in his dissertation as to make the defense irrelevant.
3. The committee recommended that a petition for a waiver be allowed when it is the majority view of the doctoral committee, composed of the dissertation director and readers, that the oral defense would be irrelevant. Where the stated ground for the waiver petition is an extraordinary dissertation, the petition will, in the committee's judgment, be a rare rather than usual occurrence.

Where the stated ground is the candidate's competence as already verified in notable participation in professional conventions, panels or symposia, the petition will be allowed only when the candidate's dissertation displays equally acceptable competence.

In every case supporting documentation must accompany each petition submitted to the Graduate School for final approval.

The chairman accepted the committee report and directed the assistant vice-president for graduate instruction to formulate a dissertation defense policy for consideration at the April 1974 meeting of the Graduate Council.

V. First Reading of Two Proposed Policies:

1. On University Employment and Advanced Student Status. (See Enclosure 2)
2. On Admissions for Advanced Study, Support and Family Relations. (See Enclosure 3)

1. The chairman pointed out that in an increasing number of cases full time graduate students were being given full time employment in the University, sometimes in their own department. Such dual full-time appointments tended to compromise adequate performance in both appointments with a consequent loss to both the appointee and the University.

He noted that the faculty expects the advanced students to be fully committed to their degree programs. We view this institution as a residential teaching-research university not an urban degree mill. Our goals in advanced studies should continue to be to address academic excellence and to solidify our considerable efforts to maintain our position among the top teaching-research universities in the country. We continue to expect rigorous disciplined scholarship. With these expectations and goals, the chairman finds the status of full-time student and that of full-time employee incompatible. The proposed policy, he suggested, while not precluding appropriate part-time employment, would encourage our graduates who have completed their course work and candidacy, to resist the well documented national tendency to ABD's to leave the University before getting their degrees by encouraging them to complete their final and most challenging requirements close to their mentors. Thus, the overall thrust of this policy is to encourage ABD's to stay at the University through a variety of part time positions other than faculty or staff positions in the department from which their degree is expected.

Full time employment of part time students, it was noted, is compatible with this proposed policy. Reminded of the current practice in some departments of nominating ABD's, close to receiving their Ph.D.'s, to full time temporary, visiting or provisional instructorships or even assistant professorships, Dr. Gordon granted that this indeed is incompatible with the proposed policy. Were it not for a recent tendency of tolerable exceptions to become the intolerable rule, the proposed policy could accommodate occasional well-grounded exceptions. As for the practice, in at least one department, of appointing a "senior ABD" to replace a regular faculty member on leave rather than appoint temporarily an outside ABD or new Ph.D., Dr. Gordon, without ignoring the humane motives for this practice, viewed it as a wasted opportunity for evaluating likely prospects for subsequent appointment to the regular faculty as well as risking academic inbreeding.

2. The proposed policy on admissions for advanced study, support and family relations evoked no discussion other than that it articulated clearly the current practice in the sociology department as well as two others in the Graduate School.

VI. Report on the Chairman

In his regular report on the state of advanced studies affairs, Dr. Gordon called attention to the following items:

1. Graduate Tuition: Tuition via the Graduate School, the Law School and the M.B.A. programs is part of the income projections of the University. In attempting to address the budget on a three year basis, tuition is programmed to rise at the rate of \$185 per year for at least the next three years. Thus, for 1974-75, it will be \$2,600; for 1975-76, \$2,785; and for 1976-77, \$2,970.

Comparative information for 20 private schools shows that for 1973-74, 15 of these institutions charged higher tuition than Notre Dame.

2. Student Support: The projected tuition increase is on the order of 7.5 per cent while the budgets to address this added expense increase on the order of 4 per cent. Add to this the fact that stipends must be increased to maintain a relatively comparable position among the graduate schools with whom we compete.

To meet these two demands, it is necessary to reduce the total number of supported students. Accordingly, beginning 1974-75, we will have 7.5 fewer graduate assistantships and the number will decrease an additional 5.5 the following year. The basic stipend for graduate assistants will rise to \$2,500 in 1974-75 and \$2,600 in 1975-76.

