

notre dame report

contents

the university

- 615 Three Join Board of Trustees
- 615 Yang Named to Engineering Chair

faculty notes

- 616 Appointments
- 616 Honors
- 616 Activities

administrators' notes

- 620 Appointments
- 620 Activities

documentation

- 621 Summary of Board of Trustees Meeting
May 3, 1985
- 622 Academic Council Minutes
April 15, 1985
- 625 Faculty Senate Journal
April 10, 1985
- 628 University Libraries Minutes
--March 25, 1985
- 629 --May 6, 1985
- 631 --Corrections to ARL Statistics
- 632 Summary Annual Report for TIAA/CREF Retirement
Annuity Plan for Faculty and Administrators

advanced studies

- 633 Special Notices
- 633 --Jesse H. Jones Faculty Research Fund
for 1984-85
- 634 --Jesse H. Jones Faculty Research Equipment
Fund for 1984-85
- 634 Information Circulars
- 634 --Science
- 635 --Engineering
- 636 --General
- 637 Current Publications and Other
Scholarly Works
- 640 Awards Received
- 642 Proposals Submitted
- 643 Summary of Awards Received and Proposals
Submitted
- 643 Closing Dates for Selected
Sponsored Programs

84-85
number 19

July 5, 1985

the university

three join board of trustees

The University has added three persons to its board of trustees. They are:

-- Elizabeth T. Kennan, president of Mount Holyoke College, South Hadley, Mass. A specialist in medieval monasticism and intellectual history, Kennan has published extensively and lectured in colleges and universities in the United States and abroad. She is a 1960 graduate of Mount Holyoke and received her M.A. from Oxford University and her Ph.D. from the University of Washington in Seattle. She taught at the Catholic University of America from 1966 to her appointment as president of Mount Holyoke in 1978.

-- James R. Rinehart, chairman of the board of the Clark Equipment Co., South Bend. Rinehart became president of Clark Equipment Company in 1981 after a 28-year career with General Motors which saw him rise to president and general manager of General Motors of Canada Limited. He was elected chairman of Clark's board in 1982. A graduate of Yale, he has also done postbaccalaureate study in law and in management at Harvard University.

-- Alfred Stepan, dean of the faculty of international and public affairs at Columbia University. A 1958 Notre Dame alumnus, Stepan took a B.A. and M.A. at Oxford University and earned a doctoral degree in comparative politics from Columbia in 1969. He taught at Yale University from 1969 to 1983 and was director of its concilium on International and Area Studies. An authority on Latin American affairs, Stepan is the author of numerous monographs and two books, one dealing with Peru, the other Brazil. His father, Alfred C. Stepan, who died last year, was for many years a trustee of Notre Dame.

yang named to engineering chair

Dr. K.T. Yang, professor of aerospace and mechanical engineering and noted researcher in the development of computer models that describe the spread of smoke and fire, has been appointed to the Viola D. Hank Chair in the University's College of Engineering, according to Provost Timothy O'Meara.

Raised in Shanghai, Yang came to the United States in 1948 to study mechanical engineering at the Illinois Institute of Technology, Chicago, where he received bachelor's, master's and doctoral degrees. While completing his doctorate in heat transfer, Yang worked for a consulting engineering firm as a research engineer specializing in thermodynamic design analysis. He joined the Notre Dame faculty in 1955 and was promoted to professor and chairman of the mechanical engineering department in 1968. During his chairmanship the mechanical and aeronautical engineering departments merged to form the aerospace and mechanical engineering department, which he headed until 1978. He has served as a corporate and governmental consultant, and he is internationally recognized for his contributions to UNSAFE, a computer program that describes the spread of smoke, gases and flames during fires in enclosed areas such as aircraft cabins.

The Viola D. Hank Chair honors the widow of Chicago banker and industrialist Bernard J. Hank, who is memorialized by an endowed chair in the College of Business Administration. Their three sons are Notre Dame alumni, and two daughters are alumnae of Saint Mary's College.

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faculty notes

appointments

Terrence J. Akai, assistant professor of aerospace and mechanical engineering, has been appointed assistant dean for computing in the College of Engineering and concurrent associate professor in his department. His duties will include developing plans and policies for computing in the college, consulting and assistance for college users and teaching the engineering concepts course.

Thomas J. Mueller, professor of aerospace and mechanical engineering, has been appointed director of engineering research and graduate studies in the College of Engineering and will handle administrative functions governing the college's research and graduate programs. He will also be in charge of research services that include shops, the drafting room and the surface analysis laboratory. He is taking over the duties previously handled by Assistant Dean William B. Berry, who is returning to teaching and research as a full professor in the electrical engineering department.

honors

Thomas P. Fehlner, chairman and professor of chemistry, was elected a fellow of the American Association for the Advancement of Science during the association's annual meeting in Los Angeles, Calif., in May.

Rev. Theodore M. Hesburgh, C.S.C., president of the University, has been honored by the French government with the rank of commander in the Order of Arts and Letters. The recognition is for his contributions to the arts and the humanities and was extended by Jack Lang, the French minister of culture. The order of Arts and Letters was established in 1957. He was also rated third in influence in the field of education in U.S. News and World Report's annual survey of the nation's "influence hierarchy." Derek Bok, president of Harvard, was ranked No. 1 and William Bennett, secretary of education, No. 2. Father Hesburgh has been ranked among the top leaders in education, and sometimes also in religion, every since the magazine began its survey some years ago.

Ruey-wen Liu, professor of electrical engineering, has been reappointed for the third time to the editorial board of the IEEE Proceedings in 1985.

Anthony N. Michel, professor of electrical engineering, has been elected a corporate director of the National Engineering Consortium.

Kenneth F. Ripple, professor of law, was appointed United States Circuit Judge for the Seventh Circuit May 10. He also received the Distinguished Professor award presented by the Notre Dame Law Class of 1985.

Thomas J. Schlereth, professor of American Studies, has been appointed to a two-year term as a member of a National Advisory Council at the Art Institute of Chicago to oversee the exhibition, publications, and educational activities planned for a program, "Chicago Architecture and its International Context," to take place in Paris, Montreal, Frankfurt, and Chicago, 1987-89.

Mary Katherine Tillman, associate professor in the Program of Liberal Studies, has received the 1985 Sheedy Award for excellence in teaching in the College of Arts and Letters. A former assistant provost, Dr. Tillman began teaching at Notre Dame in 1973 and has directed many of the Great Books seminars in her department.

Thomas L. Whitman, chairman and professor of psychology, has been appointed to the editorial board of the American Journal of Mental Deficiency.

activities

Hafiz Atassi, professor of aerospace and mechanical engineering, presented an invited seminar titled "Interaction of Vortical Waves with Airfoils" at Carnegie-Mellon University, Pittsburgh, Pa., May 14.

William B. Berry, assistant dean for research and graduate study and professor of electrical engineering, served on the evaluation panel for the ASEE-NASA Space Glove Design Competition held in Washington, D.C., May 31.

Ana Maria Bidegain de Uran, faculty fellow in the Kellogg Institute, gave a presentation titled "La participacion del Laicado en el nacimiento de la Teologia de la Liberacion (1945-1980)" during the L.A.S.A. meeting April 18-20, Albuquerque, N.M. She also presented "Sexualidad, Vida Religiosa y situacion de la mujer en America Latina" in the "Congres sur la Femme en Amerique," Toulouse, France, April 28-29. The meeting was sponsored by Universite de la Sorbonne - Nouvelle Paris III and Universite de Toulouse.

Joseph Blenkinsopp, professor of theology, participated in the annual Jewish-Christian encounter at Valparaíso (Ind.) University May 2. He also coordinated and led the fifth season of excavation at Capernaum, Israel, May 24-June 21.

Richard Burns, adjunct associate professor of English in the Arts and Letters London program, gave a series of courses for teachers and social workers at the Cambridge Institute of Education titled "Children's Writing: Image and Imagination," April 22 and 29, May 13 and 20, and June 3 and 10.

Alan B. Cain, assistant professor of aerospace and mechanical engineering, presented a seminar titled "Free Shear Layers in the Presence of a Wall" at McDonnell Douglas Aircraft, St. Louis, Mo., May 16.

Dino S. Cervigni, associate professor of modern and classical languages, read a paper titled "La valletta dei principi: tempo e spazio come redenzione" at the 11th triannual convention of the Associazione internazionale studi lingua e letteratura Italiana, held in Toronto, Canada, May 6-10. At that convention he was also elected one of the four American representatives of the international association.

Daniel M. Chipman, associate professional specialist in the Radiation Laboratory, presented a paper on "Electron Affinity of Hydroxyl Radical" at the 18th annual Midwest Theoretical Chemistry Conference, Milwaukee, Wis., May 16-18.

Michael J. Crowe, professor in the Program of Liberal Studies, presented an invited address titled "Ten Misconceptions about Mathematics and Its History" at a conference on the history and philosophy of modern mathematics at the University of Minnesota, Minneapolis, May 18.

Guillermo J. Ferraudi, associate professional specialist in the Radiation Laboratory, presented a paper titled "The Photochemistry of Metallo Phthalocyanines: Sequential Two-Photon Photochemistry and Magnetic Field Perturbations" at the Ninth DOE Solar Photochemistry Research Conference, New Paltz, N.Y., June 3-6.

Richard F. Foley, associate professor of philosophy, read a paper titled, "Kim on Naturalized Epistemology" at the Western Division meeting of the American Philosophical Association, Chicago, April 26.

Astrik L. Gabriel, professor and director emeritus of the Medieval Institute, gave a public

university lecture May 23 at the invitation of the History Department and Schermer Trust Fund of Youngstown State University titled "Pictorial History of Medieval and Renaissance Student Life."

Maira Marti Geoffrion, associate professor of art, art history and design, was a visiting artist in the art department of the University of Cincinnati, Ohio, May 13-17. She also has been invited to exhibit one drawing, "Our Time Came," in "Focus International: American Women in Art," an exhibition and conference (United Nations World Conference on Women, 1985) July 7-18 in Nairobi, Kenya.

Andre Goddu, assistant professor in the Program of Liberal Studies, presented a paper titled "A Statistical Examination of Accounts of Exorcism in the Acta Sanctorum" at the 20th International Congress on Medieval Studies, Western Michigan University, Kalamazoo, May 9-12.

Denis Goulet, O'Neill professor of education for justice, gave the keynote address, "The Three Rationalities: Technical, Ethical, and Political," at the Conference on Alternative World Futures, Seattle, Wash., May 16.

William G. Gray, chairman and professor of civil engineering, gave a presentation titled "A Higher Order Model for Dispersion in Porous Media" at the spring meeting of the American Geophysical Union in Baltimore, Md., May 30.

Roger F. Jacobs, director of the law library and professor of law, gave an invited lecture titled "Service Standards for Law Libraries" at a meeting of the Canadian Association of Law Libraries, Fredericton, New Brunswick, May 14.

Edward W. Jerger, professor of aerospace and mechanical engineering, presented a paper titled "Effective Hazard Mitigation through Building Design" at EMERGENCY 85, the Third International Congress for Emergency Disaster Preparedness and Relief, Washington, D.C., May 22.

