

notre dame report

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the university

third world relief campaign results

Notre Dame faculty and senior staff contributed \$18,001.00 to the ninth annual Third World Relief Fund. Money is disbursed quarterly from the Notre Dame account into which the funds are deposited. From Jan. 1 to Nov. 30, 1983, \$19,893.65 was disbursed, in accordance with a percentage formula based on the contributors' preferences. Agencies received the following amounts: CARE, \$1,989.37; Catholic Relief Services, \$2,586.17; Church World Service, \$1,790.43; Caritas/Bangladesh, \$1,790.43; Co-workers of Mother Teresa in America, \$3,978.72; IFCO/RAINS, \$2,188.31; OXFAM-America, \$3,381.92; and UNICEF, \$2,188.30.

special notice

Starting with issue #7, copy for Notre Dame Report has been typed up on a word processor. While the transition is being made to this more efficient system, there may be some oversights in proofing. The editor would appreciate if all corrections be brought to her attention. Call 239-5337 or write to Notre Dame Report, Room 415 Administration Building.

new development office

The University will open its fourth regional development office this month in West Palm Beach, Fla. Cathleen A. Clinton, a regional director of development who has been resident in South Bend since joining the University two years ago, will head the new office. She will continue to administer the University's development program in a 13-state area in the southeast, south and southwest, as well as the District of Columbia.

Notre Dame also has regional development offices in New York City, Chicago and Los Angeles. The increasing number of Notre Dame alumni and friends in the region necessitated the new office, according to Dr. William P. Sexton, vice president for public relations, alumni affairs and development.

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faculty notes

honors

Theodore J. Crovello, professor and chairman of biology, has been appointed to the Editorial Board of Computers in Life Science Education, published by Elsevier Publishers. He has been elected to the Presidency of the Indiana Academy of Science for 1984, its centennial year. He has also been reappointed to editorship of The Computer Center, a regular feature in the journal, The American Biology Teacher, and to its editorial board.

Robert Gordon, vice president for advanced studies, has been named chairman-elect of the Council of Graduate Schools, the major organization for graduate education in the United States. Gordon will serve as chairman-elect for 1984 and will assume the chairmanship in 1985.

Thomas A. Kselman, assistant professor of history, received the American Catholic Historical Association's John Gilmary Shea Prize for 1983. He won the award for his book, Miracles and Prophecies in Nineteenth-Century France, published by Rutgers University Press, last year. The annual award is given to the author of the best work on the history of the Catholic Church. He has also received a Fellowship for Independent Study and Research from the National Endowment for the Humanities, and will spend 1984-85 in Paris and Angers working on a study of attitudes toward death and the afterlife in nineteenth-century France.

Leonard E. Munstermann, assistant faculty fellow in biology, received two awards for color slide transparencies entered in the Ohio Mosquito Control Association Annual Photographic Salon. "Feeding Mosquito" was awarded best of show and "Mosquito Larvae" won first place in the Animal Portrait category. The competition was held in Mt. Sterling, Ohio, Oct. 12-13.

Karamjit S. Rai, professor of biology, was unanimously elected as the chairman of the newly established Formal Conference on Genetics and Molecular Biology by the Entomological Society of America for 1983-84.

Gordon A. Sargent, professor and chairman of metallurgical engineering and materials science, has been appointed as a member of the Nominating Committee to select the President and officers of the American Society for Metals.

Thomas J. Schlereth, professor of American Studies, has been honored by the American Association of Museums in that two of his recent books, Artifacts and the American Past (1980) and Material Culture Studies in America (1982) have been designated landmark publications by the AAM Historic Sites Commission as works essential to a basic research library in historical site interpretation.

James P. Sterba, associate professor of philosophy, has been appointed General Editor for a new Basic Issues in Philosophy Series for Wadsworth Publishing Co. The series will begin with volumes in Ethics, Political Philosophy, Philosophy of Religion, Epistemology, Metaphysics, Philosophy of Science and Philosophy of Language.

activities

Karl Ameriks, associate professor of philosophy, gave a talk entitled "Kant and Rational Psychology" at Hope College, Holland, Mich., Nov. 16.

David M. Betson, assistant professor of economics, presented a paper entitled "Measuring the Benefits of Income Maintenance Programs" at the National Bureau of Economic Research in Income and Wealth Conference on Horizontal Equity, Uncertainty and Economic Well-Being held in Baltimore, Md., Dec. 8-9.

Susan Birley, associate professor of management, presented a paper entitled "The Management Buyout Process" at the Strategic Management Conference in Paris, France, Oct. 27-29.

Joseph Blenkinsopp, professor of theology, presented lectures on the Old Testament to Catholic lecturers at St. Jude's School, South Bend, Ind., Nov. 7, 14, and 21.

Rev. David Burrell, C.S.C., professor of theology, gave a talk entitled "Prophecy and Revelation: Comparative Notes on Islamic, Jewish and Christian Sources" at a colloquium held at Haverford College, Haverford, Pa., Oct. 25. He also spoke on "Images for Peacemaking" at the "Chicago Call to Action" Conference, Chicago, Ill., Nov. 6.

Rev. James T. Burtchae, C.S.C., professor of theology, was the keynote speaker at the 1983 Catholic Engaged Encounter Convention, Los Angeles, Calif., Nov. 11-13. His address was entitled "How to Decide Whether To Marry When You Felt It Was All Decided." He was the breakfast speaker for the Men's Group, First Presbyterian Church, South Bend, Ind., Nov. 14, and gave a talk, "Children Are of Marriage." As the keynote speaker at the National Youth Pro-Life Coalition, Cincinnati, Ohio, Nov. 25, Burtchae delivered a talk, "On Consistency Among Social Activists." "The Requirements of Christian Love" was the title of a lecture he presented at St. James Episcopal Cathedral, Chicago, Ill., Dec. 14.

Charles F. Crutchfield, associate professor of law, presented a lecture to Prof. Bill Smith's sociology class, University of Notre Dame, Nov. 15, entitled "Implication of Fault/No Fault Dissolution of Marriage in Our Society."

Cornelius F. Delaney, professor of philosophy, presented a paper, "Peirce on the Conditions of Possibility of Science," Eastern Division meeting of American Philosophical Association, Boston, Mass., Dec. 28.

Rev. Regis Duffy, O.F.M. visiting professor of theology, gave a talk, "Nurturing a Personal Relationship With God," at the Sunshine State Religious Education Conference, Orlando, Fla., Nov. 12.

Josephine Ford, professor of theology, gave a lecture, "Modern Interpretation of Revelation," at the Wheaton Graduate School, Wheaton, Ill., Nov. 7. She also delivered a talk, "Mary: 'Who Do You Say That I Am?'" at the Women in Theology Lecture Series, Center for Social Concerns, University of Notre Dame, Dec. 5.

Alfred J. Freddoso, assistant professor of philosophy, delivered a paper, "Medieval Aristotelianism and the Case Against Secondary Causation in Nature," to the Society of Medieval and Renaissance Philosophy, meeting in conjunction with the American Philosophical Association Eastern Division meeting, Boston, Mass., Dec. 28.

Rev. Patrick D. Gaffney, C.S.C., assistant professor of anthropology, delivered a paper entitled "Islamic Movements in the Student Context of Upper Egypt" as part of a panel on "Islamic Movements" at the International Congress for Anthropological and Ethnological Sciences, Vancouver, British Columbia, Canada, Aug. 22. He was the chairman of a panel entitled "Contemporary Middle East Society" and presented a paper, "Pulpit, Podium and Soap Box: Preachers and Preaching in Contemporary Egypt," at a meeting of the Middle East Studies Association of North America, Chicago, Ill., Nov. 3-6.

