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NOTRE DAME

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COLLECTION

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December 13, 1974

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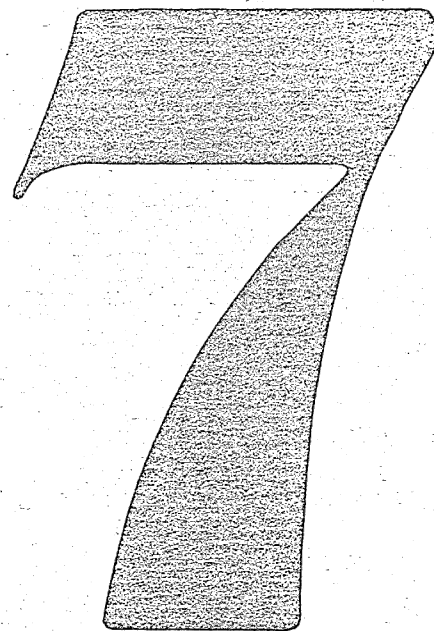
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the university

Search committee

A six-member search committee has been elected by the Arts and Letters College Council to receive and consider nominations for the post of dean of the college.

The five faculty members chosen from among full and associate professors in the college are Sister Isabel Charles, O.P., assistant dean of the college and associate professor of English, chairperson; Rev. David B. Burrell, C.S.C., chairman of the Department of Theology and associate professor of philosophy; Prof. Matthew Fitzsimons of the Department of History; Prof. Thomas Werge of the Department of English, and Prof. Ronald Weber director of the Program of American Studies.

The student member of the committee elected by the council is Michael J. Wahoske, a senior government major who also is a member of the Academic Council.

The election of the search committee followed Dean Frederick J. Crosson's announcement in October that he was leaving his administrative position at the end of this academic year and returning to teaching.

World hunger

Members of the University of Notre Dame student body, faculty and staff have been asked by their president, Rev. Theodore M. Hesburgh, C.S.C., to change their life styles and eating patterns during the coming months in a massive counterattack on hunger in the world. The remarks came during a Thanksgiving Mass Nov. 26 that followed a campus-wide tea and rice meal.

Father Hesburgh urged that "students join students from other universities and high schools in the nationwide effort to double our aid to the hungry. Faculty and administrators in formal education must clarify the issues of world hunger and provide moral leadership by solutions that are long range as well as crisis oriented," he said.

Memorial Library Hours

Saturday, December 21, 1974 - Monday, January 13, 1974

1st and 2nd Floors

OPEN: Monday - Saturday, 8 a.m. - 5 p.m.
CLOSED: Sundays; December 24 at noon; December 25; December 21 at noon; and January 1.

4th through 13th Floors (Tower)

OPEN: Monday - Saturday, 8 a.m. - 10 p.m.
Sunday, 1 - 10 p.m.
CLOSED: December 24 at 5 p.m.; December 25; December 31 at 5 p.m.; January 1.

The Research Libraries will be open Monday through Friday, 8 a.m. to noon and 1 to 5 p.m. They will be closed on the same days as noted above for the 1st and 2nd floors of the Memorial Library.

All libraries will return to their regular schedule on Tuesday, January 14.

Note:

The Interlibrary Loan Office in the Memorial Library has been moved to Room 108. The new telephone number is 6260.

faculty notes

Non-university appointments

Edward W. Jerger, associate dean of the College of Engineering, was elected national president of Pi Tau Sigma, the national mechanical engineering honorary fraternity at the fraternity's 54th Annual Convention held November 8-10 at the University of Notre Dame Center for Continuing Education.

Richard J. Sullivan, registrar, has been elected president of the Indiana Association of Collegiate Registrars and Admissions Officers (IACRAO).

Miscellany

Teoman Ariman, associate professor of aerospace and mechanical engineering, presented a paper entitled "Suspension Rheology, a Microcontinuum Approach," at the Winter Annual Meeting of the American Society of Mechanical Engineers in New York, November 19-22.

John J. Bernardo, assistant professor of management, presented a paper entitled "Attributes as a Determinant of Choice: A Linear Assignment Formulation" at the annual joint meetings of the Operations Research Society of America/The Institute of Management Science held in San Juan, Puerto Rico, October 16-18.

Robert Betchov, professor of aerospace and mechanical engineering, was invited by the National Science Foundation's Division of Higher Education in Science, to attend a meeting of its advisory panel in Washington to evaluate proposals submitted to the Faculty Research Participation Program, November 14-15.

Frank J. Bonello, associate professor of economics, and William I. Davisson, professor of economics, spoke on "Economics as a Laboratory Science" at a meeting of the Midwest A.S.E. membership at DePaul University, Chicago, November 8.

G.F. D'Alelio, research professor of chemistry, was guest lecturer at the University of California, Berkeley Campus, November 4-16. He delivered a colloquium lecture on "Polymers to do the Work of Steel" and presented a special seminar on "The Research Experience". Also, he conducted two Faculty Working Seminars on "The Design and Synthesis of Molecularly Structured Ampholyte Resins For Desalinization". Jointly with Prof. T. Vermeullen of Berkeley, he conducted three classes on "The Mechanism and Kinetics of Suspension Polymerization", "The Kinetics of Emulsion Polymerization" and "Radical Copolymerizations", and two special seminars on "The Depolymerization of Coal to Liquid Fuels" and "The Polymerizations of Silicates in Geothermal Waters". He also chaired and lectured at an informal seminar on "Problems Encountered in Polymer Science in the Transition from the Pure to the Applied Phases".

Rev. Robert Kerby, assistant professor of history, was invited to discuss three papers concerning the historical genesis of Vatican II's Decree on the Eastern Catholic Churches during Loyola University of Chicago's International Symposium on the Eastern Catholic Churches After Vatican II, held November 15-17.

Sr. Madonna Kolbenschlag, assistant professor of American Studies, John Lyon, chairman and associate professor in the General Program of Liberal Studies and Walter Nicgorski, associate professor in the General Program of Liberal Studies, participated in "A Search for Community Standards", a St. Joseph County public forum on obscenity and pornography. The three led group discussion sessions at the forum November 20 at Indiana University at South Bend.

Howard P. Lanser, assistant professor of finance and business economics, served as a discussant at the session on "Corporate Capital Structure Policies" at the annual meeting of the Financial Management Association, October 25, in San Diego, California.

office of advanced studies

Information Circulars

Council on Library Resources Academic Library Management Intern Program

No. FY75-48

The Council on Library Resources will again provide an opportunity for up to five mid-career librarians of outstanding leadership potential to participate in its management intern program. Each successful candidate will spend the 1975-76 academic year working closely with the director and top administrative staff of one of the country's great academic libraries, selected for its recognized administrative excellence. The individual programs of the interns will vary, as is inevitable in any activity based on personal relationships and interactions. In every case, however, the goal will be to expose the intern intimately and uniquely to the ways a director of a large academic library deals with the array of problems, long-term and short-term, that must be faced each day.