Prashant V. Kamat, assistant professional specialist in the Radiation Laboratory, presented a paper titled "Photoelectrochemistry and Polymer and Clay-Modified Electrodes" at the Ninth DOE Solar Photochemistry Research Conference, New Paltz, N.Y., June 3-6.

Rev. Charles Kannengiesser, S.J., Huisking professor of theology, gave a lecture titled "Arianism in the Current Debate" for the department of religious studies at John Carroll University, Cleveland, Ohio, April 24. He lectured on "The Urban Foundations of Christianity" at the spring conference of the American Society of Church History held at Miami University, Oxford, Ohio, April 25-27, and spoke on "Origen's Journey into the Latin Middle Ages" at the 20th International Congress on Medieval Studies, held at Western Michigan University, Kalamazoo, May 9-12. He lectured on "Pseudo-Athanasius, Third Oration Against the Arians" at the national meeting of the North American Patristics Society May 16-18, and gave three

lectures on the reception of councils at the annual conference of the Irish Theological Society, Dublin, Ireland, May 23-25.

John J. Kozak, assistant dean in the College of Science and professor of chemistry, gave an invited lecture, "Diffusion on Fractals" at the Institute for Theoretical and Physical Chemistry, University of Tübingen, West Germany, recently. He was also an invited participant at the International Conference on Synergetics, Schloss Elman, West Germany, May 6-11.

William J. Krier, associate professor of English, presented a paper, "Lonesomeness, Marriage, and High Noon," at the annual conference of the American Culture Association, Louisville, Ky., April 3-6.

Charles F. Kulpa, associate professor of microbiology, presented a seminar on "Inducible Characteristics of the Iron and Sulfur Pathways of *Thiobacillus ferrooxidans*" for the department of bacteriology at the University of California at Davis May 24. He also gave an invited presentation titled "Studies on the Mechanism and Regulation of Iron and Sulfur Oxidation in *Thiobacillus ferrooxidans*" at the Workshop on Biotechnology for the Mining, Metal-Refining and Fossil Fuel Processing Industries, held at Rensselaer Polytechnic Institute, Troy, N.Y., May 28-30, and presented a seminar on "Microbiology and Genetics in Pollution Control" at Argonne National Laboratory June 11.

Ruey-wen Liu, professor of electrical engineering, gave two lectures on "The Algebraic Theory of Linear and Nonlinear Feedback Systems" at the University of California at Berkeley, April 16-18, and delivered a seminar on "A Theory of Generalized Linear Functions: Global Sensitivity, Diagnosis and Nonlinear Estimation" at Stanford University May 15. He also has organized a Special Session on Nonlinear Problems and Chaotic Phenomena and chaired another Special Session on New Tools for Nonlinear Circuit Analysis at the 1985 IEEE International Symposium on Circuits and Systems, held at Kyoto, Japan, June 4-7.

Robert P. McIntosh, professor of biology, presented a talk titled "Intellectual Roots" at the Cary Conference on the status and future of ecosystem science held at the Mary Flagler Cary Arboretum, Millbrook, N.Y., April 28 - May 1.

Rev. Ernan McMullin, O'Hara professor of philosophy, took part in the 25th anniversary commemoration of the Boston Colloquium in Philosophy of Science May 7, and spoke on "New Problems in Philosophy of Science." He commented on a paper by Paul Humphreys on "Experimental Realism" at a conference on Scientific Realism at the University of Pittsburgh, Pa., May 10. He lectured on "Newton's God" in the Science and Religion series at the University of Chicago May 16, and he delivered two lectures on "The Anthropic Principle" at the annual conference of College Science Teachers at Loyola of Baltimore, May 31 - June 1.

Patricio Meller, faculty fellow in the Kellogg Institute, gave presentations at Boston University titled "Analysis of a Small Open Economy Facing a Severe External Bottleneck" April 5, and "Analysis of Chilean Economic Problems" April 8.

Rev. John A. Melloh, S.M., associate professional specialist in theology and coordinator of the John S. Marten Program in Homiletics and Liturgics, participated as an invited guest in the Archdiocese of Milwaukee's Convocation on Church Music June 4-7.

Robert C. Nelson, associate professor of aerospace and mechanical engineering, gave a presentation titled "Visualization of Vortex Breakdown on a Delta Wing" at the 1985 Subsonic Aerodynamic Testing Association Meeting, Williamsburg, Va., May 14. He also presented an after-dinner talk titled "Visualization of Vortex Flow at Large Angles of Attack" to the AIAA Southwest Chapter in Dallas, Tex., May 29.

Dean A. Porter, director of the Snite Museum and associate professor of art, art history and design, and Rev. James Flanigan, C.S.C., associate professor of art, art history and design, juried the Sixth Michigan Artists Competition at the Art Center, Battle Creek, May 29.

Richard E. Ricker, assistant professor of metallurgical engineering and materials science, made a presentation on corrosion fatigue research at ALCOA's Second Invitational Workshop on Aluminum-Lithium Alloys, held in Somerset, Pa., June 5.

Kenneth F. Ripple, professor of law, argued *Ramirez v. Indiana*, a case dealing with the Interstate Agreement on Detainers, before the Supreme Court of the United States, Washington, D.C., March 19, and delivered a lecture titled "Constitutional Litigation in the Context of Military Law" at the Homer Ferguson Conference, George Washington University, Washington, D.C., May 13.

John F. Santos, director of the Center for Gerontological Education, Research and Services and professor of psychology, delivered an invited address titled "Care and Service Delivery for the Elderly" to the staff of the Veterans Administration Medical Center in Little Rock, Ark., May 28. He also served as an invited participant in a conference on Geriatric Mental Health Services Research in Key Biscayne, Fla., June 6-8. The conference convened a selected group of basic and applied mental health researchers, state policy makers, representatives of private research foundations and NIMH staff to develop research priorities and collaborative mental health projects for the National Institute of Mental Health.

William D. Shephard, professor of physics, was an invited participant at the 15th International Symposium on Multiparticle Dynamics, Kiryat Anavim, Israel, June 9-14.

Janet E. Smith, assistant professor in the Program of Liberal Studies, gave a talk on "The Role of Women in the University" for the National Coalition of Catholic Women in Glenview, Ill., May 13.

J. Eric Smithburn, professor of law, lectured on the law of sentencing and probation to 65 state trial court judges from throughout the United States at the National Judicial College, University of Nevada-Reno, May 5-10.

Dennis M. Snow, assistant professor of mathematics, participated in the International Conference, "Journées Complexes", at the University of Nancy, France, May 20-24.

Lee A. Tavis, C.R. Smith professor of business administration and professor of finance, presented a paper titled "Allocating Multinational Resources when Objectives Conflict: A Problem of Overlapping Systems," and chaired a session titled "Modeling Corporate Strategies" at the national meetings of the Institute of Management Science and the Operations Research Society of America, held in Boston, Mass., April 30.

Laurence R. Taylor, professor of mathematics, gave an invited address titled "Smoothings of Euclidean 4-space" at the Conference on Groups and Topology at Rutgers University May 7.

J. Kerry Thomas, Nieuwland professor of chemistry, presented an invited lecture, "The Chemical Consequences of the Fact that Oil and Water Do Not Mix, an Example of Chemistry in Neglected Dimensions," at Northwestern University, Evanston, Ill., May 30.

John J. Ubran, Jr., professor of electrical engineering, coauthored three papers at the 1985 Statewide Academic Microcomputer Conference, held in Indianapolis, Ind., April 24-26: "Real Simulation for the IMB-PC: Socioeconomic Problems," with William I. Davisson, professor of economics, presented by Dr. Davisson; "Real Simulation for the IMB-PC: Engineering Problems," with Dr. Davisson and Ramzi Bualuan, graduate student in electrical engineering, presented by Bualuan, and "Microcomputer Emulation as a Teaching Tool," with S. Govindarajan.

Chris R. Vanden Bossche, assistant professor of English, presented a paper titled "Crossing the Threshold: The Endangered Home and the Constitution of the Family" at the annual meeting of the Midwest Victorian Studies Association held at the Newberry Library, Chicago, Ill., April 27.

Rev. Joseph L. Walter, C.S.C., chairman of preprofessional studies and associate professor of chemistry, as national president of Alpha Epsilon Delta, the honorary premedical society, was the installing officer for the 147th Chapter of AED at Michigan State University. He presented the Charter of the Chapter to the administration and students of M.S.U. at the official ceremonies and banquet in East Lansing May 11.

Alexander W. Wilde, associate academic director in the Kellogg Institute and visiting associate professor of government and international studies, presented a paper on "The Catholic Church and Colombian Politics" at the Conference on Contemporary Colombia at the U.S. Department of State, Washington, D.C., May 8.

Rev. Oliver F. Williams, C.S.C., assistant professor of management, gave an invited paper on the U.S. Catholic Bishops Pastoral Letter on the Economy at the annual convention of the Catholic Theological Society of America, San Francisco, Calif., June 7.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "FTIR Studies of Ethylene Oxidation on Pt/SiO₂" at the spring meeting of the Michigan Catalysis Society, Michigan State University, East Lansing, May 14.

Frederick D. Wright, assistant professor of government and international studies and director of the Black Studies Program, served as project evaluator for the Summer Institute in African-American Culture for New Jersey College Faculty. The Institute was funded by the New Jersey Department of Higher Education and held in Trenton, N.J., June 2-9.

administrators' notes

appointments

Ann M. Stockmann Firth, a Chicago lawyer who received her bachelor's and law degrees at Notre Dame, has been appointed director of residence life at the University. The position is newly created within the Student Affairs division. As primary judicial hearing officer, Firth will handle routine student disciplinary matters and advise Student Affairs officials of judicial policy and residence hall staff development. She will also assist in the development and implementation of policies affecting all aspects of residence life at the University. She was graduated from Notre Dame with a bachelor's degree in 1981 and a law degree in 1984. A member of the Illinois bar, she has worked for the Chicago law firm of Orner, Wasserman & Moore, Ltd., for the past year.

Rev. Andre Leveille, C.S.C., director of vocations for the Holy Cross Priests, has been appointed director of Notre Dame's Office of University Ministry by Rev. David T. Tyson, vice president for student affairs. Father Leveille succeeds Rev. Daniel R. Jenky, C.S.C., who has left the position to become a superior of the Holy Cross community at Notre Dame. Father Jenky will continue as rector of Sacred Heart Church.

activities

Howard G. Adams, executive director of the National Consortium for Graduate Degrees for Minorities in Engineering, Inc., was the banquet speaker for the following Minority Engineering Award Programs/Banquets: University of Michigan, March 16; Kansas State University, April 12; University of Maryland, April 13; University of California, Berkeley, April 17. He also gave invited lectures on "Addressing the Educational Needs of Junior and Senior High Minority Youth" at a conference for junior/senior high school counselors, March 20, SUNY Maritime College, Bronx, N.Y., and at the annual conference, Mid-Eastern Association of Educational Opportunity Program Personnel, April 29, Virginia Beach, Va.