Paul R. Grimstad, assistant professor of biology, presented two lectures on "The Epidemiology and Ecology of Jamestown Canyon Virus as It Affects Humans in the Midwest" to the staff of the Calhoun County Board of Health and the Board of Directors in Battle Creek, Mich., on Nov. 23.

Paul E. W. Hemminger, visiting instructor of management, gave a presentation on "Strategies for Managing Information Flows in a Medical Practice" at the Medical Practice Seminar of the Indiana Clinical Conference, Center for Continuing Education, University of Notre Dame, Oct. 9.

Gerald L. Jones, professor of physics, presented a talk entitled "Is a Sensible Distribution Function Theory of Liquids Possible?" to the Chemical Physics Seminar at Cornell University, Ithaca, N.Y., on Oct. 18.

Eileen Kearney, assistant professor of theology, was a lecturer for the M.A. Colloquium: "The Question of Redemption: Augustine to Abelard" held at the University of Notre Dame, Nov. 2. She was a guest lecturer on "Abelard and Heloise" at Saint Mary's College, Notre Dame, Ind., Nov. 10. She also participated in a panel discussion on "Merton and Mysticism" at Saint Mary's College, Dec. 10.

Kwan S. Kim, associate professor of economics and Kellogg Institute fellow, presented a paper entitled "Industrialization in Mexico: Policy Issues and Perspectives," at the Allied Social Science Association Conference held in San Francisco, Calif., Dec. 29. He also chaired a session on "Macroeconomic Issues in North America" at the conference, on Dec. 28, and participated in two additional sessions on "Macroeconomic Policy" as a discussant of papers on Dec. 29 and 30.

Laura Klugherz, assistant professor of music, was the conductor and concertmaster of the Notre Dame Chamber Orchestra which gave its first performance with works of Handel, Mozart and Ernst Bloch on Nov. 15.

Dim-Lee Kwong, assistant professor of electrical engineering, presented the following three papers at the Electrochemical Society Annual Meeting, Washington, D.C., Oct. 14-17: "Analytical Analysis of Avalanche Breakdown Voltage of Ion-Implanted Junctions Using Half-Gaussian Distributions"; "Transient Thermal Annealing of Co-sputtered Tantalum Silicide Films"; and "Threshold Voltage Shift Due to Pearson IV Doping Profile in Surface Channel MOSFETs."

Edward Laarman, visiting assistant professor of theology, presented a paper entitled "Deterrence: For Peace or Security?" at the Consultation on War and Peace Studies, American Academy of Religion, Dallas, Tex., Dec. 19.

Catherine LaCugna, assistant professor of theology, presented a lecture entitled "Rethinking God: Conversion and Feminism," for the Women in Theology Lecture Series, Center for Social Concerns, Notre Dame, Ind., Nov. 17. She was a homilist at Christ the King Church, South Bend, Ind., on Dec. 10.

Ruey-wen Liu, professor of electrical engineering, presented an invited paper, "Analog Fault Diagnosis--A New Large-Scale Estimation Problem," coauthored with Y.E. Huang, at the "Curriculum for Test Technology Workshop" at Minneapolis, Minn., Nov. 16-17, sponsored by the IEEE Computer Society. He was also invited to be a panelist.

Rev. Richard McBrien, Crowley-O'Brien-Walter professor and chairman of theology, gave a lecture on "Catholic Theology in America Twenty Years After Vatican II" at the Seminary of the Immaculate Conception in Huntington, N.Y., Nov. 6. He presented a lecture on "Luther and the Catholic Church: 500 Years Later" at Biscayne College in Miami, Fla., Nov. 10. On Nov. 14, he conducted a High School-College Interface Workshop session on "The Mission of a Catholic School" at the University of Notre Dame. He presented a Theological Inquiry Seminar at the Computer Center at Notre Dame on Nov. 15. "Ecclesiology and Magisterium" was the title of a lecture McBrien gave at the Notre Dame Institute for Clergy Education on Dec. 2. He also chaired the Symposium on Catholic Social Teaching and the American Economy which concerned "The Poor and the Disadvantaged" segment of the proposed pastoral letter of the National Conference of Catholic Bishops, Center for Continuing Education, Notre Dame, Ind., Dec. 13.

Marvin J. Miller, professor of chemistry, gave an invited symposium seminar, "Synthesis of β -Lactams," at the Midwest Regional meeting of the American Chemical Society, University of Kansas, Lawrence, Kan., Nov. 3. He gave the same seminar at the following: University of California (San Francisco), Department of Medicinal Chemistry, Nov. 29; University of California, Berkeley, Department of Chemistry, Nov. 30; Syntex, Inc., Palo Alto, Calif., Dec. 1.

Leonard E. Munstermann, assistant faculty fellow in biology, gave an invited address entitled "Biochemical Genetics: Implications for Taxonomy of Culicine Mosquitoes" at a symposium entitled "Genetics of Insect Vectors of Disease", at the 15th International Congress of Genetics, New Dehli, India, Dec. 19.

Walter Nicgorski, associate professor and chairman of the program of liberal studies, lectured on "Politics and Ethics" to the Northern Indiana Chapter of Parents Without Partners in Mishawaka, Ind., Oct. 23. He presented a paper on "The College Experience and Character Development" to the Foundations of Moral Education Group of the Council for Research in Values and Philosophy at Boston College, Boston, Mass., Nov. 14.

Rev. Thomas O'Meara, O.P., professor of theology, presided and gave the presidential report at the annual meeting of the North American Paul Tillich Society, at the Convention of the American Academy of Religion, Dallas, Tex., Dec. 18.

Anand Pillay, assistant professor of mathematics, gave a talk, "Normalization Theorems," at the Midwest Model Theory meeting at the University of Illinois at Chicago, Nov. 18.

Morris Pollard, professor emeritus of microbiology and director of Lobund Laboratory, delivered an invited lecture, "Life in a Sterile Environment," to the staff of the Division of Biology and Medical Research, Argonne National Laboratory, Argonne, Ill., on Dec. 1. He also delivered an invited lecture, "The Development and Use of Model Systems for Cancer Research," in the Department of Pathology, Northwestern University Medical School, Dec. 9.

Karamjit S. Rai, professor of biology, presented a paper entitled "Genetic Effects of Ultra High Voltage Transmission Line Electric Fields on *Aedes aegypti*" at the annual meeting of the Entomological Society of America held in Detroit, Mich., Nov. 30-Dec. 2.

John Santos, professor of psychology and director of the Center for Gerontological Education, Research and Services, presented research findings on "Drug Abuse and Misuse Among Minority Elderly" at the 36th annual scientific meeting of the Gerontological Society of America. He also served as discussant for the symposium on "Issues in Studying Special Populations of Aged" at the meeting in San Francisco, Calif., on Nov. 22.

James H. Seckinger, professor of law and director of the National Institute for Trial Advocacy, was a faculty member at the National Institute for Trial Advocacy and Friedman & Koven In-House Trial Advocacy Program, Chicago, Ill., Sept. 22-24; faculty member at the National Institute for Trial Advocacy and Streich, Lang, Weeks & Cardon In-House Negotiation Program, Phoenix, Ariz., Nov. 9-13; faculty member at the Advocacy Teachers' Training Session, University of California at Berkeley, Boalt Hall, Berkeley, Calif., Nov. 18-20; faculty member at the NITA Rocky Mountain Regional Program, University of Denver, Denver, Colo., Dec. 1-4; team leader at the Advanced Trial Advocacy Session, University of Florida, Gainesville, Fla., Dec. 10-14.