The internship covers a full year, with ten months spent at the host institution and one month in preparation of a report to the council. The remaining month is considered annual leave. Interns will receive the normal basic salary and benefits (up to \$20,000) paid by their employer during academic year 1974-75. The council will also provide some assistance for costs of moving and for attendance at approved meetings. Applicants must be librarians with at least five years of library experience at a professional level, under 45 years of age, and citizens of the U.S. or Canada or with resident status in either country. They should be individuals who have demonstrated the qualities of intellect, personality, and character required for leading positions in academic librarianship.

The deadline for completed applications is February 1, 1975. For further information, contact the Office of Advanced Studies, Extension 7378.

National Science Foundation Extension of Application Deadlines for Senior Foreign Energy Scholar and Faculty Fellowship in Science Programs

No. FY75-49

The National Science Foundation has extended the application deadline for the Senior Foreign Energy Scholars Program to February 28, 1975. NSF has also extended the application deadline for Faculty Fellowships in Science to February 7, 1975. The Energy Related Graduate (ERG) Traineeship program now includes graduate study on coal research as well as the environmental effects of energy production and use. The institutional deadline remains January 6, 1975.

Department of Health, Education and Welfare Fund for the Improvement of Postsecondary Education: The Comprehensive Program and the Special Focus Program

No. FY75-50

The authorizing legislation for the Fund identifies eight purposes for which grants and contracts may be awarded. These are:

- * encouraging the reform, innovation, and improvement of postsecondary education opportunity of all;
- * the creation of institutions and programs involving new paths to career and professional training, and new combinations of academic and experimental learning;
- * the establishment of institutions and programs based on the technology of communications;
- * the carrying out in postsecondary educational institutions of changes in internal structure and operations designed to clarify institutional priorities and purposes;

- * the design and introduction of cost-effective methods of instruction and operation;
- * the introduction of institutional reforms designed to expand individual opportunities for entering and re-entering institutions and pursuing programs of study tailored to individual needs;
- * the introduction of reforms in graduate education, in the structure of academic professions, and in the recruitment and retention of faculties; and
- * the creation of new institutions and programs for examining and awarding credentials to individuals, and the introduction of reforms in current institutional practices related thereto.

To fulfill its basic mission and to achieve these purposes, the fund administers several distinctive program competitions. Under the comprehensive program competition, applications are invited to submit proposals related to any or all of the purposes for which the fund can make awards. Under the special-focus program competition, applicants are invited to submit proposals related to a particular educational need or approach identified as an important and timely "target of opportunity" for concentrated programs. The special-focus program for FY75 is Education and Certification for Competence.

Proposals must be postmarked on or before January 15, 1975. Guidelines for both programs are available in the Office of Research and Sponsored Programs, Extension 7378.

American Heart Association Indiana Affiliate, Inc. National Research Fellowship Program

No. FY75-51

QUALIFICATIONS

- * Candidates must hold an M.D., or equivalent domestic or foreign degree by the time award is to be activated.
- * Awards are open to individuals who may or may not have had previous research experience, but who require additional research training and who are not yet clearly qualified to conduct independent research.
- * Limitations on citizenship, if any, should be predefined by the Affiliate Heart Association. Persons holding any visas can be eligible as if they were U.S. citizens, but it should be clear that the applicant will be able to complete the training year.

APPLICATION

- * Appropriate areas for research:
All basic disciplines, such as physiology, biochemistry, pathology, as well as epidemiological and clinical investigations

- which bear on cardiovascular problems, including renal diseases and stroke.
- * Responsibility for arrangements:
It is the applicant's responsibility to make all necessary arrangements for conducting the proposed research, both with the institution and with the sponsor.
- * Sponsor:
Sponsor will be responsible for organizing a planned research training program and for ensuring that adequate facilities are available. The research plan should be developed by the Fellow with the Sponsor's consultation. Sponsor should provide the Fellow general and technical advice and guidance during the year. If direct supervision is to be provided by someone other than the sponsor, it should be so noted.
- * Submission by applicant:
Applicant must use form R12B (Rev. 1974), "Application for Heart Association Research Fellowship Award."

STIPEND

The current total is \$12,000 -- \$6,000 from the American Heart Association and \$6,000 from the Indiana Affiliate.

DUE DATE

Applications are due January 15, 1975.

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

Current Publications And Other Scholarly Works

The list below includes works completed in Academic Year 1973-74 and not previously reported to the Notre Dame Report. The listing of more recent publications will resume in the next issue of the Report.

BUSINESS ADMINISTRATION

Finance and Business Economics

- Kilbride, Bernard J.
B.J. Kilbride. 1973. Young Dr. Malone-tax shelters. Intercollegiate Case Clearing House, Boston. CH0-273-617:26pp.

Management

- Houck, John W.
J.W. Houck. 1974. Seeking the good life. Notre Dame Magazine 3(3):18-20.

Marketing Management

- Dow, Frederick W.
F.W. Dow. 1974. Estrategia de Planeamiento. Imprenta y Ediciones Lexigrama Cia Ltda, Quito, Ecuador.
Mayo, Edward J.
E.J. Mayo. 1974. Positioning the regional tourism product. Research for Changing

Travel Patterns 4(1):208-220.

E.J. Mayo. 1974. Virginia: Profile of an Auto Vacation Destination. 3 M National Advertising Company, Bedford Park, Ill. 28pp.

ENGINEERING

Aerospace and Mechanical Engineering

Ariman, Teoman

H. McCloskey and T. Ariman. 1973. Elastoplastic thermal stresses in plates with circular holes. Second International Conference on Structural Mechanics in Reactor Technology in Berlin, Germany, September 10-14. 5(L):1-7.

R.F. Hegarty and T. Ariman. 1973. Seismic analysis of cracked reactor vessels. Second International Conference on Structural Mechanics in Reactor Technology in Berlin, Germany, September 10-14. 4(K):1-8.

Betchov, Robert

R. Betchov. 1974. Non gaussian and irreversible events in isotropic turbulence. Physics of Fluids.

R. Betchov and C. Lorenzen. 1974. Phase relations in isotropic turbulence. Physics of Fluids.

Biles, William E.

W.E. Biles, C.B. Estes, R.O. Hoffman, D.H. Kraft, and J. J. Talavage. 1973. The industrial engineer in environmental information systems. Pages 71-78 in, Proceedings of the First Annual Systems Conference, New York.