William J. Hickey, Jr., director of food services, received a second place award in the medium school/specialty restaurant or shop category, and a third place award in the medium school/catering special events category (for Junior Parents' Weekend) in the Dining Concepts Awards Contest sponsored by the National Association of College and University Food Services. Suzanne Farnia, manager of marketing and nutrition services, received a second place award in the Residence Hall Standard Menu category in that contest.

Three University administrators gave presentations at the Big Ten Landscape Architects and Ground Operations Managers Association annual meeting, held at Notre Dame May 22-24. Dale A. Getz, assistant superintendent of grounds, spoke on "Tree Care at Notre Dame"; Michael T. McCauslin, environmental health and safety specialist, gave a presentation on the University Grounds Department's Hearing Conservation Program, and Terry Wilkin, assistant director of personnel, spoke on employee assistance programs and their role in higher education.

documen- tation

summary of the board of trustees meeting may 3, 1985

1. Dr. Thomas P. Carney, Chairman of the Board, called the meeting to order, and Rev. Richard V. Warner, C.S.C., offered the opening prayer.
2. Dr. Alfred C. Stepan, III, Dean of the School of International Affairs at Columbia University, was introduced as a newly elected trustee. Another new trustee, Mr. James E. Rinehart, chairman of Clark Equipment Company, was unable to be present.
3. The minutes of the fall (Nov. 16, 1984) meeting of the Board were approved.
4. Mr. Paul F. Hellmuth was re-elected Secretary of the Board.
5. The president of the University, Rev. Theodore M. Hesburgh, C.S.C., reported on a meeting of the Fellows which had taken place immediately prior to the convening of the Board. He said that two Fellows -- Rev. John C. Gerber, C.S.C., and Mr. Jerome W. Van Gorkom -- had been re-elected to terms on that body ending in 1991. The terms of eight trustees were renewed until 1988.
6. Dr. Carney presented the report of the Nominating Committee. He said that Mayor Henry Cisneros of San Antonio had accepted membership on the Board.
7. Father Hesburgh reviewed highlights of the Executive Committee meeting at Key Biscayne, Fla., Feb. 8-9, 1985. Its minutes were approved.
8. The report of the University Relations Committee, centered on a projected fundraising campaign, was presented by Chairman Frank E. Sullivan and Dr. William P. Sexton, vice president. The campaign and its leadership were formally approved by the Board.
9. Forthcoming University special events were reviewed briefly by Dr. Sexton.
10. The report of the Academic and Faculty Affairs Committee was presented by its chairman, Dr. Martha E. Peterson. She said the Committee's deliberations of the previous day focused on faculty development, student financial aid, and the minority student situation.
11. Rev. Edward A. Malloy, C.S.C., the Associate Provost, presented a Curriculum Committee progress report.
12. Mrs. Kitty Arnold, director of Career and Placement Services, briefed the trustees on the programs and operations of her office.
13. At luncheon, the Board adopted a resolution of gratitude, designating Joseph I. O'Neill, Jr., a trustee emeritus of the University. Mr. O'Neill had served on the Board and its predecessor body since 1957.
14. Father Hesburgh presented the Report of the President. He concluded by asking and receiving the trustees' formal approval of the honorary degree candidates for the May 19th Commencement.

15. The report of the Student Affairs Committee was presented by Chairman Anthony F. Earley. He said the previous day's meeting had centered on faculty-student relations, a projected student activity fee and the University's policy concerning investing in American firms doing business in South Africa.

16. Rev. David T. Tyson, C.S.C., Vice President for Student Affairs, reported on the implementation of the University's alcohol policy. He also described the projected addition to and the renovation of the LaFortune Student Center.

17. Mr. Robert K. Wilmouth, as chairman, presented the report of the Investment Committee.

18. An Alumni Association report was offered by its president, Mr. Terrence E. Keating. He noted that Mr. Joseph F. Dillon of South Bend, Ind., had been elected to succeed him as president of the alumni organization for 1985-86.

19. The Board of Trustees passed a resolution expressing its gratitude to Dr. James W. Frick for his service as a trustee and as Officer of the Board.

20. The Provost, Prof. Timothy O'Meara, made a presentation on the proportion of men and women undergraduates, the admissions policy, and its implications for academic and social life at Notre Dame.

21. The report of the Financial Affairs Committee was presented by Mr. Thomas J. Mason, Vice President for Business Affairs. The Board approved a 1985-86 fiscal year budget of \$162,664,700, including tuition and fee increases to be announced.

22. A listing of Board of Trustees committee assignments was circulated by Dr. Carney.

23. Two technical resolutions were approved.

24. Dr. Carney announced that he would appoint and chair an ad hoc trustees' committee to meet with interested students and faculty members to discuss the Board's South African investment policy.

25. All those present who are not trustees were excused, and the Board then proceeded with a review of the performance of the Officers of the University.

James E. Murphy
Associate Vice President
Briefing Officer

minutes of the academic council meeting april 15, 1985

1) Father Hesburgh asked Professor O'Meara to open the meeting with a prayer.

2) As an item of information arising out of the discussion at the last meeting of the Council, Professor O'Meara distributed a brief report prepared by the Dean of Administration comparing undergraduate class size 1974-1984. Breakdowns according to number of sections, course levels, and college resulted in evidence that no major changes have occurred over the ten-year period, with average class size for all courses moving from 29.1 ('74) to 29.5 ('84). While average class size in Arts and Letters and Business Administration has dropped slightly, in Engineering and Science it has increased. Professor O'Meara remarked that this data was for the Council's information only.

3) Father Hesburgh then turned the meeting over to Father Malloy who explained the voting procedure for the Curriculum Committee items before the Council: since items 1 through 5 related to course requirements, they would be voted on separately and then as an interrelated package. Items 6, 7, 8, as related but not integral to the curriculum, would be voted on separately. As he presented each of the five items, Father Malloy summed up the major issues raised in Council discussion and/or written comments and reminded the Council of pertinent data.

Father Malloy then introduced the motion on the Mathematics Recommendation 1(a) and (b). He pointed out that 1(a), as the current requirement, needed no vote. At issue was 1(b) "That at least one course in this skill be required during the first year of study, and that the second semester be completed by the end of the sophomore year."

In the course of discussion, Warren Wong proposed the following amendment to change 1(b):
that the two courses in this discipline normally be completed within the Freshman Year.

This amendment was seconded and approved by voice vote.

Father Malloy then moved the Fine Arts/Literature Recommendation 2(a) and (b), both parts of which required a vote.

- (a) "That one course be required of all students in the fine arts or in literature."
- (b) "This requirement can be met at any time before graduation."

After a few clarifications as to the nature of the courses as envisioned by the committee, the question, including (a) and (b) was called. The motion was approved by unanimous voice vote.

Father Malloy presented for vote the Science Recommendation 3(a) and (b), remarking that (b) was at issue:

"That the required courses in science be completed by the end of the sophomore year."

Discussion followed on the need for curricular flexibility versus the advisability of completing the requirement in the Freshman year. When the question was called, a voice vote proved inconclusive. A hand vote on 3(b) revealed:

14 YES

25 NO

As a result of this vote, the present policy of the Freshman Year of Studies continues to apply, i.e., the Natural Science requirement must be satisfied within the first two years. During the Freshman Year a student must take either a natural science or a foreign language.

Father Malloy placed on the floor Item 4(a), the History/Social Science Recommendation:

"That the present requirement of one course in history/social science be expanded to two courses. This requirement can be fulfilled by one course in social science, by two courses in history, or by two courses in social science."

In the course of discussion, Kevin Corbly moved the following amendment to substitute for 4(a):

that the present requirement of one course in history/social science be expanded to one course in history and one course in social science.

The amendment was seconded, and, after discussion, approved by voice vote.

Father Malloy then introduced the Philosophy Recommendation 5(a) and (b). Since (a) is the current requirement, no vote was needed. At issue was:

- (b) "That the two courses should be taken during the first two years of study and that they be taken in sequential semesters."

He reminded the Council that the vote related to timing and not to course content.

Extensive discussion followed. When the question was called, a voice vote was inconclusive. A hand vote tallied:

17 YES

22 NO

As a result of this vote, the present policy is continued, i.e., the first course must be completed by the end of the sophomore year and the second course within four years.

Voting having been completed for each of the five items related to requirements, Father Malloy offered a summation of the Council's action and moved the acceptance of the requirements as a whole.

The motion was approved by unanimous voice vote.

Father Malloy introduced the recommendation on Academic Counseling, 6(a):

"That a University Counseling Office be established which would provide information, testing and guidance for students who are unsure about College/major intent."

Questions were raised as to the function of the proposed office and distinctions were made about the differences between academic and career counseling. In the course of further discussion, Walter Nicgorski proposed an amendment to replace 6(a):

That the University's professional counseling services be extended to include testing and guidance for students who are unsure about College/major intent.

The amended motion was approved by unanimous voice vote.

Ed Goerner spoke on the recommendation which he prepared for the Council prior to the meeting. He then moved his proposal as item 6(b):

Each College Council shall review fully and, where necessary, reform the College's undergraduate counseling practices and those of its departments during the Fall term of academic year 1985-86. As part of such a general review College Councils shall consider the possibility of including professors emeriti and senior undergraduate students, possibly from the honor societies, in some role in the total program of academic counseling in the Colleges. The Councils shall also include in their reviews a thorough consideration of provisions for counseling sophomores. Each Council shall establish a general framework of the desired aims and the acceptable procedures for both collegiate and departmental counseling. Departments shall undertake a similar review and reform of their counseling practices within that framework and report on their work to their College Councils which shall either approve or require modification in departmental arrangements. At the beginning of the Spring term of 1985-86 the Deans of the Colleges shall report to the Academic Council the findings and decisions of their respective Colleges. The Academic Council may then decide whether any further steps are necessary.

The motion was seconded, the question called, and the proposal was approved by unanimous voice vote.

Father Malloy presented the recommendation on the Class Withdrawal Period, 7(a):

That the time be shortened to five weeks within which students can withdraw from a given class without a penalty."

As discussion began, Emil Hofman proposed an amendment by adding to the original: except for Freshmen, who may withdraw after mid-term grades.

In the course of discussion, Dean Hofman withdrew his amendment.

The question was called on 7(a) and the motion was defeated by voice vote.

Father Malloy opened discussion on the final recommendation, Cheating 8(a):

"That the Provost establish an Honesty Committee to evaluate the matter of cheating and to determine steps that can be taken to alleviate the problem."

The motion was approved by unanimous voice vote.

4) Father Malloy reminded the Council of the material received from Kathy Weigert and Don McNeill about a recommendation on Social Concerns in the Curriculum. Kathy Weigert gave the rationale and explanation of the proposed recommendation and answered questions. She moved that:

The faculty of each College shall be responsible for determining that each student explores in a curricular way the implications of the Catholic social teachings for his/her discipline or profession.

The motion was seconded. Discussion followed.

Walt Nicgorski then offered an amendment to reformulate the motion:

that the faculty of each college shall explore, initially through the respective College Councils, ways in which students encounter curricularly the implications of the Catholic social teachings for their disciplines or professions.