James P. Sterba, associate professor of philosophy, gave a talk entitled "A Moral Assessment of Nuclear Deterrence," at a conference on Ethics and Nuclear Deterrence, University of Dayton, Ohio, Nov. 3-4. He spoke on "Justice as Liberty" at Berea College, Berea, Ken., Nov. 17. "How to Achieve Nuclear Deterrence Without Threatening Nuclear Destruction" was the title of a symposium he presented sponsored by "Concerned Philosophers for Peace" at the Eastern Division American Philosophical Association Meeting in Boston, Mass., Dec. 27-30. He also chaired a session on "Justice and Free Riders" at that meeting.

Albin A. Szewczyk, professor and chairman of aerospace and mechanical engineering, presented a lecture, "Behavior of a Turbulent Linear Shear Flow as It Approaches a Bluff Body," (with C. Fiscina) at the 36th Annual Meeting of American Physical Society, Division of Fluid Dynamics, Houston, Tex., Nov. 20-22.

Laurence Taylor, professor of mathematics, gave a talk, "Homology of Function Spaces," at the Oberwolfach Homotopy Conference, Oberwolfach, West Germany, Sept. 10-16.

Kathleen J. Turner, assistant professor of communication, chaired three panels at the Speech Communication Association Convention, Washington, D.C., Nov. 10-12: "Rhetoric, History and Literature: Papers in Honor of Marie Hochmuth Nichols"; "Communication and History: Dual Perspectives on Franklin D. Roosevelt as a Summit Negotiator"; and "Debut Papers in Public Address."

Eugene Ulrich, associate professor of theology, presented a two-day workshop on "Old Testament Methodology" to the Notre Dame Institute for Clergy Education, Notre Dame, Nov. 3-4.

Robert Vecchio, associate professor of management, served as a discussant for a paper session entitled "Sources of Feedback and Information: Cues from the Organization, Task, and Co-Workers" at the national meeting of the American Institute for Decision Sciences, San Antonio, Tex., Nov. 23.

Stephen Watson, assistant professor of philosophy, presented an invited paper entitled "Abysses: On the Failure of Foundationalism" in a session on the philosophy of Jacques Derrida at a meeting of the Society for Phenomenological and Existential Philosophy, St. Louis, Mo., Oct. 20-23.

F. Ellen Weaver, associate professional specialist in theology, presented a lecture, "Jansenist Erudition and Piety and the Jansenist Women," at the Colloquia of the Center for Renaissance Studies, Newberry Library, Chicago, Ill., Jan. 12.

Howard Wettstein, associate professor of philosophy, presented a paper on "Direct Reference and the Cognitive Significance of Language" at City University of New York Graduate School, Dec. 21.

Rev. James F. White, professor of theology, gave a workshop on "Liturgical Theology" at the South Indiana Conference of the United Methodist Church, Terre Haute, Ind., on Nov. 10-12.

Alexander Wilde, senior fellow of the Kellogg Institute and visiting associate professor of government, was a featured speaker at a two-day conference on "Religion and Revolution in Latin America" at Whitman College, Walla Walla, Wash., Nov. 16-17. He gave a major address, "Fighting the Plague: Religion and Politics," and took part in several press conferences.

Rev. Robert Wilken, professor of theology, presented the Martin Luther Lecture at the Luther Conference, Queens College, New York City, Nov. 10. He was also a participant in the Lutheran Orthodox dialogue, New York City, Dec. 13-14.

Robert W. Williamson, associate professor of accountancy, presented a tutorial on "Integrating the Microcomputer in the Accounting and Business Curriculum" at the 15th Annual Meeting of the American Institute for Decision Sciences in San Antonio, Tex., Nov. 22.

John H. Yoder, professor of theology, participated in a roundtable discussion at the symposium on "Ethics and National Security" sponsored by the Purdue Political Science Department, W. Lafayette, Ind., Oct. 7-8. He gave a lecture, "The Gospel Confronts the Arms Race," at Albion College, Albion, Mich., Oct. 27. He conducted a panel synthesis at the Wesleyan Theologian's Conference, Anderson, Ind., Nov. 4-5. Yoder presented two lectures on "War and Peace" at the Illinois Conference of Churches, Normal, Ill., Nov. 11-12. He also participated in the conference of Latin America Theological Fraternity, Cuernavaca, Mexico, Nov. 24-29.

administrators' notes

appointments

Fred Freeman, former assistant director of personnel, has been named associate director with general administrative responsibilities.

Edward F. Hums, former assistant to the comptroller, has been named the University's assistant comptroller, effective Jan. 1.

Paul A. Rentschler, former manager for benefits and insurance at Bethlehem Steel plant in Chesterton, has been appointed as manager of compensation and benefits. He will administer pension and group insurance benefits, plan design and wage and salary plans.

Terrence G. Wilkin, former manager of employee relations, has been named assistant director in charge of employee relations, employment and training/development activities.

honors

Herbert T. Juliano, research assistant in the Sports Information Office, has been selected by the executive board of the United States Olympic Committee to serve on the public relations-public information committee. The selection was announced by William E. Simon, president. Juliano also serves as vice chairman of the USOC education council with specific responsibility to plan, initiate and develop a National Olympic Information and Research Center, complete with a museum and hall of fame at Colorado Springs.

Rex J. Rakow, assistant director of security, was recently elected to the office of President of the Indiana Association of Campus Law Enforcement Administrators for a one-year term.

activities

Walton R. Collins, editor of Notre Dame Magazine, conducted a roundtable discussion on "Alumni Publications" at the 1983 Great Lakes District 5 Conference of the Council for the Advancement and Support of Education (CASE), Chicago, Ill., Dec. 12.

Richard W. Conklin, director of Information Services, conducted a workshop entitled "Working with Your President: Tailoring Media and Revenue Opportunities" at the 1983 Great Lakes District 5 Conference of the Council for the Advancement and Support of Education (CASE), Chicago, Ill., Dec. 12.

Carl Magel, director of Printing and Publications, served as the program chairman for the 1983 Great Lakes District 5 Conference of the Council for the Advancement and Support of Education (CASE) held in Chicago, Ill., Dec. 11-14.

Don Nelson, art director of Notre Dame Magazine, conducted a roundtable discussion entitled "A Face Value: What Your Cover Says About Your Alumni Magazine" at the 1983 Great Lakes District 5 Conference of the Council for the Advancement and Support of Education (CASE), Chicago, Ill., Dec. 13.

James E. Reilly, regional director of development, was chairman of the Corporate and Foundation Track for the 1984 Middle Atlantic District 2 Conference of the Council for Advancement and Support of Education (CASE), Hershey, Pa., on Jan. 15-18.

documen- tation

the university of notre dame institutional biosafety committee

Purpose

The Institutional Biosafety Committee (IBC) was created in the fall of 1982 in order to conform with federal guidelines, as set by the National Institutes of Health (NIH), concerning research involving recombinant DNA. The IBC reviews for compliance with the NIH Guidelines recombinant DNA research conducted at or sponsored by the University, and approves those research projects it finds to be in conformity with the guidelines.

The IBC, in addition to its purview over research involving recombinant DNA, is also responsible for advising the Vice President for Advanced Studies and the Assistant Vice President for Research and Sponsored Programs, on the use of hazardous materials in research. Such materials include, but are not limited to, infectious agents, oncogenic agents, chemical carcinogens, or other agents which may place research personnel, the general public, or the environment at risk.