Brach, Raymond M.

R. M. Brach and D. R. Sharpe. 1973. Statistical analysis of type of counsel and plea bargaining in a criminal court. Pages 99-100 in, W. G. Vogt, M. H. Mickle and H. E. Hoelscher, eds. Socio-Economic Systems and Principles. University of Pittsburgh Press, Pittsburgh, PA.

Goddard, Vincent P.

V.P. Goddard and A. A. Szewczyk. 1974. Numerical solutions of the viscous flow past a circular cylinder with stream-wise velocity fluctuations. Archives of Mechanics of the Polish Academy of Sciences.

Huang, Nai-Chien

N.C. Huang. 1973. Inelastic buckling of eccentrically loaded columns. Pages 267-268 in, Proceedings of the Fourth Canadian Congress of Applied Mechanics Montreal.

N.C. Huang. 1973. Inelastic buckling of eccentrically loaded columns. AIAA Journal 11:974-979.

Lucey, John W.

P.F. Riehm and J.W. Lucey. 1974. Application of the stabilized march technique to a nonlinear problem of fluid flow. Transactions of the American Nuclear Society 18:133-134.

Mueller, Thomas J.

J.R. Lloyd, T.J. Mueller, and R.E. Waugh. 1973. Morphological changes in the thermal destruction of erythrocytes. Proceedings of the 26th Annual Conference on Engineering in Medicine and Biology 26:271.

J.R. Lloyd, T.J. Mueller, and R.E. Waugh. 1973. On in vitro thermal damage to erythrocytes. ASME Paper No. 73-WA/Bio-33. 7pp.

Nee, Victor W.

V.W. Nee. 1973. A simple method for the calculation of the inlet flow. Proceedings of the Tenth International Symposium on Space Technology and Science D52:1-7.

V.W. Nee, A.A. Szewczyk, and K.T. Yang. 1973. The stimulation of the atmospheric surface layer in the Notre Dame atmospheric wind tunnel. Bulletin of the American Physical Society 18(11):1488.

Novotny, Jerome J.

J.J. Novotny. 1974. The effect of pressure on heat transfer in radiating gases. Proceedings of the International Seminar on Heat Transfer from Flames, Trogir, Yugoslavia.

J.C. Bratis and J.L. Novotny. 1974. Radiation-convection interaction in an enclosed vertical layer. International Journal of Heat and Mass Transfer 17:23.

Raven, Francis H.

F.H. Raven. 1973. Engineering Mechanics. McGraw-Hill Book Co., New York. 614pp.

Szewczyk, Albin A.

A.A. Szewczyk. 1973. Numerical modelling of pollutant transport and dispersion in bays and estuaries. Proceedings of the International Conference on Numerical Fluid Dynamics.

V.P. Goddard and A.A. Szewczyk. 1974. Numerical solutions of the viscous flow past a circular cylinder with stream-wise velocity fluctuations. Archives of Mechanics of the Polish Academy of Science.

Chemical Engineering

Carberry, James J.

J.J. Carberry and A. Kulkarni. 1973. Non-isothermal catalytic effectiveness for monolith supported catalysts. Journal of Catalysis 31:41-50.

P. Costa and J.J. Carberry. 1973. Some remarks on segregation in the design of the CSTR. Chemical Engineering Science 28:2257-2259.

Civil Engineering

Deb, Arun K.

A.K. Deb. 1973. Optimization in design of water distribution network system. Proceedings International Symposium on Optimization in Civil Engineering, Liverpool, England.

Mak, Cary K.

C.K. Mak. 1973. Snap through buckling of a toggle truss in creep. Proceedings of Institution of Mechanical Engineers 21-33.

C.K. Mak and D.W. Kao. 1973. Finite element analysis of buckling and postbuckling behavior of arches. Journal of Computers and Structures 3:149-161.

C.K. Mak and S. Kelsey. 1973. Probabilistic buckling behavior of structures with random lack-of-fit and geometric imperfections. Proceedings of Second International Conference of Structural Mechanics in Reactor

Technology M7:10-24.

- C.K. Mak, D.W. Kao, L.H. Lee. 1973. Incremental variational method for the large displacement analysis of shells. Proceedings of International Conference on Variational Methods 7:76-91.
- McFarland, Andrew R.
A.R. McFarland and J.J. Stukel. 1974. Control Technology for Toxic and Hazardous Air Pollutants. Illinois Institute for Environmental Quality. 310pp.
- A.R. McFarland, H.S. Nye, and C.H. Erickson. 1973. Development of a Low-Pressure Impactor Aerosol Sampler. U.S. Environmental Protection Agency, National Technical Information Center. 78pp.
- Theis, Thomas L.
T.L. Theis and P.C. Singer. 1973. The stabilization of ferrous iron by organic compounds in natural waters. Pages 303-320 in, Trace Metals and Metal-Organic Interactions in Natural Waters, Ann Arbor Publications, Ann Arbor, Michigan.
- T.L. Theis and P.C. Singer. 1974. Complexation of iron (II) by organic matter and its effect on iron (II) oxygenation. Environmental Science and Technology 8(6):569-573.
- Electrical Engineering
- Henry, Eugene W.
M.K. Sain, E.W. Henry, and J.J. Uhran, Jr. 1973. An algebraic method for simulating legal systems. Simulation 21(5):150-158.
- Leake, R. Jeffrey
R. Sacks, R.M. DeSantis, and R.J. Leake. 1974. On causal decomposition. Transactions of IEEE AC-19(2):152-158.
- Liu, Ruey-wen
R. Liu. 1973. An approach to large-scale dynamical systems. Seventh Asilomar Conference on Circuits and Systems 21-32.
- R. Liu and L.C. Suen. 1974. On-line identification of periodic systems from an input/output data, the deterministic case. Proceedings of the IEEE International Symposium on Circuits and Systems 525-527.
- Melsa, James L.
J.L. Melsa and D.L. Cohn. 1973. A computer-based model of attitudes in multimodal transportation. Proceedings of Ground Transportation Symposium, Santa Clara, California.
- J.L. Melsa and D.L. Cohn. 1973. A computer-based model of attitudes in multimodal transportation. IEEE Transactions on Systems, Man and Cybernetics SMC-3(5):521-526.
- J.L. Melsa and G.J. Saver. 1973. Stochastic insect-pest control with variable observation policy. Proceedings of 4th Symposium on Nonlinear Estimation and its Applications, San Diego, California.
- J.L. Melsa and J.D. Gibson. 1974. Application of system identification techniques to speech digitization. Proceedings of Sixth Southeastern Symposium on System Theory, Baton Rouge, Louisiana.