(Grammatical change in the last phrase was accepted from the floor.)

The amendment was approved by voice vote.

A hand vote was requested on the newly formulated motion. The vote was:

YES 25

NO 10

5) Father Malloy introduced the recommendation from the Subcommittee on the Curriculum of ROTC students in the College of Engineering:

"The College of Engineering will allow three credits of ROTC to substitute for one of the technical courses in the College and three credits of ROTC to substitute for one of the two history/social science requirements."

Discussion followed. Professor O'Meara presented facts on the current situation for engineering students at the University of Notre Dame: 131-135 credit hours now required for graduation with two free electives; new curriculum essentially removes the two free electives; ROTC students now take additional credit overloads varying from 9-14 hours, depending on Service; with the new curriculum credit overloads will increase to from 15-20 hours. This does not include time spent on nonacademic duties.

He also spoke about the current practice at other major universities where, in general, the nontechnical requirements are lower than ours (22-24 hours vs. Notre Dame's 27).

In addition, Professor O'Meara pointed out the reality of the effect of ROTC financial aid for many students who otherwise could not attend Notre Dame. Lengthy discussion followed.

The question was called and a secret ballot was requested. The vote was:

YES 31
NO 13
ABSTAIN 1

Father Hesburgh thanked the Council for their substantive discussion and important action over the year and wished the group a happy summer.

The meeting was adjourned at 6:10 p.m.

Respectfully submitted,

Isabel Charles
Acting Secretary

faculty senate journal

april 10, 1985

The Faculty Senate meeting was called to order at 7:32 p.m. in room 202 of the Center for Continuing Education by Fr. David Burrell, who then gave the opening prayer. Burrell asked if there were any changes to the minutes. There being none the minutes were approved.

Burrell then introduced Mr. Pat Collins, Mr. Dan Harris, and Fr. David Porterfield who asked for the senate's support of the ND/SMC Charity Ball: a Family Response to the Crisis in Ethiopia, to be held April 20. Prof. Mario Borelli made a motion that the senate approve of the idea of the charity ball as a fundraising event for the starving Ethiopians, and commend the students' group for organizing it. Prof. Harvey Bender seconded, and it was unanimously approved.

Burrell announced that at the next meeting of the senate elections would be held for senate officers. He asked for volunteers to contact members of the current executive committee. Continuing with his chairman's report, Burrell commented on the beginning of the new foreign study program in Cairo and Jerusalem. As the senate had shown an interest in foreign study last year, he felt it was interesting to note that this program would set a new pattern for the extension of University involvement in foreign study. He then went on to apologize to the senate for giving the impression that he had had senate approval of his views on the ROTC curriculum question. He had been concerned that it had not been included on the circulated agenda to Academic Council members, and had a letter, unfortunately on Faculty Senate stationery, sent out appraising them of this and expressing his personal views.

Next on the agenda was the Report on Faculty Development. Burrell and Prof. John Uhan had taken the comments made at the senate's February meeting, and had the draft in hand for further discussion. Burrell explained that this was the senate's way of keeping alive the discussion of sabbaticals, which was conceptually and politically a problem with the

Administration, under the rubric of faculty development. Prof. Paul Conway announced that this ideas was also to be discussed at the Academic and Faculty Affairs Committee of the Board of Trustees upcoming meeting.

Prof. Robert Lordi asked if setting up University professorships meant that as a reward higher salaries would result. Uhran answered that he felt the issue had been diplomatically side-stepped as the money issue was left to later discussion after the principle of University professorships itself was approved. Lordi said he felt this might compound a two-tiered faculty into three tiers. Burrell noted that the phrase "modest discretionary fund" would not result in much differentiation. He also reminded the senate of Prof. James Bellis' comment by paraphrasing: "If you have difficulty between strata, you add a few more."

Conway suggested that parliamentary procedure required that a motion to accept the report be made, and he did so. Borelli seconded it, and further discussion continued. Prof. Leo Despres expressed his opinion that the previous difficulties with strata had been resolved. Borelli said that he found it to be well thought out and that he was in agreement with the side-stepping of money issues in favor of a discussion of principles.

At this point Prof. Jay Dolan disagreed, saying he found the writing to be verbose. Burrell suggested that he take on the task of shortening the report, and Dolan agreed. He commented further that he did not see anything unique or striking in the suggestions for faculty development. Borelli disagreed, feeling that if anything were said too sharply, then the tone and not the content would be judged negatively by the Administration. A low-key document with even a little repetition would be better received. Despres was not sure if the report could be collectively edited. He felt that the phrasing was improved, more positive in stating that University professorships were a reward for good work. Burrell commented that he would have liked the report to be more direct, but that the committee had tried to present a consensus view. That it was a consensus did not, however, mean that the report was not asking for quite a lot. It asks for a position of positive commitment to faculty development.

Prof. Donald Barrett asked for clarification about the wording with regard to endowed chairs and their relationship to faculty development. Both Uhran and Burrell said that endowed chairs were not to be the major focus of a report on faculty development. Barrett then asked what would be the fora for discussion of the principles of the report, as it would die in the Academic Council. Uhran responded that three proposals would go to the Academic Council for discussion and vote, but that much of the report would go to the colleges as it was up to the deans and departments to adapt the ideas to their own situations. Barrett felt that some momentum was needed. Burrell reminded the senate that the Faculty Senate Chairman did have the right of agenda and would bring the report up at next year's Academic Council. Uhran also said that the six faculty members on the Board of Trustees Committee on Faculty and Administration Affairs would bring it up for further discussion. Although Barrett felt that this committee did not involve itself with specific proposals, Uhran said they did indeed pressure the Administration when necessary.

Prof. Joseph Blenkinsopp wanted the report's style sharpened, and questioned the intent of the word "colleagues," suggesting that perhaps the Administration might apply University professorships to the holders of endowed chairs. He wanted it to be modified by the phrase "University colleagues" or "Notre Dame colleagues." Borelli remarked that while he agreed with the change of phrasing, he would prefer to give the Academic Council the opportunity to sharpen the report. Despres suggested that the section of University professorships could be strengthened by the idea that additional support would separate them from the usual reward system and raise them to a more distinguished level. Then Bender suggested that wording in a previous section clarified the situation and should be moved here. Despres agreed to the inclusion of wording to that effect, but wanted to insure that the reward was not thought of as an ordinary type of reward.

Prof. Linda-Margaret Hunt expressed the opinion that the section still did not preclude University professorships from being awarded to endowed chairs. She suggested the phrase "to recognize colleagues at Notre Dame." Burrell commented that the committee had tried to push for the concept of subsidiarity. Conway then called the question given the amendments to the section on University professorships. Prof. Robert Vacca suggested that there be a clarification with the Academic Articles as two of the sections are institutional policy matters, and another is actually a suggestion of attitude which department chairs and/or deans ought to have. Specifically, section 4.1 does not call for a precise definition of policy and the Administration could say that it is already being considered. Borelli suggested that this be taken into consideration in the revision. The motion was then further amended, and passed with one vote against, and two abstentions.

Burrell thanked everyone for their contributions. Then Borelli made a motion that next year's senate chairperson be directed to bring the report to the Academic Council. Barrett seconded this, and the motion passed unanimously.

Burrell introduced Mr. Robert Miller, Director of the University Libraries, to the senate. Miller reported on the status of the University Libraries and the developments of the last five years. He cautioned against reading too much into the Association of Research Libraries' statistics in which Notre Dame was near the bottom in all rankings but collection size, where we stand 70th out of 104. He was of the opinion that the differences between the various parent institutions make the ARL statistics less valuable for comparisons. He spoke of the growth in the budget for collection development primarily and of the systematic analysis which must be done along with it. The approval programs have assisted in the growth of size and quality of the Libraries' collections as have the gifts which are unfortunately a problem in that there is not enough staff and money to process them. Staffing is a major concern as it is stretched now to cover current needs. Any expansion of programs, services, acquisitions, cataloging or binding will require additional funds for staff at all levels. Miller considered this the Libraries' first priority.

Although reference service to faculty and students has improved, Miller said that orientation and bibliographic instruction programs cannot be increased unless additional staff and space are acquired. Database searching has grown considerably, and consideration will have to be given as to how database services will be funded. Interlibrary loan volume has increased and delays have decreased somewhat. Photocopy service will be improved as well. The Exhibits Committee has been reorganized to be more responsive to input from what is happening throughout the University.

Next Miller spoke of the Libraries' automation project. In 1982, Ryan gave enough money for the Libraries to develop a "state of the art" automated system. By early 1984, based on responses to the RFP, the Libraries were ready to sign a contract. The University-wide Committee on Computing Policy as well as the selected company's fiscal position have delayed this however. Miller was hopeful that soon a positive decision would be made. While these negotiations were going on, over 80% of the monographs have been converted to machine readable form, and currently received serials are being converted as well. According to Miller, if all goes well the hardware will be installed this summer with pilot public access by spring 1986 and pilot circulation in fall 1986. Full-scale circulation would then be available in early 1987.

Miller then spoke of the problems of preservation where there has been some increased funding for binding and staff. However, faced with rapidly deteriorating books, more needs to be done. Unfortunately the Libraries have been unable to get the physical plant staff to recognize the need for filters over the lights and for stable temperature and humidity. This is also a problem for the Snite Museum.

Miller described the Libraries' biggest asset as its faculty and staff. Saying that it was both highly frustrated and educated, he spoke of the recent Libraries Planning Day at which the need for training and development activities had been voiced. Faculty development is a problem in that funding sources available to teaching and research faculty are not available to library faculty, and yet their promotion and reappointment is dependent upon research. Notre Dame also has one of the smaller staffs for its collection size which leads to frustration in trying to accomplish all its desired service goals.

In closing, Miller spoke of the changes which are coming to the Law Library as they are also automating, and of the development of the Friends of the Library. The improvements which have come about are due to the support of the Provost, the Faculty Committee on University Libraries, the teaching and research faculty, and the library faculty.

Conway, Bender, and Miller spoke of the fund drive for \$10 million, and of the need to have unrestricted funds. Dolan asked if there was any way the senate could pass a resolution to help persuade the Administration to investigate the environmental control problem. Miller responded that he would work out a possible resolution with the library faculty representatives.

Barrett asked if the approval plans had been evaluated. Responding affirmatively Miller said that there were still a few unadjusted areas in the American Plan. Prof. Thomas Kosel inquired as to what the approval plan had done to the total book budget. According to Miller the American and German plans have rearranged the structure of the budget allocations. Bender brought out the point that the approval plans have saved money by reducing retrospective buying costs. Prof. Kathy Blackstead said that staff costs were saved as well. Kosel asked if it might be possible to raise the amount which could be spent per book through the approval plans, and if the publisher's list could be expanded.