Membership

	<u>Term Expires</u>
Subhash C. Basu, Professor of Chemistry, Chairman	1985
John G. Duman, Associate Professor of Biology	1984
Morton S. Fuchs, Chairman of the Department of Microbiology and Professor of Biology	1985
John R. O'Fallon, Assistant Vice President for Advanced Studies, Executive Secretary	ex officio
Kenneth R. Olson, Associate Professor of Physiology, South Bend Center for Medical Education	1985
Paul E. Trost, Pollution Control Officer, St. Joseph County Health Department	1984
Robert M. Zerr, Director of Environmental Health and Safety, Official Observer	ex officio

Procedure

A. Research Involving Recombinant DNA: Members of the faculty who are conducting or planning to conduct research involving recombinant DNA molecules are expected to comply fully with the NIH Guidelines (copies can be obtained from the IBC Executive Secretary). As part of the compliance procedure, the principal investigator (PI) must notify the Institutional Biosafety Committee by contacting the Chairman or Executive Secretary of the IBC. The PI will be asked to provide the IBC with a brief description of his or her

research and a determination of the class of experiment and level of physical containment; this must be done even if a PI determines that his or her work is exempt from the guidelines. The IBC will make its own determination of the class of experiment and level of containment, review the research for compliance with the NIH Guidelines, and approve the project if it is in conformity with the guidelines. The Executive Secretary will inform the PI of the committee's action. Normally, it will not be necessary for the PI to actually meet with the IBC.

If the IBC determines that the required level of containment is P2 or higher, members of the committee will visit the PI's research laboratory before final approval is given. If the level is P1, a laboratory visit usually will not be necessary; however, as part of its standard procedure, the committee may visit any laboratory involved in recombinant DNA research from time-to-time.

If at all possible, the PI should obtain approval of the IBC before submitting a proposal for support of DNA-related research to an outside agency; some agencies require such advance approval.

Any changes in approved research projects which might affect the required level of containment must be brought to the attention of the IBC by the PI.

In general, PI's should contact the IBC Executive Secretary regarding administrative and procedural matters pertaining to the IBC; they should contact the IBC Chairman on technical and scientific questions involving the IBC and their research.

B. Hazardous Materials in Research: Questions involving the use of hazardous materials in research occasionally arise during the processing of research proposals. The Vice President for Advanced Studies or the Assistant Vice President for Research and Sponsored Programs will take such questions to the IBC on an as-needed-basis. PI's who have questions or concerns in this area should discuss them first with the Assistant Vice President rather than with the IBC. If he deems it necessary, the Assistant Vice President will take the issue to the committee.

The IBC may invite members of the faculty to serve as temporary consultants to the committee if the expertise of the regular members of the committee does not cover an area that is under consideration.

December, 1983

minutes of the academic council meeting november 16, 1983

(1) The first meeting of the year of the Academic Council was held on Nov. 16, 1983. Father Hesburgh welcomed the new members and thanked them for their willingness to serve on the council.

(2) Committee for the Review of the Provost

(a) In March of 1983 the Academic Council chose five persons from among its elected members and one of its student members to comprise the Review Committee for the Provost. A formal five-year review of the provost position is mandated by the University's Academic Manual. The members of the committee were: Rev. Thomas E. Blantz, C.S.C., Prof. Fernand Dutile, Prof. Morton Fuchs, Prof. Lee Tavis and Prof. K. T. Yang, as well as Michael R. Smith, a student in the College of Arts and Letters. Father Blantz chaired the committee.

(b) Father Blantz reported on the process employed by the committee. Individual letters were sent to all faculty and rectors and to the student representatives on the Academic Council. In addition, a notice was placed in Notre Dame Report. In response, 39 letters were received from individuals and 27 people were interviewed individually or in groups.

(c) The committee submitted an 18-page report to Father Hesburgh. Its major recommendation was that Professor O'Meara be reappointed as provost.

(d) Father Hesburgh will submit the report to the University Trustees at their May meeting.

(3) Election of the Members of the Executive Committee of the Academic Council

(a) According to the custom of the Academic Council, a straw ballot was conducted to narrow down the list of candidates. The top 10 names then constituted the slate of eligible candidates. Each voter cast a ballot with five names on it. The five persons who received the most votes were elected. Father Hesburgh then appointed three other representatives.

(b) Elected were:

Rev. James T. Burtchaell, C.S.C.
Department of Theology

Dean Francis J. Castellino
Department of Chemistry

Prof. Cornelius Delaney
Department of Philosophy

Prof. Fernand Dutile
The Law School

Prof. Thomas Swartz
Department of Economics

Appointed by Father Hesburgh were:

Dean Frank K. Reilly
Department of Finance
Dean Roger A. Schmitz
Department of Chemical Engineering

and Michael Hayes (Student Academic Commissioner).

Ex Officio Members are:

Prof. Timothy O'Meara
Provost

Rev. Edward A. Malloy, C.S.C.
Associate Provost

(4) Panel of Reviewers for the Sex Discrimination Appeals

(a) Provost Timothy O'Meara announced a Panel of Reviewers for Sex Discrimination Appeals. This is according to the terms of a previous legal settlement. At least three members of the panel must be female.

(b) The members of the panel are:

Professors Cornelius Delaney, philosophy; Gerald Arnold, physics; Sheilah Brennan, philosophy; John Derwent, mathematics; Michael Etzel, marketing; Moira Geoffrion, art; Trai Le, law; Edward Trubac, finance; and K. T. Yang, aerospace and mechanical engineering.

(5) Report on Retirement Age and Tenure

(a) Dean David T. Link reported to the council on the issue of possible changes in the Faculty Manual with regard to the age for retirement and tenure. Under the Federal Age Discrimination Employment Act (ADEA) the age for mandatory retirement has been raised to 70. The question was raised whether this is applicable to religiously affiliated institutions of higher education.

(b) One proposal that was considered was whether the age for retirement could be 'decoupled' from the maximum age for tenure protection. It is probable, however, that any move in this direction would run afoul of the federal law.

(c) Three options were then presented to the council:

(I) Leave the present formulation in the Faculty Manual unchanged and hope that the Federal law would be found to be inapplicable.

(II) Specify the age of 70 as the mandatory time for retirement.

(III) Specify the age of 65 as the ordinary time for retirement except when it would violate applicable federal or state law.

(d) Dean Link recommended Option III to the council but offered two different formulations:

Formulation 1 -- "A member of the faculty ordinarily retires and becomes emeritus on the first day of July following the faculty member's 65th birthday. If mandatory retirement at that point would violate an applicable and valid law, federal or state, the faculty member will not be mandatorily retired before the first day of July following the attainment of any age above 65 at which mandatory retirement on basis of age is permitted under such law."

Formulation 2 -- "A member of the faculty ordinarily retires and becomes emeritus on the first day of July following the faculty member's 65th birthday. If mandatory retirement at that point would violate an applicable and valid law, federal or state, the faculty member ordinarily retires on the first day of July following the attainment of any age above 65 at which mandatory retirement on the basis of age is permitted under such law."

(e) Dean Link formally proposed Option III, Formulation #2. The motion passed on a voice vote. This addition to the Faculty Manual will be presented to the Board of Trustees at its May meeting.

(6) Review of the Academic Manual

(a) The Executive Committee of the Academic Council has recommended that a review of the Academic Manual be undertaken by the newly elected Executive Committee of the Academic Council. Any proposed changes would eventually be brought back to the Academic Council for approval and subsequently sent on to the Board of Trustees.