- J.L. Melsa and K.D. Herring. 1974. Optimum measurements for estimation. IEEE Transactions on Automatic Control AC-19(3):264-266.
- J.L. Melsa and G.J. Saver. 1974. Stochastic control with continuously variable observation costs for a class of discrete nonlinear systems. IEEE Transactions on Automatic Control AC-19(3):234-239.
- J.L. Melsa, J.D. Gibson, and S.K. Jones. 1973. Vocal tract parameter identification using sequential estimation techniques. Proceedings of 1973 National Telecommunications Conference, Atlanta, Georgia.
- Uhran, John J.
J.J. Uhran. 1973. An algebraic method for simulating legal systems. Simulation 21(5):150-158.
- J.J. Uhran and S.P. Lee. 1973. Optimum signal and filter design in underwater acoustic echo ranging systems. IEEE Transactions on Aerospace and Electronic Systems AES-9(5):701-713.

Metallurgical Engineering

- Fiore, Nicholas F.
N.F. Fiore, D.S. Sampar, and H. Akita. 1973. Substructure control by solidification control in Cu crystals. Metallurgical Transactions 4:1593-1597.
- Kuczynski, George C.
G.C. Kuczynski. 1973. Shrinkage of interconnected pore system. Physics of Sintering 5:41-59.
- G.C. Kuczynski and O.P. Gupta. 1973. Model experiments of sintering in the presence of liquid phase. Physics of Sintering 5:187-200.
- J.J. Carberry and G.C. Kuczynski. 1973. Why radiation increases E.O. catalyst selectivity. Chemical Technology 237-241.
- Miller, Albert E.
A.E. Miller, T. D'Silva, and H. Igarashi. 1973. Magnetostriction of Dy₂Co₁₇ and Dy_xY_{2-x} intermetallics. AIP Conference Proceedings 2:1253:1257.

SCIENCE

Biology

- Bender, Harvey A.
F.E. Schwaalm and H.A. Bender. 1973. Early development of the Kelp fly, *Corlopa frigida*. II. Morphology of cleavage and blastoderm formations. Journal of Morphology 141:235-256.
- H.A. Bender, J. Mahoney, and J.G. Goldstein. 1974. Decisions: Medical genetics. Yale Reports 676:1-4.
- Cassidy, Joseph C., O.P.
J.D. Cassidy, O.P. and W.R. Marsh. 1973. The accessory nuclei of *Apis*, *Bombus*, and *Harbrobracon* oocytes. Genetics 74:39.
- Crovello, Theodore J.
T.J. Crovello. 1974. Computers in biological teaching. Bioscience 24:20-23.

- T.J. Crovello and C. Keller. 1973. Problems and procedures in the use of floristic data in a computerized data bank. Proceedings of the Indiana Academy of Science 82:116-122.
- K. Adler and T.J. Crovello. 1974. Careers in Biological Systematics. Official Publication of the Society of Systematic Zoology and of the American Society for Plant Taxonomy. 24pp.
- Rai, Karamjit S.
- K.S. Rai. 1973. Review of Walter V. Brown's Textbook of Cytogenetics. Bioscience 23: 499.
- S. Ved Brat and K.S. Rai. 1974. Duplication deficiency heterozygotes in Aedes aegypti. Heredity 32:225-230.
- J.J. McGivern and K.S. Rai. 1974. Sex-ratio distortion and directed alternate segregation of interchange complexes in a mosquito. Journal of Heredity 65:71-77.
- K.S. Rai, K.K. Grover, and N. Suguna. 1973. Genetic manipulation of the mosquito, Aedes aegypti. I. Use of a genetic marker and a chromosomal translocation in field studies. Bulletin of the World Health Organization 48:49-56.
- Thorson, Ralph E.
- P.J. Hitcho and R.E. Thorson. 1973. In vivo effect of the Williams and Law Mixture and ecdysterone on Nematospirides dubius. Journal of Parasitology 59:940-941.
- Tihen, Joseph A.
- J.A. Tihen. 1974. Review of Zdenek V. Spinar's Tertiary Frogs from Central Europe. Journal of Paleontology 48(1): 202-203.
- Trpis, Milon
- M. Trpis, T.R. Rao, J.D. Gillett, C. Teesdale, and R.J. Tonn. 1973. Breeding places and seasonal incidence of Aedes aegypti, as assessed by single-larva survey method. Bulletin of the World Health Organization 48:615-622.
- M. Trpis and E.J. Gerberg. 1973. Laboratory Colonization of Toxorhynchites brevipalpis. Bulletin of the World Health Organization 48:637-638.
- M. Trpis. 1974. An improved apparatus for soil. Zentralblatt für Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene. Erste Abteilung Originale Reihe A 226:418-424.
- M. Trpis. 1973. Adult population estimate of Toxorhynchites brevipalpis. Bulletin of the World Health Organization 48:756-757.
- Tweedell, Kenyon S.
- K.S. Tweedell. 1974. DNA synthesis and cell movement during regeneration in Tubulária. American Zoologist 14:805-820.
- K.S. Tweedell and W.Y. Wong. 1974. Frog kidney tumors induced by infected pronephric cell cultures. Journal of the National Cancer Institute 52:621-624.
- W.Y. Wong and K.S. Tweedell. 1974. Two viruses from the Lucke tumor isolated in a frog pronephric cell line. Proceedings of the Society for Experimental Biology and Medicine 145:1201-1206.
- Chemistry
- Basu, Subhash C.
- J.L. Chien, M. Basu, and S.C. Basu. 1974. Biosynthesis in vitro of an N acetyl-glucosamine containing ganglioside. Federation Proceedings 33:1225.
- M. Basu, J.L. Chien, and S.C. Basu. 1974. Enzymatic synthesis of blood group H related glycosphingolipid. Federation Proceedings 33:1225.
- Cason, Neal M.
- J.T. Powers, N.N. Biswas, N.M. Cason, V.P. Kenney, and W.D. Shephard. 1973. Compilation of data for π^+p inclusive reactions at 8 and 18.5 GeV/c. Single particle distributions. Physical Review D 8:1947-1964.
- N.N. Biswas, N.M. Cason, V.P. Kenney, J.T. Powers, and W.D. Shephard. 1973. Inclusive reactions: A new parametrization. Nuclear Physics B 59:273-278.
- J.V. Beaupré, N.N. Biswas, N.M. Cason, V.P. Kenney, and W.D. Shephard. 1973. Isospin analysis of the reactions $\pi^+p \rightarrow \pi(N\pi)$ at 8 GeV/c and comparison with the results at 16 GeV/c. Nuclear Physics B 66:93-105.
- Castellino, Francis J.
- W.J. Brockway and F.J. Castellino. 1974. A characterization of native streptokinase and altered streptokinase isolated from a human plasminogen activator complex. Biochemistry 13:2063-2070.
- Christensen, Kenner A.
- K.A. Christensen, D.M. Grant, R.J. Pugmire, and E.P. Black. 1973. Rotational diffusion anisotropy in near ellipsoidal molecules. Journal of the American Chemical Society 95:8465-8467.
- Duncan, James A.
- D.J. Pasto, J.A. Duncan, and E.F. Silversmith. 1974. Stereospecific thermal cycloadditions and catalyzed isomerizations. Journal of Chemical Education 51:277.
- B.W. Matthews, P.M. Colman, J.O. Selzer, L.H. Weaver, and J.A. Duncan. 1973. The crystal and molecular structure of N-(4-bromobenzyl) isoquinolinium 4-dithiocarboxylate. An adduct of N-(4-bromobenzyl) isoquinolinium bromide and carbon disulphide. Acta Crystallographica B 29:2939.
- Fehlner, Thomas P.
- T.P. Fehlner and D.W. Turner. 1973. Photoelectron spectrum of HBS. Journal of the American Chemical Society 95:7175-7177.
- Hentz, Robert R.
- R.R. Hentz. 1973. Radiation chemistry. Pages 943-945 in, C.A. Hampel and G.G. Hawley, eds. The Encyclopedia of Chemistry. Von Nostrand Reinhold, New York.
- I. Mihalcea and R.R. Hentz. 1973. Transient species from the reaction of the hydrated electron with hexacyanocobaltate (III). Revue Roumaine de Chimie 18(9): 1577-1580.
- Kozak, John J.
- R.A. Goldstein and J.J. Kozak. 1974. A study of the asymptotic behavior of the D-dimensional Ising model. Physica 71:294-324.