Miller responded that both would substantially raise the cost of the plans; however, publishers could be added to the list. Kosel said there was difficulty with the cost of conference proceedings and the current maximum limit. Miller said that if a department wanted to give up their allocations to do so, the Libraries would do so. Kosel asked if it might be possible for faculty who attend the conferences to purchase their proceedings for the Libraries at lower costs. Miller said he would consider this plan if it could be regularized. Barrett asked what bibliographers might be added to the library faculty. Miller said he was considering either one in the social sciences or in Latin American studies.

After thanking Miller, Burrell turned the meeting over to Barrett, who reported on the Faculty Senate Committee on Benefits. About 5% of Notre Dame members signed with Maxicare, The HMO, and less than that signed for the FlexPlan, which compares to the old plan. The Benefits Office in Personnel has done an excellent job, and the administration of the plans has been accurate and prompt. The Blue Cross/Blue Shield Cost Guard Program had been explained to the Committee. They are just beginning an investigation of the retirement contributions paid by the University to TIAA/CREF as well as the interest/dividends and "payout" of retirement benefits by TIAA/CREF. The Committee has also developed a proposal that the University provide a \$60 scholarship to all faculty and administrators, aged 60 and over, to take the Forever Learning Institute's preretirement training course. They have also sent out a questionnaire designed to study the quality of life of Notre Dame faculty, their wives and widows.

Barrett then announced that the Committee had been able to secure the VIP List of all physicians in Indiana who have agreed not to charge more than the standard Blue Cross/-Blue Shield rates for specific procedures. The list is in the Faculty Senate Office and may be consulted any weekday from 9 a.m. until noon.

Various suggestions as to how to disseminate the list were discussed from Xeroxing the entire list to sending copies of notification to each faculty and staff member. Capt. John Rohrbough pointed out the cost of such mailings, and the senate agreed that the announcement of the availability of the VIP list in Notre Dame Report would be enough.

While Barrett was giving his report the senate voted for nominations to the Judicial Review Board, the Campus Life Council and the Board of Traffic and Parking Appeals. There being no other business, Bender moved that the meeting be adjourned. Borelli seconded, and as the motion was unanimously passed the meeting adjourned at 9:27 p.m.

Absent but not excused: Gerald Arnold, physics; Peri Arnold, government and international studies; Tomoaki Asano, microbiology; Subhash Basu, chemistry; James Bellis, anthropology; James Flanagan, C.S.C., art, art history and design; Teresa Ghilarducci, economics; Andre Goddu, Program of Liberal Studies; David Kirkner, civil engineering; Bill McDonald, finance and business economics; William McGlinn, physics; William Slowey, accounting.

Absent and excused: Salvatore Bella, management; Rudolph Bottei, chemistry; James Danehy, emeritus; David Dodge, sociology; Eugene Henry, electrical engineering; Teresa Phelps, law; Ray Powell, accounting; Irwin Press, anthropology; Robert Williamson, Jr., accounting.

Respectfully submitted,

Jean Pec Rosenberg

university libraries minutes march 25, 1985

The meeting was called to order shortly after 4 p.m. in the conference room of Room 221 of the Memorial Library by the chairperson, Harvey A. Bender. Present in addition to Professor Bender were Anne Carson Daly (alternate for Maura Aiken Daly), John B. Harlan, Lloyd H. Ketchum, Jr., Bill D. McDonald, Robert C. Miller, and W. Robert Scheidt. Absent was Gerald L. Jones.

The minutes of the Feb. 11 meeting were approved as distributed.

Mr. Miller introduced John Harlan as the new secretary to the committee, replacing Jacqueline T. Lewellen.

Mr. Miller gave his report as director of Libraries:

(1) There will be a meeting of the University's Executive Committee for Computing Policy on March 29 at which the financial condition and viability of the Libraries' desired automated system vendor (Biblio-Techniques, Inc.) will be discussed. It is hoped that this discussion will result in a decision being made quickly on whether or not the system (BLIS) will be purchased.

(2) The Libraries Planning Day held March 21 was quite successful. Mr. Miller expressed disappointment that committee members were unable to attend. He will shortly be appointing a task force to work on revising the Libraries' Five Year Development Plan, and he anticipates that the revised document will come before the Committee early this autumn. Professor Bender asked that the committee be apprised of the task force meeting schedule.

(3) The Friends of the Library at Notre Dame recently held a very successful Irish Day celebration which included a talk on Irish culture by Prof. Ernan McMullin of the department of philosophy, an exhibition of photographs of the Irish landscape by John J. Droege, and authentic traditional music and refreshments.

Mr. Miller announced that an election must be held this spring to fill the two upcoming at-large position vacancies on the committee. The committee agreed on four nominees to fill the two vacancies: Harvey A. Bender (Biology), Eugene J. Leahy (Music), Vera B. Profit (Modern and Classical Languages), and James E. Robinson (English). Three additional alternate nominees were also chosen: Robert C. Ketterer (Modern and Classical Languages), Walter Nugent (History), and Leonard Orr (English).

The Report of the Task Force on Collection Policy for Non-Book Materials was distributed. It will be discussed during the next meeting.

Maureen L. Gleason, assistant director for collection development, joined the meeting to present a background report on the Libraries' two formally constituted approval plans: Ballen (for English language materials published in the United States) and Harrassowitz (for German language materials). The Ballen approval plan, begun in 1979, is generally regarded as satisfactory. Numerous refinements have been made to the Libraries' plan "profile" which determines what types of materials we receive on approval, and the percentage of approval materials being returned by Notre Dame as being outside our collecting interests has been significantly reduced. The more limited Harrassowitz plan has several difficulties at present, some of which can be attributed to the fact that it began in 1983 and that therefore there has been insufficient time in which to implement the type of necessary refinements which have significantly improved the broader Ballen plan over the course of the past six years. It is hoped that with such fine tuning, the Harrassowitz approval plan can make a valuable and efficient contribution to the development of the Libraries' collections.

The next meeting of the Committee will be held April 29 at 4 p.m. in the conference room of Room 221, and will include a report on non-book materials and an update on the Libraries' automation efforts.

The meeting was adjourned shortly after 5 p.m.

Respectfully submitted,

John B. Harlan
Secretary to the
Faculty Committee for University Libraries

university libraries minutes may 6, 1985

The meeting was called to order at 4:07 p.m. in the conference room of the Administrative Office, Room 221 of the Memorial Library, by the chairperson, Harvey A. Bender. Present in addition to Professor Bender were Committee members Bill D. McDonald, Robert C. Miller, and Walter Robert Scheidt, and committee secretary, John B. Harlan. Absent were committee members Anne Carson Daly (alternate for Maura Aiken Daly), Gerald L. Jones, and Lloyd H. Ketchum, Jr.

The minutes of the meeting of March 25 were approved for distribution and publication as written and distributed.

Mr. Miller gave his report as Director of Libraries:

(1) Follow-up activity on the Libraries Planning Day was reported, and copies of LAA:85:18 (Subject: Libraries 5-Year Development Plan Task Force) and LAA:85:22 (Subject: Working Group on Organizational Issues) were distributed. Mr. Miller noted that James H. Powell, Director of Graduate Admissions, is serving as a member of the Development Plan Task Force. He invited members of the FCUL to participate in that group's proceedings.

(2) The report of the University's Executive Committee for Computing Policy regarding the Libraries' proposed automated system vendor (Biblio-Techniques, Inc.) has gone to the Provost. Mr. Miller has not yet seen the report. He has an appointment to meet with the Provost on May 13.

The FCUL acknowledged with pleasure Mr. Miller's recent report to the Faculty Senate, and Professor Bender, in particular, noted that the report was exceptionally well done and was, in addition, very well received.

Mr. Miller distributed a summary of the recommendations of the Libraries' Task Force on Collection Development for Non-Book Materials. He noted that the first recommendation constitutes a change in the Libraries' operating policy. The second recommendation is by nature internal to the Libraries. Mr. Miller will be discussing the third recommendation with the Provost. In regard to the sixth recommendation, the Libraries are currently exploring the option of establishing a microcomputer laboratory in the future. The cost of such a facility is, for the present, prohibitive. He reported that the Libraries are feeling the need to collect materials in videotape and floppy diskette formats.

Professor Bender inquired about the possibility of making available coin-operated public access microcomputers to cut the cost of establishing a microcomputer laboratory facility. Mr. Miller replied that it is apparently University policy that such equipment should be made available only on a non-charge basis. Professor Scheidt asked whether this was in fact University policy or [former Assistant Provost for Computing Richard A.] Spencer policy.

In operational news, Mr. Miller reported that Roger Jacobs, law librarian designate, will be joining the Library Administrative Committee. Professor Bender requested that Mr. Jacobs be invited to meet with the FCUL in the spring semester 1986. Mr. Miller noted that the post-Presidential Dinner get-together at his home (to which FCUL members are cordially invited) will present an opportunity for FCUL members to meet Mr. Jacobs informally.

Mr. Miller reported on the shifting of the University Libraries' collections which will begin shortly with the physical reorganization of the Reference and Document Center collections on the first floor of the Memorial Library and the relocation of the Microtext Reading Room from the second to the first floor. (One reason for that particular shift is to cut staffing requirements for the Periodical Center, with which the Microtext Reading Room is being combined, should such an economy move become necessary in the future.) The above shifts will occur between May 20 and June 28 (or well before, if possible). Later this calendar year (either during fall semester break or over the Christmas break) the Reserve Book Room will move to the present site of the Microtext Reading Room, and the International Documentation Center will move to the present site of the Reserve Book Room.

Professor Bender inquired about the rationale for the shifting of the Tower collections. Mr. Miller responded that the collections will now be in alphabetical order from the top of the Memorial Library to the bottom. Professor Scheidt noted that students at Notre Dame use the Memorial Library as a study hall to a far greater degree than students at other institutions. Professor Bender expressed the belief that this is so because of the lack of quality study space in dormitories and the fact that academic buildings are not open as long to accommodate study needs. Mr. Miller noted that teaching here does not seem to him to be as library-oriented as at other institutions in his experience. He also noted that the new arrangement will allow for the increased growth of the Libraries' collections. The shifting of Tower collections will take place between June 3 and Aug. 10.

Mr. Miller further noted that the only offices located above the second floor will be those of James W. Frick, assistant to the president, on 13 (1315) and the Center for Pastoral Liturgy on 11 (1120), with the possibility of a second University administration

office being added to 13 in the future. The overflow from the Libraries' processing backlog will be housed on 11, which along with the fifth floor, has now been completely cleared.

In other physical improvements, Mr. Miller reported that two capital expenditures have been proposed: the carpeting of the second floor lobby and perimeter, and the creation of a Library Instruction Room.

Mr. Miller reported briefly on the Libraries' acquisitions budget. Prof. Bender asked if the Libraries could, over the next year or so, survey comparable institutions to see how they fill undergraduate teaching needs in areas where they have no programs of graduate instruction. Mr. Miller reported that in our case some such areas have little basic material, but some pretty advanced research volumes.

Professor Bender inquired about conducting a long-term review of the library faculty. Mr. Miller reported that an ad hoc committee has been created to draft a document on this subject, and that the ad hoc committee may at some point request to meet with the FCUL to refine their approach to the review.