We have, at the same time, budgeted to maintain the 15 first year fellowships with a stipend increase of \$200 each year to 1976-77 at which point the present \$1,800 stipend will have increased to \$2,400. Similarly, the 12 dissertation year fellowships will be increased to 15 in 1974-75 with stipend increases, in the following two years, of \$200 per year to a total of \$2,400 in 1976-77.

We have maintained the level of academic year scholarship support with appropriate tuition increases through 1976-77.

These actions are consonant with the recommendations of the Task Force on Teaching and Research and its parent Committee, COUP. In short, these projections call for fewer students of better quality; and fewer supported students with higher stipends.

There are, among us, those who see graduate stipends as wages. While it is true that the IRS presently regards GA stipends as taxable, the history of graduate support, here and elsewhere, makes it very clear that the stipend and tuition scholarship are designed to assist a student in meeting the cost of education, not pay for it completely.

3. The pinch on graduate support funds is felt even more with the finaling out this year of our remaining 15 NDEA's, six NSF traineeship's, and seven NIH traineeships. This places a higher premium on the implementation of the standard of a maximum of four years support for any one graduate student.
4. Material for the Graduate Bulletin: A new biennial Graduate Bulletin to cover the years 1974-76 will be produced in the lat spring. We have requested input from the departments in accordance with the guidelines and deadline (March 1) communicated to you in our Graduate School Memorandum 13 of Jan. 1, 1974 to all department chairmen.
5. The COUP Report: The Report from the Committee on University Priorities has been re-leased via Notre Dame Magazine to encourage feedback from the various segments of the University. It is understood that this is a special committee report and not official University policy.

While the whole document pertains to us, specific sections address our immediate concern with post-bacclaureate studies, namely, the sections on advanced studies, teaching and research and academic disciplines. Dr. Gordon invited members to communicate by letter their comments on the general considerations and recommendations of the report.

VII. Other Business

1. Formal Training and Supervision of Graduate Assistants - (Dr. Gordon) Over the past several years, the Graduate Council has recognized the importance of some formal training for the graduate assistant and the development of an apprenticeship relation between the GA and the faculty members with whom he is associated. Dr. Gordon reported that he is presently exploring ways in which this learning experience could become a matter of formal record. This is particularly important for those graduate students who seek teaching positions.

Already several departments are conducting seminars and workshops for their GA's and developing mechanisms to assure helpful supervision of their teaching GA's. The faculty generally have recognized the importance of these initiatives.

Currently, GA's are restricted to nine out of 12 credit hours per semester, thus extending their stay in graduate school. At the same time, the GA support package includes full tuition. In view of these facts, Dr. Gordon proposed that:

Beginning in 1974-75, graduate assistants be allowed beyond the nine credit hours per semester of the present mix of formal courses, seminars, directed reading, dissertation research, etc., (all pertaining to their discipline and their degree programs), an additional total of three credit hours earned for some combination of seminars, workshops conducted by the departments on teaching, or supervised teaching. In this way, a credit hour total of 12, as opposed to the current nine, could be earned. The additional hours thus accumulated would become a matter of formal record and count toward completion of residence without in any way substituting for the formal course work required for the degree by the department.

For any given semester, the GA could thus register for one to three credit hours in a course labelled, e.g. "Teaching Methods in (subject-matter)," if such a course is offered. The unused credits of the three total for that semester would be available for a course of supervised teaching labelled "Teaching Practicum in (subject-matter)." In another semester, the entire three credits could be assigned to the "Teaching Practicum" for which some type of supervision with corrective feedback and guidance would have to be arranged.

Such a proposal is in line with various suggestions on work-study being pushed by Federal and Professional Agencies for graduate education. Along similar lines, Dean Crosson proposed to COUP that just as we provide several forms of encouragement for good research so it is time for us to emphasize and encourage good teaching - a proposal strongly endorsed by Dr. Gordon for our current and succeeding generations of aspiring teachers in higher education.

To implement such a program throughout the Graduate School the chairman suggested that the following steps would have to be taken. First, approval by the Graduate Council would be required for GA's to take the additional three credit hours to strengthen their teaching skills and supervised teaching. Secondly, each department or program would have to examine its position on providing such a seminar as well as on the regular on-going guidance and supervision of their GA teaching. To codify the program a common pair of catalogue course numbers could be found and set aside as is presently done with 698-699 for Dissertation and Research.