(b) An amendment was introduced from the floor to include the Chairperson of the Faculty Senate as a member of the Review Committee. This amendment was approved.

(c) The recommendation was approved as amended.

(7) Report from the Committee on Final Examinations

(a) Professor O'Meara introduced the report by indicating that a number of complaints had been heard during the last academic year about the lack of conformity to the present rule on final examinations. A quick survey turned up 67 courses in the fall semester in which no final exam was given even though it seemed appropriate. In response to this perceived problem, a committee was constituted which included the following members:

Rev. James T. Burtchaeil, C.S.C., theology; Prof. Joseph Buttigieg, English; Prof. Morton Fuchs, microbiology; Prof. Kenneth Milani, accountancy; Prof. Arvind Varma, chemical engineering; and Prof. Ronald Weber, American studies, chairperson.

(b) The committee submitted a seven-page report, including a number of recommendations for amendments to the Academic Code.

(c) Father James T. Burtchaeil, C.S.C., representing the committee in the absence of the chairman, who is on leave, reviewed the substance of the report. He made the following points:

There seemed to be a number of courses where the final exam was given in place of the last class period or even in the penultimate class (perhaps to suit the travel plans of the faculty member).

In other courses a take-home exam was substituted for the normal final exam. In a few cases no final exam was given at all.

It has become the custom in some courses for the final exam to be the last test in a series of tests, focused simply on the material covered since the last exam.

There are two distinguishable issues: (i) Pedagogical--the place that final exams should have in the educational process; (ii) Practical--the proper way to implement a given pedagogical theory while respecting variances in the types of courses.

American universities are unique. In most other parts of the world, the grade for the whole course depends on the final exam. Most faculty do not seem disposed to vary much from the American standard.

The committee felt that it was important to reiterate that the final exam should be the principal single source of evaluation of student performance. It recommends that the final exam not be weighted for less than one-third or more than two-thirds of the final grade.

The committee recommends that the possibility of exempting seniors from the final exam be eliminated.

The committee recommends that the final exam be cumulative and comprehensive. It cannot be replaced by a term paper, take-home exam or a test covering only a portion of the material of the course.

The committee is not disposed to recommend any extension of the present 'study day' concept to a more prolonged period as exists in some other schools.

The main objection to take-home exams is that they tend to pre-empt the time that should be used for other courses.

It is impossible to formulate principles for exemption from lab or studio courses. This is best left to the approval of the department chairperson with subsequent review by the dean.

The committee does not wish to recommend any changes for testing in post-baccalaureate courses.

The committee considers it desirable that faculty not be given a 48-hour deadline for turning in grades. A more reasonable time should be provided.

In the spring semester, those taking final exams should not be forced to leave campus pre-emptorily if they have a final on the last day of testing. The possibility should exist to stay overnight.

Father Burtchae11 reminded the Academic Council that the recommendations apply to the Academic Code and require approval of the Academic Council alone.

Father Burtchae11 moved acceptance of the Report of the Committee on Final Examinations.

(d) Prof. Cornelius Delaney, a member of the Executive Committee, was then provided an opportunity for critical response to the report. He made the following points:

Two problems motivated the document: (i) The administrative problem--response to practices of individual faculty members; (ii) The pedagogical problem--disagreement about the form and function of final exams. One of the problems with the report is that it attempts to solve both problems simultaneously.

The pedagogical point of view reflected in the report is not defensible in its generality.

A student's performance in a given course should be evaluated in terms of the aims of the course. In the College of Arts and Letters, for example, there are many different types of courses which can be tested effectively through methods such as a short weekly paper, weekly oral reports or extensive research leading to a paper.

Notre Dame students are better at assimilation of information than they are at critical assessment of issues and positions. Our form of testing should push our students to expand their capabilities.

If the report is targeted on irresponsible faculty, the new regulations would not deter them.

There is no denying that the administrative problem is real. This could be handled by requiring in each course that an appropriate final assignment be turned in, in person, on the day of the final exam.

(e) Father Hesburgh then opened the floor for a general discussion of the report. The following points of view were expressed:

Intrusion into the final exam period of take-home exams and other assignments is a real problem.

The norm of the final exam being a test of cumulative knowledge does not seem to be held by way of consensus in the College of Arts and Letters.

If the final exam counts for more, a greater period of time should be provided to prepare for it.

A number of speakers expressed reservations about increasing the value of the final exam to as much as two-thirds of the final grade.

Because the report of the committee has only recently been made available, not enough time has elapsed for proper discussion by all interested parties. This matter should not be decided precipitously. The Faculty Senate would welcome the opportunity to discuss the report there.

Two problems related to the concerns of the report have emerged on campus: (i) The lack of graded exercises that are clearly related to course objectives; (ii) The lack of an assigned analytical paper in most courses after the Freshman Year. The mastery of substantive content is the norm. If we make the final exam more important, it will further reduce the development of writing skills.

The registrar has attempted to extend the period by which all grades have to be turned in.

A number of speakers suggested that the report be tabled and time be allowed for further discussion of its recommendations by faculty and students.

(f) Father Burtchae11 moved that the report be publicized and comments be welcomed from the College Councils, the Faculty Senate, Student Government and other interested parties. Reactions to the report should be directed to the Committee on Final Examinations in care of the Provost's Office. A vote was taken and the members of the Academic Council approved the motion that the report be publicized and comments be solicited before further action is taken in the council.

(8) The meeting was adjourned at approximately 5:45 p.m.

(9) The next meeting of the Academic Council will be Monday, Dec. 5, 1983, at 3:30 p.m. in Rooms 100-102-104 of the Center for Continuing Education.

Respectfully submitted,

(Rev.) Edward A. Malloy, C.S.C.
Secretary to the Academic Council

Appendix

TO: Prof. Timothy O'Meara

FROM: Dean David T. Link and Prof. F.N. Dutile

SUBJECT: Retirement Age and the Academic Manual

Article III, section 10, of the Academic Manual provides: "A member of the faculty ordinarily retires and becomes emeritus on the first day of July following the faculty member's 65th birthday." The same section allows for earlier retirement either at the faculty member's choice or, in the event of disability, at the University's option. Moreover, any member of the faculty may be dismissed for serious cause (Article III, section 6).

The retirement date currently specified by the Manual is not technically mandatory ("ordinarily retires") and, indeed, many faculty members have been retained well beyond their 65th year. Nonetheless, we have, until recent federal legislation, treated it as a generally applicable mandatory retirement date.

The Age Discrimination in Employment Act (ADEA) currently prohibits, with few exceptions, any mandatory retirement age below 70. (See 29 U.S.C. §§ 623, 631). In light of this development, the issue is whether, and if so how, the Academic Manual should be changed.

Complicating the problem has been the "decoupling" suggestion, i.e., the separation of the tenure concept from the mandatory retirement age. The idea is to have tenure cease at age 65, with annual reviews and contracts available thereafter. If at age 68, for example, a better candidate for the position becomes available, the faculty member would not be renewed. Since, at this point, the termination is not because of age, the theory is that no mandatory retirement age below 70 is at work and therefore the ADEA is not violated.

The decoupling theory, however, inadequately recognizes two points. First, the ADEA does more than prohibit a mandatory retirement age; it expansively prohibits any variation on the basis of age in the employer's treatment of employees between the ages of 40 and 70. Title 29, section 262, provides:

- (a) It shall be unlawful for any employer --
 - (1) to fail or refuse to hire or to discharge any individual or otherwise discriminate against any individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's age;
 - (2) to limit, segregate, or classify his employees in any way which would deprive or tend to deprive any individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's age; or

- (3) to reduce the wage rate of any employee in order to comply with this chapter.