Prof. Bender asked that FCUL members let John Harlan know if they will be out of town for more than two weeks at a time in July and August, and where they may be contacted.

The next meeting of the committee will be held June 3 at 12 noon in the conference room of the administrative office, room 221 of the Memorial Library, over a luncheon of pizza without anchovies.

The meeting was adjourned at 4:58 p.m.

Respectfully submitted,

John B. Harlan
Secretary to the Faculty Committee for University Libraries

Correction to Association of Research Libraries Statistics

Due to a regrettable clerical error in the administrative offices of the University Libraries, incorrect data was submitted to the Association of Research Libraries for the preparation of their annual statistical report. Basically, certain fiscal and other information from the Law Library was inadvertently excluded from the report we filed. Correct information has been submitted to ARL, but their report has already been published, along with the rank tables and index, all based on the incorrect information. (This is most unfortunate, because the Notre Dame Libraries are in significantly better shape than the published data suggests.) For example, as a result of the correction, the following changes will occur in the rank order tables:

<u>TABLE NO.</u>	<u>SUBJECT</u>	<u>ORIGINAL RANK</u>	<u>REVISED RANK</u>
8	Materials Expenditures	100	92
9	Materials & Binding Expenditures	100	91
10	Salaries & Wages	101	95
11	Total Operating Expenditures	102	95
12	Total Items Lent	99	99
13	Total Items Borrowed	95	92
14	Current Serial Expenditures	100	96

At this point, we have been unable to determine what change will occur in our score and ranking in the ARL Library Index. Our reported ranking was 101, based on a score of -1.39. We believe this will rise on a modest basis.

Our apologies to the University community for this error.

summary annual report for the tiaa/ cref retirement annuity plan for faculty and administrators

This is a summary of the annual report for the TIAA/CREF Retirement Annuity Plan for the faculty and administrators of the University of Notre Dame du Lac, (employer identification number 35-0868188), for the plan year Jan. 1, 1983 through Dec. 31, 1984. The annual report has been filed with the Internal Revenue Service as required under the Employee Retirement Income Security Act of 1974 (ERISA).

Benefits under the plan are provided by individually owned, fully vested annuity contracts issued by Teachers Insurance and Annuity Association and the College Retirement Equities Fund. The total premiums paid for the plan year ending Dec. 31, 1984, were \$3,485,914.72.

You have the right to receive a copy of the full annual report or any part thereof, including insurance information, on request. To obtain a copy of the full annual report, simply contact the office of the Director of Personnel, University of Notre Dame, Notre Dame, IN 46556.

You also have the legally protected right to examine the annual report at the Personnel Office and at the U.S. Department of Labor in Washington, D.C., or to obtain a copy from the U.S. Department of Labor upon payment of copying costs. Requests to the Department should be addressed to: Public Disclosure Room N4677, Pension and Welfare Benefit Programs, Department of Labor, 200 Constitution Avenue N.W., Washington, D.C. 20216.

advanced studies

special notices

The Jesse H. Jones Faculty Research Fund for 1984-85

The Office of Advanced Studies announces the
Jesse H. Jones Faculty Research Fund awards
made for 1984-85.

- * Prof. Anthony M. Messina, Department of Government and International Studies. The Politics of Anti-Nuclear Protest in Britain. \$5,339.
- * Prof. Daniel K. Lapsley, Department of Psychology. A Neo-Piagetian Analysis of Social Cognitive Development. \$3,705.
- * Prof. F. Clark Power, Program of Liberal Studies. Construction of the Written Moral Atmosphere Study. \$9,924.
- * Prof. Gregory I. Gellene, Department of Chemistry. The Structure and Stability of Ammoniated Ammonium Radicals. \$9,900.
- * Prof. Mark J. McCreedy, Department of Chemical Engineering. An Experimental Investigation of Coherent Structures in Turbulent Wall Flows. \$7,590.
- * Prof. Phillip E. Klebba, Department of Microbiology. Structure of Bacteriophage Tail Fiber Receptor Proteins. \$8,500.
- * Prof. Kenyon S. Tweedell, Department of Biology. Factors Controlling Metastasis: Tumor Cell Adhesion and Cell Invasion. \$9,416.
- * Prof. Nancy M. Carter, Department of Management. The Influence of "DRG" Legislation on Organizational and Market Structures. \$6,589.
- * Prof. Dennis M. Snow, Department of Mathematics. Complex Analytic Flows on Euclidean Space. \$3,190.
- * Prof. Bill D. McDonald, Department of Finance and Business Economics. The Nature and Effects of Heteroscedasticity in Event Studies: A Pilot Project. \$5,742.
- * Prof. Mark A. McDaniel, Department of Psychology. Prospective Memory Processes in the Elderly. \$5,260.
- * Prof. J. Keith Rigby, Jr., and Rev. Ronald J. Wasowski, CSC, Department of Earth Sciences. Two and Three Dimensional Analysis of Cretaceous Mammal Teeth Using Remote Sensing Techniques. \$9,863.

There were 29 proposals submitted for consideration for this year's competition.

information circulars

Additional information on all circulars listed may be obtained by calling Extension 7432. Please refer to the circular number.

science

New Zealand National Research Advisory Council Senior and Postdoctoral Research Fellowships

No. FY85-474

Program:

Up to 14 fellowships are available for scientific research in government departments in fields of importance to New Zealand. Biology, nuclear sciences, and applied biochemistry are included. Applicants must meet New Zealand immigration requirements. Stipends vary (see below) with return travel to New Zealand provided.

Senior Research Fellowship: Applicants should have a distinguished record of scientific research and/or administration in a relevant field; term is usually nine to 12 months and salaries range from \$ NZ 33,333 to \$ NZ 46,682 per year;

Postdoctoral Research Fellowship: Applicants should be recently graduated research workers with a Ph.D. or equivalent degree and some relevant postdoctoral research experience. The term is usually two to three years and the salary is \$ NZ 25,684 to \$ NZ 30,127 a year.

Deadline:
August 1, 1985

The Jesse H. Jones Faculty Research Equipment Fund for 1984-85

The Office of Advanced Studies announces the Jesse H. Jones Faculty Research Equipment Fund awards made for 1984-85.

- * Prof. Richard E. Ricker, Department of Metallurgical Engineering and Materials Science. The Effect of Aggressive Environments on the Fracture Resistance of Metals and Alloys. \$9,045.
- * Prof. Steven T. Ruggiero, Department of Physics. New Quantum-Electron Transistor. \$18,200.
- * Prof. Phillip E. Klebba, Department of Microbiology, and Prof. Peter Diffley, Department of Biology. High Pressure Liquid Chromatographic Studies of Immunoglobulins and Microbial Cell Surface Components. \$22,755.

There were 21 proposals submitted for consideration for this year's competition.

For Further Information and Application
Contact:

The New Zealand Embassy
37 Observatory Circle, NW
Washington, DC 20008
(202) 328-4800

(From 1985 ARIS)

**North Atlantic Treaty Organization
The NATO Double Jump Programme***

No. FY85-475

Program:

This program, established in 1982, uses the same international exchange mechanisms as those for basic science and inter-university cooperation but with the added feature of industrial participation in each of these activities. The mechanisms used are the research fellowship, cooperative research grant, advanced research workshop, and advanced study institute, appropriately adapted to new tasks and objectives and utilizing projects of industrial interest. Applicants must have their applications for a NATO research program considered under the Double Jump Programme as well as under the regular program if industrial participation is anticipated. For more information and specific applications for the program, contact NATO Scientific Affairs Division.*

For Further Information and Contact:

North Atlantic Treaty Organization
Scientific Affairs Division
B-1110 Brussels
Belgium

*Contact the NATO office for exact deadlines for this program.

(From 1985 ARIS)

**North Atlantic Treaty Organization
Special Programme**

No. FY85-476

Program:

Promising new scientific fields as well as those which are subject to rapid changes are regularly surveyed by the NATO Science Committee in order to identify specific areas for short-term preferential support. The special programs currently active are: Global Transport Mechanisms in Geosciences (end 1988), Selective Activation of Molecules (end 1988), Robotics (begin 1984), Cell to Cell Signals in Plants and Animals (begin 1984), and Physics of Systems of Low Dimensionality (begin 1985).

For Further Information and Contact:

North Atlantic Treaty Organization
Scientific Affairs Division
B-1110 Brussels
Belgium

*Contact the NATO office for exact deadlines for this program.

(From 1985 ARIS)

engineering

**National Bureau of Standards
Research Grants Program**

No. FY85-470

Program:

The Automated Manufacturing Research Facility (AMRF), Center for Manufacturing Engineering, National Bureau of Standards, which conducts a program of basic and applied research in computer automated manufacturing, also administers a program of research grants in highly selected areas of research related to the mission of the AMRF. Funding available for grants is variable, depending upon levels of external support for AMRF research. During fiscal year 1984, AMRF awarded grants totaling approximately \$1 million. The grant program is limited to unsolicited proposals and is highly competitive.

Areas of active research include:

- Real-time Control.
- Automated Systems Integration.
- Sensory Systems and Adaptive Control.
- Factory Floor Communications.
- Data Management.
- Robot Metrology.
- Robot Vision and Sensory World Modeling.
- Machine Tool Metrology.
- Automated Process Planning.
- Organization and Processing of Manufacturing Geometry Data.
- Application of expert systems and artificial intelligence to automated manufacturing systems.
- Software Engineering Tools applied to real-time control systems.
- Quality control issues in an automated factory.
- Scheduling in an automated factory.

Since supported research must be directly related to the AMRF, it is generally expected that senior workers on the project will find it appropriate to conduct a major portion of their effort on-site at the National Bureau of Standards in Gaithersburg, Maryland.

Grant proposals should be addressed to Grants Office, Office of Acquisition and Assistance, Room B-141 Building 301, National Bureau of Standards, Gaithersburg, MD 20899, with an information copy to Dr. Nanzetta.

For Further Information Contact:

Dr. Philip Nanzetta
Project Manager
AMRF, B-112 Metrology Building
National Bureau of Standards
Gaithersburg, MD 20899
(301) 921-3119

general

National Science Foundation Special Research Initiation Awards for New Investigators in Information Science and Technology

No. FY85-471

Program:

This program awards to principal investigators who: 1) by the beginning of the award will have earned a Ph.D. in a field related to information science, including the information, computer, cognitive, social and mathematical sciences, linguistics, economics, and engineering; 2) will have held the Ph.D. for no more than five years as of the deadline for submission; 3) are citizens or permanent residents of the United States as of the date of submission of the proposals; and 4) have not previously received an award as principal investigators for research in information science and technology from an agency of the U.S. Government. In the Information Science Program, a special emphasis is placed on investigations of human information processing, including those aspects of learning, memory, problem solving and pattern recognition that are relevant to information processing principles. This latter emphasis includes a broad range of problem areas extending from research on those aspects of information representation which admit some generalization and abstraction from specific biological mechanisms to the human factors of information processing capacity especially in connection with measures and methods of effective performance. The awards will be for one or two years' duration; costs should not exceed one person-year of professional salary plus associated costs and project expenses.