As a first move to get things underway, Dr. Gordon proposed the following motion to be considered at the next council meeting:

Graduate students holding graduate assistantships are normally restricted to a maximum of nine credit hours of course work or research per semester. However, the GA may register for and receive an additional three credit hours, graded "U" or "S," for a seminar on teaching methodology and professional aspects of higher education and/or for a supervised teaching practicum in the classroom or laboratory. Though these additional three credit hours count towards residency, they may not be substituted for formal course requirements in the subject-matter field.

Through dissemination of this proposal and prospective motion to the departments and faculty, it is hoped that the several academic units interested in participating will take the appropriate steps to insure inclusion of this feature of the program in the new biennial bulletin.

2. Current Literature on New Approaches to Graduate Education - (Dr. FitzGerald) As background on the growing pressure by the federal government, the Council of Graduate Schools and the accrediting agencies on graduate schools to re-evaluate, from within and without, their entire structure and operating procedures, academic and financial, the council secretary distributed the following documents to the members:
 1. Joint Statement of Accreditation of Graduate Work
Council of Graduate Schools in the United States; Federation of Regional Accrediting Commissions of Higher Education; National Commission on Accrediting
 2. "The Role of HEW in Educational Policy"
Joseph P. Cosand, Director of the University of Michigan Center for the Study of Higher Education and former Deputy Commissioner for Higher Education in the U.S. Office of Education (1972-73).
 3. Scholarship For Society, A report on Emerging Roles and Responsibilities of Graduate Education in America. Jointly sponsored by the Graduate Record Examination Board and the Council of Graduate Schools in the United States.
 4. "Reforms Urged in Graduate Education" - A concise review of #3 above.

The meeting adjourned at 5:20 p.m.

John J. FitzGerald
Secretary

Enclosure 1

Graduate Faculty

With regard to the constitution of the graduate faculty, there seem to be different ways of defining it (different sets of functions reserved for its members) and differing criteria for membership. Possible reserved functions and possible criteria would seem to be the following:

Reserved Functions

- A. Serve on and vote for members of Graduate Council
- B. Direct Ph.D. dissertations
- C. Chair Ph.D. examinations
- D. Serve as readers of Ph.D. dissertations
- E. Serve on Ph.D. candidacy boards
- F. Direct masters theses
- G. Teach graduate courses
- H. Serve on departmental graduate committees

Criteria for Membership

- 1. Ph.D. or equivalent
- 2. Actively engaged in scholarly research
- 3. Satisfactory graduate teaching performance (courses, candidacy boards, thesis and dissertation boards). This would involve a "probationary" period.
- 4. Satisfactory graduate teaching performance in the recent past. This would bring in the notion of periodic review of members and possible deletion.

Given these various "reserved functions" and "criteria for membership" it is possible to generate various conceptions of the graduate faculty. Here are some entertainable conceptions in order of increasing tightness.

- 1. (A, B, C) (1, 2)
The only functions reserved for graduate faculty members were A, B and C and to be member you had to satisfy only 1 and 2.
- 2. (A - H) (1, 2)
All graduate functions reserved for members of graduate faculty, but to be a member you had to satisfy only 1 and 2.
- 3. (A, B, C) (1, 2, 3)
The only functions reserved for graduate faculty members were A, B and C, but to be a member you had to satisfy 1, 2 and 3.
- 4. (A - H) (1, 2, 3)
All graduate functions reserved for members of graduate faculty, and to be a member you had to satisfy 1, 2 and 3.
- 5. (A, B, C) (1, 2, 3, 4)
The only functions reserved for graduate faculty members were A, B and C, but to be a member you had to satisfy 1, 2, 3 and 4.
- 6. (A - H) (1, 2, 3, 4)
All graduate functions reserved for members of graduate faculty, and to be a member you had to satisfy 1, 2, 3 and 4.

Obviously many other permutations and combinations are possible, but these six conceptions of the graduate faculty have been seriously propounded.