- J.J. Kozak and C.J. Benham. 1974. Denaturation: An example of a catastrophe. Proceedings of the National Academy of the United States of America 71(5):---
- I.B. Schrodtt, J.J. Kozak, and K.D. Luks. 1974. The square-well potential. IV. Use of a modification of the Kirkwood superposition approximation. Journal of Chemical Physics 60:170-175.
- Nowak, Thomas
- T. Nowak. 1973. Monomethylammonium ion as a magnetic resonance probe for monovalent cation activators. Journal of Biological Chemistry 248:7191-7196.
- T. Nowak. 1974. Physical studies of the interaction of methylamines with muscle pyruvate kinase. Federation Proceedings.
- Scheidt, W. Robert
- P.N. Dwyer, J.W. Buchler, and W.R. Scheidt. 1974. Crystal structure and molecular stereochemistry of α, γ -dimethyl- α, γ -dihydrooctaethylporphinationickel (II). Journal of the American Chemical Society 96:2789-2795.
- Microbiology
- Pleasant, Julian R.
- J.R. Pleasants. 1973. Review of J.B. Heneghan's, ed. Germfree Research Biological Effect of Gnotobiotic Environments. ASM News 39:684-485.
- Wostmann, Bernard S.
- B.S. Reddy J.R. Pleasants, and B.S. Wostmann. 1973. Metabolic enzymes in liver and kidney of the germfree rat. Biochimica et Biophysica Acta 320:1-8.
- Physics
- Bishop, James M.
- P.H. Stuntebec, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Inclusive production of K_0^0, Λ^0 , and $\bar{\Lambda}^0$ in 18.5 GeV/c π^+p interactions. Physical Review D 9:608-620.
- N.M. Cason, W.B. Madden, J.M. Bishop, N.N. Biswas, V.P. Kenney, W.D. Shephard, and P.H. Smith. 1974. Study of the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^0$ at 18.5 GeV/c. Nuclear Physics B64:14-28.
- E.J.B. Terreault, D.O. Nuwe, J.M. Bishop, J.A. Malko, B.A. Munir, B.G. Reynolds, F.L. Scheider, and L.J. Simmaegdi. 1973. Inclusive positive positive-pion production in antiproton-neutron interactions at 3.5 GeV/c. Physical Review D 8:2004-2012.
- Biswas, Nripendra N.
- K. Paler, N.M. Cason, P.H. Stuntebeck, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Factorization in the inclusive reactions $\pi^+p \rightarrow \Lambda + X$ and $K^+p \rightarrow \Lambda + X$. Physics Letters 48B:151-154.
- P.H. Stuntebeck, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Inclusive production of K_0^0, Λ^0 and $\bar{\Lambda}^0$ in 18.5 GeV/c π^+p interactions. Physical Review D 9:608-620.
- N.M. Cason, W.B. Madden, J.M. Bishop, N.N. Biswas, V.P. Kenney, W.D. Shephard, and P.H. Smith. 1973. Study of the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^0$ at 18.5 GeV/c. Nuclear Physics B64:14-28.
- Bose, Samir K.
- S.K. Bose and M.Y. Wang. 1974. Elastic scattering in Kerr metric. Journal of Mathematical Physics 15:6.
- Browne, Cornelius P.
- C.P. Crowne, D.K. Olsen, J. Chao, and P.J. Riley. 1974. States in ^{85}Kr from the $^{84}\text{Kr}(d, p)$ reaction. Physical Review C9:1831-1838.
- J.D. Goss, A.A. Rollefson, C.P. Browne, R.A. Blue, and H.R. Weller. 1973. ^{15}C states via the $^{14}\text{C}(d, p)^{15}\text{C}$ reaction. Physical Review C8:514-517.
- Cushing, James T.
- J.T. Cushing and C.-J. Chen. 1973. Conlomb corrections to $\pi\pi$ scattering. Physical Review D 8:542-555.
- Goss, John D.
- J.D. Goss, C.P. Browne, and A.A. Rollefson. 1973. Mass discrepancy in the iron region. Physical Review Letters 30:1255-1257.
- C.P. Browne, J.D. Goss, and A.A. Rollefson. 1973. States of ^{25}Al up to 7.8 MeV excitation and the mass of ^{25}Al . Physical Review C 8:1805-1812.
- J.D. Goss, G.A. Huttlin, C.P. Browne, and A.A. Rollefson. 1974. States of ^{55}Co via the $^{58}\text{Ni}(p, t)^{55}\text{Co}$ reaction. Physical Review C 9:227-236.
- J.D. Goss, A.A. Rollefson, C.P. Browne, R.A. Blue, and H.R. Weller. 1973. ^{15}C states via the $^{14}\text{C}(d, p)^{15}\text{C}$ reactions. Physical Review C 8:514-517.
- Johnson, Walter R.
- W.R. Johnson and C.-P. Liu. 1974. Dirac-Hartree-Fock calculation of the $Z^3S_1 \rightarrow 1^1S_0$ transition rates for the He isoelectronic sequence. Physical Review A 9:1486-1493.
- Kenney, V. Paul
- J.V. Beaupre, N.N. Biswas, N.M. Cason, V.P. Kenney, and W.D. Shephard. 1973. Isopin analysis of the reactions $\pi^+p \rightarrow \pi(N\pi)$ at 8 GeV/c and comparison with the results at 16 GeV/c. Nuclear Physics B66:93-105.
- K. Paler, N.M. Cason, P.H. Stuntebeck, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Factorisation in the inclusive reactions $\pi^+p \rightarrow \Lambda + X$ and $K^+p \rightarrow \Lambda + X$. Physical Letters 48B:151-154.
- P.H. Stuntebeck, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Inclusive projection of K_0^0, Λ^0 , and $\bar{\Lambda}^0$ in 18.5 GeV/c π^+p interactions. Physical Review D 9:608-620.
- Marshalek, Eugene R.
- J. Krumlinde and E.R. Marshalek. 1973. A solvable model for describing quasinotational bands in transitional nuclei. Lettre al Noovo Cimento 7:679.
- Mihelich, John W.
- J.W. Mihelich, A.G. Schmidt, E.G. Funk, M.C. Madden, and L.L. Riedinger. 1973. E1-M2-E3 admixtures and B(E3) values for transitions from $K^\pi=2^-$ octupole states in ^{174}Yb and ^{182}W . Page 301 in, J. de Boer and M.J. Mang, ed. Proceedings of the International Conference on Nuclear Physics in Munich, Germany.