Second, the decoupling theory erroneously focuses on the employee at the point of separation from the University. Prior to any individual's separation from the University, however, the decoupling concept creates on campus, on the basis of age alone, a classification of employees, one class (those below 65) subject to involuntary termination only for serious cause or disability, and another (those over 65) subject to involuntary termination even without serious cause or disability. In my judgment, this runs afoul of both 29 U.S.C. § 623(a)(1), by discriminating with respect to "terms, conditions, or privileges. . . because of. . . age", and 29 U.S.C. § 623(a)(2), by classifying employees in a "way which would deprive or tend to deprive" an individual "of employment opportunities or otherwise adversely affect his status as an employee, because of. . . age. . ."

Moreover, the courts have indicated that the statute, as a "remedial and humanitarian" measure, should be liberally construed (see, e.g., *Sartin v. City of Columbus Utilities Commission*, 421 F. Supp. 393 (D. Miss. 1976), *aff'd* 573 F.2d 84; and *Moses v. Falstaff Brewery Corp.*, 572 F.2d 92 (8th Cir. 1975)), and that exceptions under it should be narrowly construed (see e.g., *Sexton v. Beatrice Foods Co.*, 630 F.2d 478 (7th Cir. 1980)). All of these considerations lead me to conclude that the decoupling concept is illegal under the ADEA.

There remain three courses of action, with regard to the Manual's treatment of the retirement issue, which should be considered. The first is to leave it as it is, perhaps in the hope that the federal law will be changed, or interpreted not to cover Notre Dame faculty. The present provision, however, is not accurate with regard to our current practice, which is to retire faculty mandatorily at the age of 70, as apparently required by federal law. The Manual should correctly convey current policy.

The second possibility is to specify in the Manual a mandatory retirement age of 70. Such a provision would reflect current practice and federal law provisions now apparently binding upon the University. There is one potential drawback to this approach, however. Should, as is unlikely, the federal law be ultimately held, for whatever reason, inapplicable to Notre Dame (one federal district court has already held the law inapplicable to a religious, nonprofit, educational institution -- see *Ritter v. Mount St. Mary's College*), it would be too late to revert to a retirement age of 65, at least with regard to those employed during the era in which the Manual stipulated a retirement age of 70, since the Manual provision would presumably be incorporated into their contracts regardless of the ultimate fate of the federal law.

The University should adopt a position that accurately describes current practice, honors federal law and the rights of University employees and maintains University flexibility. This can be done by amending the Manual as follows (Retained language looks like this, and new language like this):

A member of the faculty ordinarily retires and becomes emeritus on the first day of July following the faculty member's 65th birthday. If mandatory retirement at that point would violate an applicable and valid law, federal or state, the faculty member ordinarily retires on the first day of July following the attainment of any age above 65 at which mandatory retirement on the basis of age is permitted under such law.

Indiana itself has an age of discrimination act (IND. CODE ANN. §§ 22-9-2-1 et seq.), but the act specifically excludes from its definition of "employer" any religious or educational nonprofit corporation (Id. § 22-9-2-1(1)) and any corporation subject to the federal ADEA. The Indiana law at present, therefore, does not purport to affect Notre Dame's employment practices. Nonetheless, the proposed Manual provision anticipates the possibility of further state law developments in this area.

Two final points are in order. Whether the University should join in, initiate or invite litigation testing the validity of the ADEA depends on how negative an impact the University fears from the statute. It is clear that such litigation would be expensive, in both financial and public relations terms, and immensely distracting. The chances for success are not great. Indeed, even if the University would prevail in court, the victory, unless based on a constitutional right, would be subject to further legislative action. To the extent that the law might be successfully challenged, in any event, willing litigants will probably not be lacking.

Secondly, nothing in the ADEA prohibits the University from dismissing any faculty member for cause or for disability, or from adjusting rewards according to performance, as long as no part of these procedures is directly or indirectly triggered by the fact that the person or class involved has reached an age between 40 and 70.

Should you need any further information on this matter, please let me know.

faculty senate journal

october 4, 1983

The meeting was called to order at 7:38 p.m. by Prof. Mario Borelli in rooms 100-104 of the Center for Continuing Education. The senate's guest for the evening, Father Theodore Hesburgh, led the opening prayer.

Borelli opened the questioning by asking Hesburgh's reaction to the tuition surcharge for improved student financial aid recommended by Prof. Vaughn McKim (Student Financial Aid Report, May 1983). Hesburgh was not in favor of the plan because currently at Notre Dame 65% of the students receive aid, and this figure has been as high as 80%. He felt that it could reach even 90%. However, he has asked Brother Kieran Ryan and his staff to prepare an indepth study of the recommendation to be presented to the Board of Trustees, hopefully in January 1984.

Prof. John Yoder, chair of the Administrative Affairs Committee, asked for what University matters the senate could act as a sounding board. Hesburgh replied that almost anything which was of concern to the faculty such as curriculum, faculty quality, should be discussed or surveyed by the senate. His one particular concern was: "If we do not seriously do as good a job as we can in the time we have to present the humanistic view, we will not be true to this University." He felt it was a special concern of a Catholic university to transmit knowledge of Catholic theology and philosophy as well as the arts and humanities.

Chair of the Faculty Affairs Committee, Prof. Donald Barrett, then reminded Hesburgh that it was time for the decennial review of the Faculty Manual. Hesburgh said he had already asked the provost to invite comments from both the senate and the Academic Council. Also he hoped the revision would not need to be as extensive and time-consuming as the last time the manual was revised.

In her capacity as chair of the Student Affairs Committee, Prof. Teresa Phelps asked if Hesburgh thought that student use of alcohol was only a local problem. In replying that it was a problem in society at large, not just here at Notre Dame, Hesburgh said that he thought it was good we had recognized it as a problem to be taken seriously. Unfortunately, the use of alcohol is fostered by local customs. The formation of the University Committee on the Responsible Use of Alcohol is a positive action because Notre Dame cannot give up on this problem which does hurt young people.

Barrett changed the topic by asking if it was too late for the faculty to have input in the plans for the new classroom building. Hesburgh answered that there was time available, but no money so far for this building. Space to construct it was planned when the faculty office building was designed. The senate could send ideas to the provost.

Borelli wanted to know where this building ranked on Hesburgh's list of priorities. The answer was that it was among 6 or 7 items, but that certainly library books, computers, endowed professorships, scholarships, building renovation, and a further commitment to the fine arts ranked higher. If there could be more classes held at 8:00 a.m. or at 3:00 p.m., then there really wouldn't be the need to build a new classroom facility. Borelli felt Notre Dame could still use a few more large classrooms.

Prof. Michael Crowe spoke to both the Administration's and faculty's concern over faculty research and publication productivity. He presented a summary of results from the senate's survey of sabbatical leave policies at Notre Dame and its peer institutions. According to his study, at least seven peer institutions have a policy of regular sabbatical leave, and two have even better policies with leaves granted to untenured faculty as well. In comparing the number of Notre Dame faculty on leave with those in

each school or college for the last two years, Crowe found that Arts and Letters faculty were granted leave an average of each 11.53 years while Business School faculty had to wait 44.67 years. He felt the University ought to consider adopting a sabbatical leave policy.