Which of these represents the present policy of your department with regard to graduate education? Secondly, if you were to rethink matters, which conception of the graduate faculty would you favor?

Tally of returns from departmental chairmen on the basis of options listed in the ad hoc committee's letter of Jan. 8, 1974.

<u>Conception</u>	<u>First Choice</u>	<u>Second Choice</u>
1.	9	1
2.	7	4
3.	2	0
4.	0	0
5.	0	1
6.	3	0

It should be noted:

1. While most of the chairmen were reached and reported by telephone as of Feb. 4, 1974 contact was yet to be established with three of them. Two other chairmen reported that the graduate work of their departments was so little that there was no purpose in their participating in the inquiry.
2. Obviously not all departments indicated a second choice. In one case figuring in the above tally the second choice represents present departmental practice and the first choice reported from the same department is what the department would like to work toward.

Enclosure 2

Policy on University Employment and Advanced Student Status

1. No person who is also a full-time employee of the University may be a full-time advanced student. Students in the Graduate School who have completed all requirements except the dissertation may be appointed as full-time employees under certain conditions (see 2 below).
2. Students who stand as candidates for degrees in the University of Notre Dame may be given temporary appointments as graduate assistants, research assistants or senior teaching fellows in the same department, but may not be appointed as members of the faculty or staff in that department.
3. As a full-time employee, the individual who is also a candidate for a degree, if eligible for the faculty-staff tuition fringe benefit, is therefore, ineligible for additional tuition support from the University.

Enclosure 3

Policy on Admissions for Advanced Study, Support and Family Relationship

It is the policy of the Office of Advanced Studies to admit all qualified persons to degree programs subject to the following conditions:

- (1) The approval of the vice president for advanced studies will be required prior to such admission, where an applicant is a close relative of a faculty member in the same department.

Approval will normally be given to any close relative meeting the admissions requirements for the particular program of advanced studies.

However, the department must provide written assurance from the chairman and senior staff that the faculty member will in no case be involved in any decisions affecting the academic status (including courses, examinations, grades and financial support) of the applicant.

Where an applicant is the spouse of a faculty member, he or she is entitled to tuition remission to a maximum of three credit hours per academic session (fall, spring and summer). Any other financial aid which might be available at the departmental level must be obtained in competition with other students from the department in which an applicant matriculates.

Faculty Senate Journal, February 6, 1974

Professor Haaser called the meeting to order at 7:40 p.m. and Rev. Charles Weiher, C.S.C. opened the meeting with a prayer.

Twenty-eight members were in attendance.

The minutes of the Jan. 23, 1974 meeting, which will appear in Notre Dame Report, were approved without amendments by a voice vote.

Since there were no committee reports, the senate moved to the second item on its agenda, two resolutions from the Committee on Administration. These resolutions had been distributed at the previous senate meeting and are contained in the minutes. The first resolution, with its preamble, was introduced by Professor Cushing. These follow.

According to Section II.2 of the present Bylaws of the Board of Trustees of the University of Notre Dame the President of the University can be elected only "from among the members of the Priests Society of the Congregation of Holy Cross, Indiana Province. . . ." Inasmuch as the office of president of a major university is an exceptionally demanding one, it appears unreasonable and unwise to limit so severely the body of candidates eligible for this position. Certainly the best qualified person, be he or she religious or lay, should be recruited as president of this institution. This in no way need be counter to the proclaimed Catholic character of Notre Dame.

Therefore, the Committee on the Administration of the University recommends that the Faculty Senate adopt the following resolution and forward it to the Board of Trustees for its consideration.

"Be it resolved that the Faculty Senate of the University of Notre Dame encourages the Board of Trustees to consider petitioning the Fellows of the University to change Section II.2 of the bylaws of the Board of Trustees so that any qualified person may be nominated for election to the office of President of the University."

Professor Cushing moved this resolution be adopted and Professor Robinson seconded it. In the discussion which followed Professors Rodes, Lyon, Weiher and Banas spoke against the resolution for various reasons, among them being the futility of the exercise, preserving the Catholic character of the University, and the need to maintain contact with our past traditions. Professors Robinson, Roos and Winicur, among others, supported the resolution citing the need to guarantee a sufficiently large pool of applicants from which to draw and the fact that the character of the institution need not change should a lay President be appointed. The resolution was passed by a show of hands with 15 for, 10 against and one abstention. (This total of 26 votes is consistent with the number of Senators present since Professor Haaser as chairman of the meeting does not vote and one senator who arrived late was not present when this vote was taken.)