- Poirier, John A.
C.A. Rey, A.J. Lennox, J.A. Poirier, and K.P. Pretzl. 1974. New parameters for Δ^{++} resonances from 2170 to 3490 MeV in π^+p backward elastic scattering. Physical Review Letters 32:908-911.
- Rey, Charles A.
W.F. Baker, D.P. Eartly, K.P. Pretzl, S.M. Pross, A.A. Wehmann, P. Koehler, A.J. Lennox, J.A. Poirier, C.A. Rey, and O.R. Sander. 1974. Energy dependence of backward π^+p elastic scattering from 2 to 6 GeV/c. Physical Review Letters 32:251-253.
- Rollefson, A. Andre
J.D. Goss, C.P. Browne, and A.A. Rollefson. 1973. Mass discrepancy in the iron region. Physical Review Letters 30:1255-1256.
C.P. Browne, J.D. Goss, and A.A. Rollefson. 1973. States of ^{25}Al up to 7.8 MeV excitation and the mass of ^{25}Al . Physical Review C 8:1805-1812.
J.D. Goss, G.A. Huttlin, C.P. Browne, and A.A. Rollefson. 1974. States of ^{55}Co via the $^{58}\text{Ni}(p,\alpha)^{55}\text{Co}$ reaction. Physical Review C 9:227-236.
- Shephard, William D.
J.T. Powers, N.N. Biswas, N.M. Cason, V.P. Kenney, and W.D. Shephard. 1973. Compilation of data for π^+p inclusive reactions at 8 and 18.5 GeV/c: I. Single particle distributions. Physical Review D 8:1947-1964.
N.N. Biswas, N.M. Cason, V.P. Kenney, J.T. Powers, and W.D. Shephard. 1973. Inclusive reactions: A new parametrization. Nuclear Physics B 59:273-278.
J.V. Beaupré, N.N. Biswas, N.M. Cason, V.P. Kenney, and W.D. Shephard. 1973. Isospin analysis of the reactions $\pi^+p \rightarrow \pi(N\pi)$ at 8 GeV/c and comparison with the results at 16 GeV/c. Nuclear Physics B 66:93-105.
K. Pater, N.M. Cason, P.H. Stuntebeck, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Factorisation in the inclusive reactions $\pi^+p \rightarrow A+X$ and $K^+p \rightarrow A+X$. Physics Letters 48B:151-154.
P.H. Stuntebeck, N.M. Cason, J.M. Bishop, N.N. Biswas, V.P. Kenney, and W.D. Shephard. 1974. Inclusive production of K_1^0 , Λ^0 , and $\bar{\Lambda}^0$ in 18.5 GeV/c π^+p interactions. Physical Review D 9:608-620.
N.M. Cason, W.B. Madden, J.M. Bishop, N.N. Biswas, V.P. Kenney, W.D. Shephard, and P.H. Smith. 1973. Study of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^0$ at 18.5 GeV/c. Nuclear Physics B 64:14-28.
- LAW
- Alexandrowicz, Charles H.
C.H. Alexandrowicz. 1973. The Dichotomy in Control of Legal Education. University of Poona, India.
C.H. Alexandrowicz. 1973. The European - African Confrontation: A Study in Treaty Making. Sijthoff, Leyden, Netherlands.
C.H. Alexandrowicz. 1973. The Law-Making Functions of the Specialized Agencies of the United Nations. Angus and Robertson, London.
C.H. Alexandrowicz. 1973. The Partition of Africa by Treaty. Bristol University Publications, England.
- Beytagh, Francis X.
F.X. Beytagh. 1974. Prescribed courses as prerequisites for taking bar examinations: Indiana's experiment in controlling legal education. Journal of Legal Education Fall.
F.X. Beytagh. 1974. Prescribed courses as prerequisites for taking bar examinations: Indiana's experiment in controlling legal education. Res Gestae June.
- Dutile, Fernand N.
F.N. Dutile. 1973. Criminal law and procedure-bringing it home. Journal of Legal Education 26:106-112.
- Murdock, Charles W.
C.W. Murdock. 1973. Choosing the form of business entity - some reflections upon the conventional wisdom. The Chicago Daily Law Bulletin 119:1-3.
C.W. Murdock. 1974. Capital Losses in a partnership: Potential surprise to the partner contributing his services. The Chicago Daily Law Bulletin 120(57):1-3.
C.W. Murdock. 1974. Compensating services and capital in a partnership agreement. The Chicago Daily Law Bulletin 120(78):1-3.
C.W. Murdock. 1974. Cumulative voting: What it can and cannot do. The Chicago Daily Law Bulletin 120(8):1-3.
C.W. Murdock. 1974. Tax sheltered securities: Is there a broker-dealer in the woodwork? The Hastings Law Journal of Hastings College of Law, University of California 25:518-546.

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
Belgian American Educational Foundation, Inc.	Independent Study and Research	January 31, 1975
MacDowell Colony	Residence Fellowships	January 31, 1975
National Endowment for the Humanities	Public Programs	January 24, 1975
University of Edinburgh	Research Fellowships	January 31, 1975

documentation

Faculty Senate Journal November 6, 1974

Professor James Cushing called the meeting to order at 7:35 p.m.; Professor Ronald Weber offered a brief prayer. The minutes of the last meeting were then approved. Thirty-nine members attended.