Hesburgh stated that he thought that many schools gave sabbaticals because their faculty had competitively earned awards and fellowships. He said that he had repeatedly brought to the provost's attention the fact that Notre Dame faculty were not getting awards in the humanities especially. He felt it should be a matter of faculty pride, not just faculty development. If the Notre Dame faculty were competitive in getting awards then the Administration could get other monies to supplement the awards. Crowe pointed out that the peer institution survey had only dealt with regular sabbatical leaves.

In the discussion which followed, Hesburgh again expressed his desire to see Notre Dame faculty names appearing among lists of awards. He stated that: "Part of the problem of playing in the big leagues is that you need to be recognized." Prof. Donald Kommers felt that our record over the past ten years was not as bad as it seemed. And Prof. Michael Francis and Prof. Subhash Basu both expressed the opinion that a policy of regular leave would foster research planning and would lead to better, more competitive proposals to capture the prestigious grants and fellowships.

Hesburgh then reminded the senate that many awards do go to established universities simply because of the "old boy" network, and that Notre Dame faculty had to be more active in professional societies, and get named to the various review boards involved with these awards.

In response to a question from Prof. William Stanchina regarding Notre Dame's involvement in technological research, Hesburgh said that there were many new opportunities for university involvement with businesses for funding research. He cited Carnegie Mellon and Westinghouse working together on robotics. One problem is that business is interested mostly in applied rather than pure research. Perhaps we could aid South Bend in developing an industrial park. The resources of the Great Lakes -- water, location, manpower, industries, and strong universities -- will have to be forged into a working relationship. "People must become interested in the common good. We can't be passive to the economics of this area where we live. We must have a complete, new creative look at how we as a university relate to it."

Prof. John Derwent asked what Hesburgh's plans were for enrollment as the numbers seem to be creeping upward. He replied that he felt we are as large as we should be. "However, I'd like to have a thousand more in graduate school, but no more undergraduates."

When asked to respond to the Greeley report by Prof. Kenneth Sayre, Hesburgh said: "I think there is some truth in the report. We are a developing institution. We look at whom we give our endowed professorships to, which is why we are as good as anyone else in philosophy, math, theology. We have other good departments, too. We must build many more." He went on to say that we must have time to fill all the endowed professorships. It is all a matter of development which must not be judged too quickly.

Kommers then turned the discussion towards the controversy over the new health insurance plan. Hesburgh said that seven or eight years ago no other university had provided free medical benefits to their faculty as Notre Dame had. When we began the premium was \$500,000. Now it is passing \$3 million. Unfortunately, the costs have been escalating as much as 36% a year with frivolous usage a contributing factor. He also stated that the Administration is investigating other options including self-insurance. Borelli commented that the senate is also investigating various possibilities with the provost's approval.

Capt. John Rohrbough asked if the Academic Council would be expected to comment on the recent changes in the engineering curriculum. Hesburgh said that while the Academic Council could of course discuss these changes, it was really the college council's responsibility.

Then Borelli asked Hesburgh what he thought the University's goals were for students participating in the foreign study programs. His response was that the student should: "...learn another language, have an introduction to another culture, gain a sense of a different geographic area, and lose that terrible inbred provincialism." He also said that the students should be able to take courses at foreign universities, make their own living arrangements, take care of themselves abroad. Borelli then asked: "In light of this ideal, how does our current program fit in?" To which Hesburgh responded that it was too small, there were not enough centers, and that increasingly important languages like Chinese and Arabic were not being taught, or learned.

Crowe remarked that probably more students than faculty have been abroad in Arts and Letters, and he asked if Notre Dame might make more of an effort to send faculty abroad. Hesburgh said that there were many opportunities to do this such as Fulbrights, and "If someone goes out and gets the competitive award, we will be open-handed to help meet it."

Prof. William Eagan suggested to Hesburgh that support be given in preparing proposals for grants, and he agreed, reminding the faculty that the Office of Research and its counterparts in other colleges were there to help.

Prof. Richard Hunter next asked how service to the University and the community fit in with teaching and research with respect to tenure. Hesburgh's answer was that one can't be a serious scholar without doing research, but that both teaching skills and research skills are indispensable and required for tenure. Service on the other hand is good, but it cannot rank as highly as teaching and research even when it is of high quality. Hesburgh said: "The only balance in tenure decisions is that it isn't just one person's judgment on these issues."

There being no more questions, Borelli thanked Father Hesburgh and adjourned the meeting at 9:35 p.m.

Respectively submitted,

Jean A. Rosenberg

faculty senate journal november 21, 1983

At 7:32 p.m. Prof. Mario Borelli called the Faculty Senate meeting to order in room 202 of the Center for Continuing Education. Rev. David Burrell, C.S.C., offered the opening prayer. With minor corrections from Prof. Michael Crowe and Prof. John Uhran the minutes of the Oct. 18 meeting were approved.

The first order of business was a report by the senate's representatives on the Faculty Grievances Committee. Prof. Robert Vacca gave some background data on the model grievance procedure and statement of academic responsibility. There is an understanding that the senate will be able to act upon it before the Castellino Committee brings it to the Academic Council. Discussion was limited to 20 minutes with the senate's concurrence as Vacca and Prof. Donald Barrett, the senate's other member on the Castellino Committee, asked for the sense of the senate with respect to:

1. Confidentiality. Assuming that there is a faculty committee to investigate charges, it will need power to do this. Should it have the power to insist on absolute disclosure, or should there be a rule of complete privilege?
2. What is the range of appropriate grievances? Salaries? Promotion to full professor/appeal for promotion? Removal from class?
3. A. Who can bring a grievance?
B. Who can serve on a grievance committee?

Burrell responded that he felt that anyone retained by the University as regular or nonregular faculty should be able to file grievances, but that only tenured faculty should serve on a grievance committee. Also, he felt that the degree of confidentiality should be set by whoever filed the grievance. Prof. Leo Despres thought the Executive Committee should prepare a response to the questions.

Prof. Irwin Press asked if we knew the degree of commitment on the part of the Academic Council. Will the Academic Council approve some version of a faculty grievance committee? If so, then the senate's suggestions will carry some weight. Vacca responded that he felt the senate's input was wanted. Barrett reminded the senate that the provost requested a grievance procedure.

Despres commented that if the grievance issue was salaries, then the degree of confidentiality should be up to the person. However, if it was one of promotion, then the confidentiality of the CAP comes into question. The legal position of the CAP and the University poses a problem. Barrett indicated that confidentiality on various levels was a problem in setting up the grievance procedures. He suggested that the normal rule of confidentiality should be allowed.

The question of due process was raised by Despres. Press agreed that this was a problem, in fact it was the problem which sparked the formation of the Faculty Grievance Committee in the first place. Vacca stated that due process was still fundamentally an issue before the committee.

Prof. William Eagan expressed the opinion that the senate should devote some time to discussing these matters before the report itself is issued. Perhaps past minutes and available documents from last year could be made available to refresh our memories. Barrett reminded the senate that the exact wording could not be discussed before the report is released by the committee, but that we did have the provost's promise that the senate would be able to comment on the report before it went to the Academic Council.

Prof. Michael Crowe said that there was difficulty in setting up a procedure to deal with each of the three points. The range of possible grievances was so wide that the procedures might become too vague. This dilutes the value of a grievance procedure. Borelli closed this discussion by stating that all the senate originally wanted was a grievance procedure to cover removal from classes.