Professor Tihen then read the following preamble and resolution.

PREAMBLE: If an individual is once granted employment, and is then subsequently refused continuance of that employment, simple justice and fair play would seem to require that the person be provided with some explanation of the reasons for this refusal. This principle applies under any circumstances of employment, whether the person be an industrial worker, a corporate executive, a household employee or in any other position, including that of membership on the faculty of an educational institution. It also applies whether the discontinuance of employment is brought about by actual dismissal or, equally effectively, by a refusal on the part of the employer to renew a contract of employment.

Under the provisions of the current Academic Manual, it is possible for the University of Notre Dame to refuse to renew the contract of an untenured faculty member for unspecified reasons. One would hope, and expect, that renewal would never be denied on any purely arbitrary or capricious basis. Regardless of hopes and expectations, we believe that the Academic Manual should contain provisions excluding even the possibility that this would occur. Further, the principle of justice mentioned above demands that a faculty member whose contract is not renewed be provided with some explanation of the reasons for nonrenewal if he or she so desires. The Academic Manual should make provision for supplying such an explanation.

The Faculty Senate therefore adopts the following resolution, and instructs the Secretary of the Senate to send copies of this resolution, including the preamble, to all members of the Academic Council:

RESOLVED: In accordance with Article V of the Academic Manual of the University of Notre Dame, the Faculty Senate hereby proposes to the Academic Council that Article III, Section 4, Subsection (a) of the Academic Manual be amended as follows:

- 1) Insert a new paragraph, immediately following the first paragraph, to read: "The procedure for reappointment is the same as for appointment. When a departmental committee recommends against the reappointment of an untenured faculty member, and that negative recommendation is approved by the President, then the chairman of the department shall convey orally to the faculty member in question the reasons of the committee for making a negative recommendation. If a positive recommendation for reappointment made by a departmental committee is not approved by the President, reasons for the disapproval shall be submitted to the chairman of the department through the dean. The chairman of the department conveys these reasons to the faculty member in question upon his or her request."
- 2) Delete from the present second paragraph, which will now become the third paragraph, the first sentence, namely: "The procedure for reappointment is the same as for appointment."

Professor Cushing seconded the resolution.

In the discussion which followed Professor Fiorenza proposed an amendment, seconded by Professor Goulet, that Professor Tihen's new paragraph to be inserted in the Academic Manual end with the sentence "These reasons shall be given in writing upon the request of the faculty member involved." The ensuing discussion was a lengthy one. Professor Lyon spoke several times pointing out that the abstract principles of simple justice and fair play, to which Professor Tihen referred in his preamble and to which few would take exception, would be transformed by force of the resolution itself into specific legal justice to be decided by litigation in court. He also suggested that a faculty member who was given a terminal contract might simply be told that the University felt it could do better in today's job market. Professor Cushing offered the opinion that this could be a valid reason for a departmental appointments and promotions committee, which is assumed qualified to pass on a professional competence, but not for the administration unless it could produce external supportive evidence for such a contention. Several senators, among them Professors Gleason and Roos, felt that if reasons were required to be given, then the various departmental committees would conduct their meetings in such a fashion that they could justify their decisions. Professor De Santis insisted that his long experience on such committees convinced him that it is not possible to know the reasons for which people vote the way they do. Professor Lamanna expressed doubt that it would in fact be possible to obtain the real reasons for which a faculty member was terminated if the administration did not wish to give it. Professor Jones, after a rather incisive analysis of the various classes of circumstances which result in an ultimately negative recommendation regarding promotion and tenure, suggested that it would probably be unwise to submit the proposal to the Academic Council again this year without substantial supportive evidence for the need for this requirement, since the council had defeated such a motion in its consideration of the Academic Manual last year. Both Professor Jones and Professor De Santis pointed out that it is invariably difficult to get faculty members to make public the details surrounding the termination of a contract. Professor Cushing asked whether a committee of the senate might petition the various departmental appointments and promotions committees for statis-

tical information on how often the administration has overturned positive recommendations without supplying these committees with sufficient reasons. Professor Pleasants moved that the motion be returned to an ad hoc committee, to be appointed by Professor Haaser, for the purpose of gathering such supportive evidence before presentation to the Academic Council. This was seconded and passed by a show of hands, there being 16 votes in favor of it.