Deadline:

August 7, 1985

For Further Information Contact:

National Science Foundation
Directorate for Biological
Behavioral and Social Sciences
Division of Information Science
and Technology
Dr. Charles Brownstein
Room 336
1800 G Street, NW
Washington, DC 20550
(202) 357-9572

(From 1985 ARIS)

National Science Foundation Teacher Enhancement and Informal Science Education

No. FY85-472

Program:

In its efforts to initiate and support programs to strengthen science education at all levels, and particularly for students at the middle/junior high school and elementary level, the National Science Foundation is accepting proposals for the four programs listed below. The Foundation will consider proposals for support in any field of science, including the natural sciences, behavioral and social sciences, mathematical sciences, and engineering.

- Leadership Activities for Precollege Teachers.
- Local and Regional Teacher Development.
- Science and Mathematics Education Networks.
- Informal Science Education.

Deadline:

Target Dates: August 15, December 15, 1985
and April 1, 1986

For Further Information Contact:

National Science Foundation
Directorate for Science and
Engineering Education
Division of Teacher Enhancement
and Informal Science Education
Jerry A. Bell
Division Director
Room 414
1800 G Street, NW
Washington, DC 20550
(202) 357-7073

(From 1985 ARIS)

Organization of American States Fellowships

No. FY85-473

Program:

Graduate training and research fellowships tenable for from three months to two years are available to citizens or permanent residents of OAS countries who have a university degree or demonstrated ability to pursue advanced research in their chosen field. Fellowships are for advanced study or research in any field, except the medical sciences, and are not for undergraduate level studies or introductory language training. Applicants must know the language of the country in which they wish to study. Before applying for a fellowship, candidates must secure acceptance at a university, study center or research site in the chosen country. The following is a list of OAS countries: Antigua and Barbuda, Argentina, Bahamas, Barbados, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominica, Dominican

Republic, Ecuador, El Salvador, Grenada, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Christopher, Saint Lucia, Saint Vincent and The Grenadines, Suriname, the United States, Trinidad and Tobago, Uruguay, and Venezuela. Fellows must study in a country of which they are not citizens or permanent residents.

Deadline:

August 31, 1985 and April 30, 1986

For Further Information Contact:

Organization of American States
Department of Fellowships and Training
Washington, DC 20006
(202) 789-3902

(From 1985 ARIS)

current publications and other scholarly works

Current publications should be mailed to the
Division of Research and Sponsored Programs,
Room 314, Administration Building.

COLLEGE OF ARTS AND LETTERS

American Studies

Schlereth, Thomas J.
T.J. Schlereth. 1985. Colleges and Universities. Pages 46-50 in, D. Maddex, ed., Built in the USA. The Preservation Press, Washington, D.C.

English

Jemielity, Thomas J.
T.J. Jemielity. 1985. The Johnson Half-penny: Presented as a Keepsake for the Johnson Society of the Central Region. Signature Press, Chicago, Illinois. 4 pp.
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L.E. Nicholson. 1984. The Literary Implications of Initial Unstable H in Beowulf. *Classica et Mediaevalia. Revue Daniose de Philologie et d'Histoire* 35:265-283.

Government and International Studies

Francis, Michael J.
M.J. Francis, Y.H. Ferguson and G.W. Grayson. 1985. International Relations. Pages 537-603 in, D.M. Martin, ed., Handbook of Latin American Studies No. 45: Social Sciences. University of Texas Press, Austin, Texas.
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A.P. Walshe. 1985. Southern Africa. Chapter 11 in, The Cambridge History of Africa, Volume 7. Cambridge University Press, Cambridge, England.

Music

Buranskas, Karen L.
L.J. Klugherz and K.L. Buranskas. 1985. Performance. Violinist in a Faculty Duo Recital, works of Beethoven, Handel and Ravel. Snite Museum of Art, University of Notre Dame, Notre Dame, Indiana.
Klugherz, Laura J.
L.J. Klugherz. 1985. Director. Notre Dame Chamber Orchestra in Two Performances of the Bach b Minor Mass. Sacred Heart Church, University of Notre Dame, Notre Dame, Indiana.
L.J. Klugherz and K.L. Buranskas. 1985. Performance. Violinist in a Faculty Duo Recital, works of Beethoven, Handel and Ravel. Snite Museum of Art, University of Notre Dame, Notre Dame, Indiana.

Philosophy

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E. McMullin. 1985. Openness and Secrecy in Science: Some Notes on Early History. *Science, Technology and Human Values* 10:14-23.
Plantinga, Alvin
A. Plantinga. 1985. Self Profile and Replies. Pages 3-95 in, J.E. Tomberlin and P.V. Inwagen, eds., Alvin Plantinga. D. Reidel, Dordrecht, The Netherlands.

Program of Liberal Studies

Ayo, CSC, Nicholas R.
N.R. Ayo, CSC. 1984. Prolog and Epilog: Mythical History in Herodotus. *Ramus: Critical Studies in Greek and Roman Literature* 13(1):31-47.

Psychology

Anderson, D. Chris
D.C. Anderson, C.R. Crowell and J.S. Brown. 1985. Startle Potentiation and Heart Rate as Affected by Fear and Hunger. *Psychological Reports* 56:95-106.
Crowell, Charles R.
D.C. Anderson, C.R. Crowell and J.S. Brown. 1985. Startle Potentiation and Heart Rate as Affected by Fear and Hunger. *Psychological Reports* 56:95-106.
McDaniel, Mark A.
M.A. McDaniel and M.E.J. Masson. 1985. Altering Memory Representations Through Retrieval. *Journal of Experimental Psychology: Learning, Memory and Cognition* 11:371-383.
Santos, John F.
J.F. Santos and R.W. Hubbard. 1985. The Psychologist. Pages 195-205 in, G. Maguire, ed., Care of the Elderly: A Health Team Approach. Little, Brown and Company, Boston, Massachusetts.

Sociology

Aldous, Joan

- J. Aldous. 1984. Families in the Development Process: Family Policy Priorities in Times of Financial Constraint. United Nations Centre for Special Development and Humanitarian Affairs. Vienna, Austria. 50pp.

Theology

LaCugna, Catherine M.

- C.M. LaCugna. 1985. Toward a Trinitarian Hermeneutics. Irish Theological Quarterly 51.

- C.M. LaCugna. 1985. Re-conceiving the Trinity as the Mystery of Salvation. The Scottish Journal of Theology 38:1-23.

Malloy, CSC, Edward A.

- E.A. Malloy, CSC. 1985. Ethics and the Workplace. Pastoral Life 34(5):2-9.

McBrien, Richard P.

- R.P. McBrien. 1985. What is a Local Church? Thirty Minute Segment in, What is Parish? Argus Communications, Allen, Texas.

- R.P. McBrien. 1985. What is the Mission of a Parish? Thirty Minute Segment in, What is Parish? Argus Communications, Allen, Texas.

- R.P. McBrien. 1985. What is a Good Parish? Thirty Minute Segment in, What is Parish? Argus Communications, Allen, Texas.

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- M. Searle. 1985. The Uses of Liturgical Language. Liturgy: Journal of the Liturgical Conference 4(4):15-21.

COLLEGE OF SCIENCE

Biology

McIntosh, Robert P.

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Munstermann, Leonard E.

- L.E. Munstermann and L.M. Wasmuth. 1985. *Aedes triseriatus*. Pages 15-24 in, P. Singh and R.F. Moore, eds., Handbook of Insect Rearing, Volume 2. Elsevier Science Publishers B.V., Amsterdam, The Netherlands.

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- *T. Wisniewski-Knittel, R. Subramanian and L.K. Patterson. 1985. Studies of 1,2-Diarylethylenes in Micelles: Evidence for Aggregate Formation. Journal of Physical Chemistry 89(8):1367-1371.

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- R. Harrop, P.A. Williams and J.K. Thomas. 1985. Photophysical Studies of a Copolymer of Acrylic Acid and 1-Pyreneacrylic Acid Adsorbed on Calcium Carbonate. Journal of the Chemical Society, Chemical Communications 280-282.

Physics

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- J.T. Cushing. 1985. Comment on Angelidis' Universality Claims. Physics Review Letters 54:2059.

Darden, Sperry E.

- S. Sen, S.E. Darden, R.C. Luhn, N.O. Gaiser, G. Murillo and J. Ramirez. 1985. Evidence of a Shape Transition in Even-A Ge Isotopes. Physical Review C 31: 787-799.

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G. Canough, C.C. Chang, T.C. Davis, R.W. Joyner, J.M. Marraffino, J.W. Waters, M.S. Webster, E.G.H. Williams, J. Woosley, J.R. Ficenec, S. Torres and W.P. Trower. 1985. Observation of the Cabibbo-Suppressed Decay $D^+ \rightarrow \pi^+ \pi^0$. Physics Letters B 152:428-432.

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S.T. Ruggiero, G.B. Arnold, E. Track and D.E. Prober. 1984. Tunneling in Ta Surface Layers on Nb. Page 847 in, U. Eckern, A. Schmid, W. Weber and H. Wühl, eds., Proceedings of the 17th International Conference on Low Temperature Physics. North-Holland, New York.

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COLLEGE OF ENGINEERING

Civil Engineering

Irvine, Robert L.

J.F. Manning and R.L. Irvine. 1985. The Biological Removal of Phosphorus in a Sequencing Batch Reactor. Journal of the Water Pollution Control Federation 57:87-94.

S.C. Chiesa and R.L. Irvine. 1985. Growth and Control of Filamentous Microbes in Activated Sludge - An Integrated Hypothesis. Water Research 19:471-479.

J.F. Colaruotolo, R.L. Irvine, L.H. Ketchum, Jr. and W.C. Ying. 1985. Treatment of Obnoxious Chemical Wastes. United States Patent No. 4,511,657.

J.C. Pallis and R.L. Irvine. 1985. Nitrogen Removal in a Low Loaded Single Tank Sequencing Batch Reactor. Journal Water Pollution Control Federation 57:82-86.

Jennings, Aaron A.

D.J. Kirkner, A.A. Jennings and T.L. Theis. 1985. Multisolute Mass Transport with Chemical Interaction Kinetics. Journal of Hydrology 76:107-117.

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Ketchum, Jr., Lloyd H.

J.F. Colaruotolo, R.L. Irvine, L.H. Ketchum, Jr. and W.C. Ying. 1985. Treatment of Obnoxious Chemical Wastes. United States Patent No. 4,511,657.

Kirkner, David J.

D.J. Kirkner, A.A. Jennings and T.L. Theis. 1985. Multisolute Mass Transport with Chemical Interaction Kinetics. Journal of Hydrology 76:107-117.

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D.J. Kirkner, A.A. Jennings and T.L. Theis. 1985. Multisolute Mass Transport with Chemical Interaction Kinetics. Journal of Hydrology 76:107-117.

COLLEGE OF BUSINESS ADMINISTRATION

Management

Vecchio, Robert P.

T. Wada and R.P. Vecchio. 1984. Quality Circles at Mitsubishi. Quality Circles Journal 7:33-34.

LAW SCHOOL

Kmiec, Douglas W.