Professor Cushing noted receipt of several letters which approved recent actions undertaken by the senate and one or two others which voiced dissent. Rev. Theodore Hesburgh, C.S.C., has been invited to meet with the executive committee to discuss the several reports of the senate to which he has, as yet, made no response. Recalling the North Central Association's accrediting report, which urged increased communication between administration and faculty, Professor Cushing cited the proposed meeting as a potentially useful beginning toward better understanding on matters of mutual concern. Finally, Professor Cushing reported the transmission of a further letter to Father Hesburgh in which he requested salary increase figures by college for the past year. These figures are needed to reconcile apparent discrepancies between faculty members' statements of their increments and the figures, expressed as percentages, cited by the president in his annual address to the faculty. The president's figures are higher than any which can presently be ascertained.

In consequence of comments offered by members of the Board of Trustees concerning the usefulness to them of the senate's various reports and informational materials, Professor Cushing again raised a question about the desirability of transmitting all such items to the members of the board. Because a number of trustees have indicated a need to receive them, the senate agreed without dissent that in the future they be forwarded to all members of the board.

Two committees offered reports. Professor William McGlinn, chairman of the Liaison Committee to the Board of Trustees, stressed his committee's satisfaction with the trustees' receptivity to the faculty's problems and their sensitivity to current issues. Professor McGlinn believed that further action on such issues as the proposed Faculty Budget Preview Committee could be expected at the trustees' meeting in January, 1975. Members of the senate expressed warm interest in the means by which this proposed committee would be constituted and agreed to append Professor McGlinn's report as an Appendix to these Minutes. Professor James Danahy next spoke for the Committee on the Retired now being formed under his chairmanship. After remarking the past contributions of Professor Paul McLane, now emeritus, to informed opinion concerning retirement benefits and related issues, Professor Danahy described the need to press ahead in several areas pertinent to the material, professional, and psychological well-being of our retired faculty.

Attention now turned to the main item of business, discussion of the Report of the Committee on the Course of Study. By common agreement, debate on all items was limited to 10 minutes with the exception of Items I, IV, and V, to which 15 minutes were allotted. The following is a resume of the debate - (Reference may be made to NDR #3 for the complete text of the report):

Section II--Cross-College Enrollment (Recommendations 3-4): No objections were expressed.

Section III--Combination Five-Year Bachelor-MBA Program (Recommendations 5-9): This is not an uncommon direction in contemporary curricula; it derives primarily from re-

sponses to demand in the marketplace. The flexibility required to pass upon the qualifications of individual applicants for the program will exist in the envisioned program. No objections were expressed.

Section VI--Minicourses (Recommendations 17-20): Some departments seem unenthusiastic. Many faculty members view the proposal as a nuisance. Specialized topics may, however, be pursued in this way. The various departments must create minicourses appropriate to their disciplines and only in response to demand. Breaks could be utilized by those who wished to teach and to take minicourses, and optional free electives might be enhanced for our students through them. Any tendency to use such courses to convert, in effect, to a quarter system, should be avoided, as should scrambled curricular eclecticism.

Section VII--Educational Technology: Television (Recommendations 21-24): These recommendations provoked extended, vociferous criticisms. How rather than whether to use such technology seems the thrust of the report. Experiences with these methods conduce to a conviction that they are too impersonal to be employed except as a last recourse: for example, to extend education into remote hinterlands. A proponent argued that difficult staffing situations in some departments and colleges warranted thus extending our capacities to the mutual benefit of students and faculty. Others, however, maintained a teacher's sole advantage over a book is that a teacher answers questions; televisions do not. Further, the method of choice between a television and a book would invariably be the book. Television instruction failed in elementary schools. Such a proposal is at least a decade in arrears of educational practice and experience. From the professor's point of view, it is disastrous because one cannot discern who is learning and who is not. Recommendation 23 lacks merit in any case because we lack the equipment necessary to implement it. The sole agreed advantage might be to reduce the frustrations of students who fail to secure admission to high-demand courses. Professor Gerald Jones, seconded by Professor John Lyon, moved that the senate urge the Academic Council not implement Recommendation 23, which had earlier been criticized as constituting an inappropriate "directive" to department chairmen. The motion carried by voice vote.

Section VIII--Advanced Placement and Credit by Examination (Recommendations 25-31): Skepticism about this issue took the form of a lament for the proposal's want of specifics concerning when and how such examination would be administered, the increase in the faculty's workload inevitable if such a practice as placement by examination became common, the vagueness inherent in determining what level of achievement constitutes a "Pass" for these purposes ("D," "C," or other criteria?), and the awkwardness inherent in many high schools' requirement that students attend classes for three and one half years regardless of their progress toward diplomas as measured by credits. The debate evinced a lack of enthusiasm for advanced placement and credit by examination as things unwieldy and of unproven academic value. Professor John Lyon, seconded by Professor Gerald Jones, moved that the senate recommend that the Academic Council place a period in Recommendation 29 at the end of the phrase "as they meet the admission requirements of Notre Dame." This wording would, it was explained, eliminate conflicts between the University's admissions requirements and the varied requirements among high schools for diplomas. The motion passed by voice vote.

After a brief recess, debate continued on the remainder of the Report of the Committee on the Course of Study:

Section IX--Leave of Absence Policy (Recommendation 32): This recommendation for easing the conditions under which students might be granted leaves of absence received strong and unanimous support.

The following items, as earlier agreed, were debated for 15 minutes each:

Section I--Relations between the College of Science and the College of Arts and Letters (Recommendations 1-2): Opinion on this issue proved severely split. Some members felt such a ligature could only result in the creation of an administrative muddle and figurehead dean because no single individual could reasonably be expected to understand fully the needs of all the disciplines embraced. Others stressed the report's intended preoccupation with the welfare of our students, who currently tend to over-stress the chasm which they wrongly perceive as separating science and the humanities and who suffer, additionally, from various, severe curricular problems arising from the divided jurisdictions. The split, many argued, fosters intellectual insularity, while numerous administrative models exist for the conjunction which is of course, the rule rather than the exception in American higher education. In general, favorable sentiments existed for Recommendation 2, and many members stressed the need to examine this issue further with special emphasis upon its bearing upon our students' well-being.