Professor Rodes asked that this committee return a proposal which would include a recommendation for the systematic annual evaluation of untenured faculty members by the appointments and promotions committees in each department and that the results of these considerations be discussed with the faculty members concerned.

At 8:55 p.m. the Seante recessed for a 10-minute coffee break.

When the third item on the agenda arose, further discussion on a code of faculty ethics, Professor De Santis moved that this item be tabled. Professor Cushing seconded this and the motion carried unanimously.

The last item on the agenda was discussion of the Report of the Committee on University Priorities which appeared in the December 1973 issue of Notre Dame Magazine. In order that the senate can forward its comments on this report to Father Hesburgh before the spring meeting of the Board of Trustees, the three standing committees of the senate will consider the document and report their recommendations to the senate at its next regularly scheduled meeting on Wednesday, March 20, 1974.

In regard to Professor McLane's report on the Step-Rate Retirement Plan at Notre Dame, Professor De Santis quoted part of a letter from Father Burtchaeil to the effect that the University plans to lay more emphasis on salaries rather than on increased fringe benefits in the immediate future.

Professor Haaser will report at the next meeting on a plan to insure that one third of the faculty senate seats are filled with newly elected members each year as required by the Academic Manual.

The meeting adjourned at 9:20 p.m.

Those faculty senators absent from the present meeting without explanation are listed below.

Joseph Bobik (Philosophy)	Paul McLane (English)
James Daschbach (Aerospace)	William Rickhoff (Physics)
J. W. Hunt (Modern Languages)	Julian Samora (Sociology)
Aidan Kavanagh (Theology)	Thomas Smith (Chemical Engineering)
John Kromkowski (Government)	Morris Wagner (Microbiology)
Robert Leader (Art)	James Ward (History)
Don Linger (Civil Engineering)	

Respectfully submitted,

James T. Cushing
Secretary
The Faculty Senate

The Typical Freshman

The typical University of Notre Dame freshman

--is white, Roman Catholic, received above average high school grades, applied to and was accepted by more than one college or university, and chose Notre Dame because it "has a good academic reputation."

--is financially dependent upon a family where the income is between \$10,000 and \$25,000 and has a father and mother who both attended a college or university.

--is "middle-of-the-road" politically and believes strongly that women should get job equality, that the government should control pollution and protect the consumer, and that the wealthy should pay more taxes.

--is apt to be studying for a career as an engineer, physician or lawyer but believes that the most essential objective in one's education is "to develop a philosophy of life."

This is the composite Notre Dame student who emerges from the American Council on Education's annual survey of incoming freshman across the country.

Some areas in which Notre Dame students differed markedly from the national norm were average grades in high school (higher than the national average), number of applications to and acceptances by institutions of higher learning (more of each), highest degree planned (more post-baccalaureate goals), reasons for selecting one's college or university (93 per cent cited academic reputation versus national norm of 63 per cent), distance from college to home (greater), working mothers (fewer than national average), father's education (more beyond high school than national norm), residence and religion (more on-campus living and 97 per cent Roman Catholic versus national norm of 29 per cent). There are also significant differences between Notre Dame freshman and their national counterparts on the subject of large families. While half Notre Dame's freshman agree with the statement "large families should be discouraged," this compares with 72 per cent in agreement nationally. Also, 53 per cent of Notre Dame's freshman plan families of more than two children, compared with a national norm of 35 per cent.

Income of families of Notre Dame students does not differ greatly from the national norm. Fifty-three per cent of Notre Dame parents fall between \$10,000-\$25,000 compared with 59 per cent as a national norm. There are, however, 12 per cent of Notre Dame families with an income of \$50,000 or more, compared with a national figure of 6 per cent.

Mr. Anton C. Masin
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