D.W. Kmiec. 1984. Why a Journal of Law, Ethics & Public Policy? Notre Dame Journal of Law, Ethics & Public Policy 1.

CENTER FOR THE STUDY OF CONTEMPORARY SOCIETY

Center for Gerontological Education, Research, and Services

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Ramos, Joseph R.

J.R. Ramos. 1984. Urbanization and the Labor Market in Latin America, 1950-1980. Cepal Review 24:63-81.

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RADIATION LABORATORY

Ferraudi, Guillermo J.

G.J. Ferraudi and J. Granifo. 1985. Charge-Transfer and Ligand-Centered Photochemistry of Manganese(III) Phthalocyanines. Journal of Physical Chemistry 89:1206.

Kamat, Prashant V.

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awards received

IN THE MONTH OF MAY, 1985

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Biology	W. Hawley, G. Craig	<u>Aedes triseriatus</u> : Transovarian Transmission	Natl. Inst. Health	18,996 24
Chemistry	W. Scheidt	X-ray and Chemical Studies of Metalloporphyrins	Natl. Inst. Health	138,143 12
Mathematics	Taylor, Davis, Dwyer, Williams	Algebraic and Geometric Topology	Natl. Sci. Fdn.	68,800 12
Lobund Lab.	M. Pollard	Research & Services for Amer. Biogenetic Sciences, Inc.	Amer. Biogenetic Sci., Inc.	28,000 60
Lobund Lab.	M. Pollard	Research in Aging and the Prolongation of Life	Retirement Res. Fdn.	100,000 12
Metallurgical Eng.	G. Sargent	Ferrous Metallurgy	Molycorp, Inc.	10,000 60
Physics	Shephard, Cason, Ruchti	Elementary Particle Physics: Fixed Target Experiments	Natl. Sci. Fdn.	352,000 12
Electrical Eng.	Y.F. Huang	Time-Sharing Estimation Using Convex Set Theory	Natl. Sci. Fdn.	60,000 12
Chemistry	J. Thomas	Photochemistry in Constrained Systems	Natl. Sci. Fdn.	120,000 12
Physics	S. Ruggiero	High-Frequency Resonant Tunneling Device	Natl. Sci. Fdn.	59,425 24
Lobund Lab.	T. Kingsley, M. Pollard	Hypertensive and Immune System Dysfunction in SHR	G. & L. Pfeiffer Res. Fdn.	30,000 24
Electrical Eng.	D. Costello	Error Control for Satellite and Space Communications	Natl. Aero. Space Admin.	45,444 12
Civil Eng.	M. Katona	Presidential Young Investigator Award	Natl. Sci. Fdn.	13,000 12
Advanced Studies	R. Gordon	Biomedical Research Support Grant for 1985-86	Natl. Inst. Health	952 12
Aerospace Mech. Eng.	H. Atassi	Aerodynamics of Advanced Turboprops	Natl. Aero. Space Admin.	16,000 11
Metallurgical Eng.	A. Miller, C. Crowell	Interactive Videodisc Training in Chemical Safety	Intl. Bus. Machines	12,862 1.5

Department or Office	Principal	Short title	Sponsor	Dollars Months
Chemical Eng.	J. Kohn	Liquid - Liquid - Vapor Equilibria in LNG Systems	Gas Proc. Assocn.	40,000 12
Aerospace Mech. Eng.	V. Nee, K.T. Yang, A. Szweczyk	Buoyancy Effects in Turbulent Wake Flows	Natl. Sci. Fdn.	75,000 12
Lobund Lab.	M. Pollard	Research and Services for American Biogenetic Sciences, Inc.	Amer. Biogenetic Sci., Inc.	30,000 60
Theology	J. Burtchael	Study of Office in Community Organizations in the Early Church	Fulbright - Hays	6,000 12
Theology	J. Burtchael	Study of Office in Community Organizations in the Early Church	Assocn. Theological Schools	5,800 12
Theology	J. Burtchael	Study of Office in Community Organizations in the Early Church	Amer. Philo. Society	1,400 12
Physics	J. Sapirstein	Higher Order QED Calculations in Atomic Physics	Natl. Sci. Fdn.	27,212 24
Biology	D. Lodge	Selective Predation: Impact on Freshwater Snail Communities	Natl. Sci. Fdn.	98,798 36
Biology	F. Goetz	Hormone Levels in Teleost Fish	North Atlantic Treaty Organ.	2,600 12
Medieval Inst.	J. Van Engen	Mary M. Davis Collection of Italian Renaissance Art	Kress Fdn.	30,000 24
AWARDS FOR FACILITIES AND EQUIPMENT				
University Libraries	G. Sereiko, S. Geiger	Preservation of the Edward L. Greene Collection on Botany	Dept. Education	58,889 15
AWARDS FOR INSTRUCTIONAL PROGRAMS				
Inst. Urban Studies	J. King, T. Broden	Center for Educational Opportunity	Dept. Education	195,815 12
Philosophy	E. McMullin, V. McKim	Undergraduate Program in Science, Technology and Values	Natl. Endow. Humanities	70,000 36
Psychology	J. Santos, S. McCabe, R. Hubbard	A Geriatric Training Model: Gerontological Counseling	Natl. Inst. Health	24,825 12
Management	V. Raymond	Jesse H. Jones Professorship in Management	Houston Endow.	100,000 9
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education	---	2,536 --
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education-Reunion	---	980 --
Inst. Past. Soc. Min.	J. Melloh	Notre Dame Center for Pastoral Liturgy	---	7,451 --
Inst. Past. Soc. Min.	J. Melloh	Notre Dame Center for Pastoral Liturgy-Publications	---	778 --
Inst. Past. Soc. Min.	S. Kelly	Programs for Church Leaders	---	672 --
Biology	G. Craig	St. Joseph County Mosquito Control	St. Jos. Cty. Dept. Health	30,000 8
AWARDS FOR OTHER PROGRAMS				
Biology	H. Bender	North Central Indiana Regional Genetics Center	Ind. St. Bd. Health	22,000 12
Psychology	J. Santos	Gerontology at Notre Dame: The Institutional Phase	Retirement Res. Fdn.	528,807 36

proposals submitted

IN THE MONTH OF MAY, 1985

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH*				
Psychology	J. Borkowski	The Effects of Schooling on Memory Processes in Indian Children	Natl. Sci. Fdtn.	2,475 12
Sociology	M. Hallinan	Determinants of Students' Interracial Friendliness	Natl. Inst. Health	113,394 12
Biology	F. Goetz	Chinook Gonad Samples	Wisc. Dept. Natural Res.	11,404 5
Microbiology	C. Kulpa	TCDD Biodegradation	Occidental Chem. Corp.	85,136 12
Chemical Eng.	D. Leighton, A. Varma	Dreyfus Grant for Newly Appointed Young Faculty	C. & H. Dreyfus Fdtn., Inc.	37,902 60
School Architecture	R. Amico, S. Hurtt	Design Research for Urban Housing, Bartlesville, Oklahoma	Bartlesville Impr. Corp.	18,564 2
Biology	R. Hellenthal	Systematics of Lice and their Co-Evolution with the Geomyidae	Natl. Sci. Fdtn.	78,387 24
Government Intl. Studies	G. Loescher	Asylum Policies of Major Countries and The Refugee Regime	Ford Fdtn.	109,704 20
Biology	R. Hellenthal	Computerized Prediction System for Environmental Data	Environ. Prot. Agency	1,628 29
Finance Bus. Econ.	B. Keating, H. Addis	Hospital Reimbursement	Natl. Inst. Health	81,078 12
Electrical Eng.	Y-F. Huang	Presidential Young Investigator Award, 1986	Natl. Sci. Fdtn.	815,744 60
Chemistry	F. Castellino	Role of Lipids in Blood Coagulation	Amer. Health Assistance Fdtn.	88,448 12
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Electrical Eng.	D-M. Kwong	Computer-Controlled Laser Adjusted TCR's	CTS Corp.	5,000 3
PROPOSALS FOR INSTRUCTIONAL PROGRAMS				
Cent. Cont. Educ.	T. Bergin, P. Lombardo	Training Program in Continuing Education	Kellogg Fdtn.	2,264,879 72
Biology	P. Weinstein	Experimental Parasitology and Vector Biology	Natl. Inst. Health	296,570 12
PROPOSALS FOR SERVICE PROGRAMS				
Biology	G. Craig	St. Joseph County Mosquito Control	St. Jos. Cty. Dept. Health	42,190 8
Inst. Urban Studies	J. King	Food Nutrition Program Reimbursement	Ind. Dept. Publ. Instruc.	98,000 1.5
PROPOSALS FOR OTHER PROGRAMS				
Music	C. Bower	Presenter Application	Ind. Arts Comm.	3,089 --

*Does not include a \$14,824,934 proposal to NSF for a Hazardous Wastes Engineering Research Center, a proposal for \$7,500,000 to the Department of Transportation for a Cold Weather Transit Technology Program and a \$3,200,000 proposal to NEH for Institute for Scholarship in the Liberal Arts.

Department or Office	Principal	Short title	Sponsor	Dollars Months
Physics	Newman, Arnold, Dow	Request Support of the Midwest Solid State Theory Symposium	Argonne Univ. Trust Fund	22,234 5
Mathematics	A. Hahn, Z.X. Wan	Seminar on Classical Groups Related Areas	Natl. Sci. Fdn.	27,912 1

summary of awards received and proposals submitted

IN THE MONTH OF MAY, 1985

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	14	1,021,895	12	368,537	26	1,390,432
Facilities and Equipment	0	0	1	58,889	1	58,889
Instructional Programs	3	320,640	1	70,000	4	390,640
Service Programs	1	30,000	5	12,417	6	42,417
Other Programs	2	550,807	0	0	2	550,807
Total	20	1,923,342	19	509,843	39	2,433,185

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	278,545	8	1,165,319	12	1,443,864*
Facilities and Equipment	0	0	1	5,000	1	5,000
Instructional Programs	1	296,570	1	2,264,879	2	2,561,449
Service Programs	1	42,190	1	98,000	2	140,190
Other Programs	0	0	4	216,910	4	216,910*
Total	6	617,305	15	3,750,108	21	4,367,413*

*Does not include a \$14,824,934 proposal to NSF for a Hazardous Wastes Engineering Research Center, a proposal for \$7,500,000 to the Department of Transportation for a Cold Weather Transit Technology Program and a \$3,200,000 proposal to NEH for Institute for Scholarship in the Liberal Arts.

closing dates for selected sponsored programs

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

Information Circular Number	Agency	Programs	Application Closing Dates
SCIENCE			
FY85-474	New Zealand National Research Advisory Council	Senior and Postdoctoral Research Fellowships	August 1, 1985
GENERAL			
FY85-471	National Science Foundation	Special Research Initiation Awards for New Investigators in Infor- mation Science and Technology	August 7, 1985
FY85-472	National Science Foundation	Teacher Enhancement and Informal Science Education	August 15, 1985
FY85-473	Organization of American States	Fellowships	August 31, 1985

notre dame report

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