Section IV--Senior Seminar (Recommendations 10-24): The recommendations for a required seminar in ethical values for seniors met with vigorous opposition. One speaker assailed these notions: that any values could be taught in a single semester which had not been inculcated during the preceding three and one half years, that a single hour per week could achieve such an end, that general meetings for speeches drawn from this already scant class time could meaningfully forward such an endeavor, that the faculty universally possessed the required expertise implied, that the seminar could be viewed otherwise than as a movement toward a 10-hour teaching load, that the recommendations could honestly be divorced from the vexed issues implicit in other proposals for the creation of a "Catholic faculty," and that--in any case--much could hereafter be salvaged from a proposed course which the student body already considers "a joke." Although a proponent stressed the seminar's objectives as a discussion of values to "raise consciousness" rather than as a regimented inculcation of them, other speakers persisted in doubting the idea's merit. If such a seminar involves "consciousness raising," are the departments of theology and philosophy not implicitly criticized for a failure to impart values? Specific courses on contemporary issues already plentifully exist. And our students appear, in the main, to possess reasonably high principles at present. Professor James Danehy, seconded by Professor Robert Kerby, moved that the senate express opposition to Recommendation 10 to the Academic Council. The motion carried by voice vote with only one "nay."

Section V--University Requirements: Freshman Year of Studies Requirements (Recommendations 15-16): Professor Kerby, seconded by Professor Vincent DeSantis, moved that further discussion be delayed until the next meeting. The motion was defeated. The opinions then expressed centered upon several points. In effect, the recommendations merely formalize existing requirements without changes. To this, it was answered that the stated requirements do involve some changes; for example, BFA candidates are required by it to take courses not presently demanded of them. The science requirement is hereby made more flexible. It is useful to start with a concrete curricular plan like this one in preference to requesting that the entire matter be subjected to further study. The report provides no rationales for the curriculum it stated because the report aims only at codifying existing practice, not at justifying it. Professor Vaughn McKim, seconded by Professor Norman Haaser, moved that the senate recommend the Academic Council established a standing Committee on the Course of Study. The motion passed by voice vote.

The meeting adjourned at 10:30 p.m.

Those neither present nor excused were Professor W.J. Gajda (electrical engineering), J. William Hund (modern and classical languages), Sydney Kelsey (civil engineering), Harold Moore (general program of liberal studies), Mario Picconi (management), Sue Seid (music), and Morris Wagner (microbiology).

Respectfully submitted,

Leslie Howard Martin
Secretary
The Faculty Senate

Appendix

Report on the October 17 Meeting of the Faculty and Academic Affairs Committee of the Board of Trustees

The Faculty and Academic Affairs Committee, chaired by Dr. Rosemary Park, met at 3:45 p.m. on Thursday, October 17.

Two items of old business were considered first:

- 1) The Administration response to Committee W's (of the AAUP) report concerning part-time but regular faculty and their tenure track: Father Burtchaeil reported he expected an administrators' meeting this fall to make a recommendation to the Academic Council in November.
- 2) Honor Code or the Honesty Question: Father Burtchaeil again indicated a report from an appointed faculty committee should be ready for the Academic Council in November.

A discussion then ensued concerning which of several reports (COUP, Faculty Senate Reports and the North Central Evaluation Report) should be considered first. It was decided to consider the Faculty Senate report on the Budget.

The discussion focused on the use of discretionary surplus funds (ranging in the past

three years from \$1.5 to 2.5 million). Dr. O. Meredith Wilson, with others, suggested that this was really a question of setting priorities. Father Burtchaeil made several points. a) The accounting system has conformed to national standards. This system has been changed this year due to changes in these standards. b) In past years unrestricted gifts had to be used for plant building and renovation. Despite COUP recommendations that they go to endowment, plant needs have not allowed this except for 1972-73, and it now appears that they may have to continue to serve plant needs in the absence of any depreciation or capital item in the budget. c) Probably our only hedge against inflation in the future is to find ways of increasing endowment at the same time as we handle annual needs. d) Any consideration of salary needs in the fact of inflation must include staff as well as faculty. Father Burtchaeil said he was anxious for the senate to take more notice of staff needs than its earlier report had.

Faculty representatives agreed it was a question of priorities but questioned whether it is wise or fair at this time to apparently give the building of the endowment top priority at least in part at the expense of faculty salary increases. Professor Press distributed data comparing "Big-Ten" faculty compensation with that of N.D. faculty.

The discussion then turned to faculty participation in the budgeting process. Dr. Wilson outlined a procedure used in two of the universities with which he has been associated. A representative faculty body was presented a shadow budget and their reaction was received before the budget was completed--that is, the faculty formed a budget preview committee. There was general agreement that there is little value in a review committee. Dr. Gordon noted that because of the difficulty in understanding all the nuances of the process, the novices must rely on the experts. Dr. Gordon did not believe this kind of committee will be of value, since the faculty members lack the time or expertise.

There were several suggested mechanisms for obtaining faculty input on the budget:

- 1) Two elected faculty to work fully with the officers of the University in the budgeting process.
- 2) A broader-based faculty representation.
- 3) An elected group from the Faculty Senate.

The meeting was recessed at about 6:30 p.m. and reconvened after dinner at the Morris Inn.

The first topic discussed in the evening session was the North Central Accrediting Report. The main question concerning the report was its public release. There were objections to the release and questions as to what was to be gained by its publication. Some thought the report reflected poorly and inaccurately on graduate education. It was moved and seconded that the report be published in the Notre Dame Report with a brief introduction and the list of the evaluation committee. The motion passed.

The Board of Trustees had requested that the administration respond to the COUP Report. Father Burtchaeil had asked the appropriate administrators to respond to specific recommendations of the COUP Report. These reactions were to be sent to all members of this committee so that at this meeting the committee could consider them. Due to an oversight the faculty members did not receive them. The Board of Trustees expects a report from this committee on January 14, 1975. Since the committee could not consider the administration responses at this time it was agreed that on-campus members meet to discuss key areas and decide if there is a need for a meeting of the committee as a whole before January 14.

The question of the setting of the agenda for future meetings of this committee was raised. It was agreed that the secretary (a faculty representative) formally convene the faculty and obtain their priorities, then meet with Father Burtchaeil and, with the chairperson, set the final agenda. It was agreed that the two Faculty Senate Reports, on Appointments and Promotions Process and on the Legal Implications of Religious Preference in Employment at Notre Dame, be on the agenda for the next regular meeting of this committee.

The committee adjourned at about 9 p.m.

At the full Board of Trustees meeting Friday morning, Dr. Rosemary Park gave her committee report. Faculty members were in attendance at this time. She recommended forcefully that the administration establish a Budget Preview Committee. She also emphasized the need for increased faculty compensation. This was supported by other board members--both members of the Faculty Affairs Committee and others. In particular, Dr. Wilson spoke of the need to include the recent \$600 bonus in the base salary of faculty members.

William D. McGlinn, chairman
Senate Liaison Committee to Board of Trustees

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