The next order of business was a report from Borelli on the status of the senate's investigation of group health insurance plans. He distributed to the members present a chronology of events since the Sept. 6 meeting when the senate unanimously passed a motion making the investigation of group health insurance plans its first priority. On Sept. 27, a letter addressed to Mr. Michael Reddy asking him to obtain information about group health insurance plans was submitted to the provost for approval. This was given on Sept. 30. By Oct. 24, Mr. Reddy reported that he contacted five companies which were willing to submit unofficial bids providing they received appropriate statistical data. Through the Provost's Office Borelli requested that this actuarial data be released by the Personnel Office. Within two days the following response was given to Borelli (quoted from his report to the senate):

- a. No statistical data would be released.
- b. All contacts with any insurance carriers or similar companies must be made only by the Office of Personnel.

The chairman then suggested that the senate forward to the Office of Personnel the names of those companies (a reasonable number) which the senate wanted to be contacted; the Personnel Office would then transmit to the senate any plans proposed by those companies for the senate's discussion, approval and/or recommendation. The response was that any such list of names be transmitted for approval to the sub-subcommittee chaired by Prof. Herbert Sim; any returning communication to the senate would have to pass through and be approved by the sub-subcommittee.

Borelli then reported on the Executive Committee meeting, Nov. 15, where it was decided that he would seek a meeting with Mr. G. Thomas Bull, Director of Personnel; Mr. Thomas Mason, Vice-President for Business Affairs; Barrett and Press, the senate's two representatives on the sub-subcommittee; and possibly Father Hesburgh. This was not acceptable to the Administration, but a meeting of Bull, Borelli and Sim was offered as a substitute. Borelli then suggested that Barrett be included as he has served on the sub-subcommittee. This was accepted, and the meeting is scheduled to take place Nov. 23.

Borelli is concerned that the sub-subcommittee is only going to ask for bids on the new group health plan with the large deductible, rather than on the previous health insurance plan. Also, timing again becomes crucial with the possibility of the decision again coming during the summer.

Borelli emphasized that the provost has been not only prompt, but most fair in transmitting our concerns to the Director of Personnel and the rest of the Administration. The senate appreciates the way in which the provost has acted as liaison in this matter.

The attitude of the Office of Personnel toward this important matter has been poor and seemingly uncaring. This has even been reported in the Observer. Borelli stressed the

point that we are a community at Notre Dame: "This is not a classical employer/employee relationship."

The senate has several options open to it according to Borelli:

1. Acquiesce.
2. Give Reddy what older statistical data we do have available.
3. Seek what information we can through exercising our rights as expressed in the health insurance brochure on p. 19.
4. Work with the sub-subcommittee provided we can ask that certain companies be contacted and that we receive their responses with or without the sub-subcommittee's response included.
5. Go public.
6. Invite Bull to meet with the senate.
7. Contact the A.A.U.P. and start a unionization movement.

Prof. Paul Conway and Prof. Vincent DeSantis discussed the relationship between premiums and benefits. Conway pointed out the fact that the cost of the present, new plan will not be known until next fall.

Then Press reported an exchange which took place between himself and Bull at a recent sub-subcommittee meeting. He had expressed the thought that if the bids for group health insurance plans are higher than the present Blue Cross/Blue Shield plan, then the University would of course stay with BC/BS. He then brought up the fact that the bids may be lower than the present BC/BS plan. To this Bull adamantly replied that they wouldn't be. Press said he pursued the issue with Bull who then replied that the University wouldn't make any changes in health insurance carriers for peanuts, and he knew the bids would not be lower.

Borelli then commented that we have the present plan because there was minimal searching done before accepting Blue Cross/Blue Shield's charges. There seems to be minimal concern over those who are covered by this plan. Of course, if the senate comes up with a more expensive plan, the University will not change. However, the Personnel Office does not seem to want to cooperate at arriving at a plan which is fair to all University employees. Several other senators voiced similar concern over the fairness issue. Also mentioned was the fact that the Administration has stated that frivolous use of previous health benefits was a contributing factor to the increased cost and change in plans.

Prof. Kenneth Sayre asked if a minor lowering in cost would be enough to bring about a change in carriers. He thought that since the chemistry with Bull was not good, Borelli should either try to handle the matter through someone else, or recognize the fact that a donnybrook is the likely outcome of such exchanges and just let the situation cool down.

Despres' opinion was that while a donnybrook does have a winner, the senate would be better off investigating alternative health insurance plans such as those at our peer universities. Also he said it would be a waste of time to ask Bull to a senate meeting. Instead, the senate should concentrate on getting a copy of the policy and the necessary statistical data.

It was Press' opinion that the Administration looks upon the sub-subcommittee as the body which represents all interests. However, he was unsure of its influence upon the Office of Personnel.

Conway asked if the senate was looking for better health insurance coverage, better premiums or both. He suggested that the senate should set up guidelines and pass them on to the sub-subcommittee. Barrett suggested that what was needed was the most suitable health plan for the dollar whether it was spent by the University and/or the individual faculty member. He said that the senate must keep pressure on the Director of Personnel to sign with a carrier which will aggressively try to hold down costs.

Next Press asked for clarification on several points:

1. Does the senate have enough information to ask for bids on the original plan and on the new plan?

2. Would the sub-subcommittee seek bids from the companies the senate selected?
3. Would the sub-subcommittee look for alternative health insurance plans like HMO's?
4. Can the sub-subcommittee do this on its own, or does it have to work through the Director of Personnel?

Despres stressed the fact that the senate had to ask for the actuarial data, which was in some form to be available to anyone covered by the group plan. He then moved that the senate congratulate the Personnel Office on its efforts to date, and request copies of the insurance policy and all actuarial statistics. He felt the senate should continue its own investigation. This motion was seconded by Prof. John FitzGerald.

During the discussion which followed, Crowe pointed out the fact that the senate had already won a victory. The Administration was indeed looking at the problem. He also brought out the fact that Miles Laboratories had just changed its health insurance carrier from Blue Cross/Blue Shield.

Vacca asked if it was within the senate's capacity to look into HMO's. Several others thought that we should do so. Barrett responded that he had already contacted our peer universities, and that he was receiving information on various types of group health plans.

After several friendly amendments the motion read as follows:

We request in writing pursuant to our rights as described on p. 19-20 of the University of Notre Dame Group Health Plan: Summary Plan Description, the documents and all pertinent actuarial data for purposes of research.

Capt. Rohrbough called the question, and the motion was unanimously passed.

Borelli again expressed his concern that a thorough, imaginative search be made to find the best group health insurance plan available. Also, he felt that the senate should be able to express its ideas as to which carriers and what kinds of plans should be investigated.

Then Press moved that Borelli send a letter to Bull stating the following: The senate is gratified to learn of your Office's efforts to seek competitive bids from other insurance carriers. We request that you seek bids based upon our previous coverage as well as upon our present policy. The motion was seconded by several, and unanimously carried.

After the break, Borelli brought up the matter of the decennial review of the Faculty Manual. He announced that when the Executive Committee of the Academic Council meets to discuss the review, he will be joining it as a member. He then introduced Mr. Donald Bishop, Admissions Counselor, who presented the report on faculty impressions of the undergraduates. (See: Notre Dame Report, No. 17, May 20, 1983.)

Bishop said that further analysis will be taking place with regard to the over 600 ideal students who were identified in the survey. He said that the faculty's consensus was that the students are bright and hard-working but that they lack creativity. The faculty felt that the students grew in all areas except creativity, and that the Admissions Office had to look for students with creativity. Bishop said that he agreed with these sentiments. However, he wondered if the faculty felt there was something they could do to encourage creativity. Is the faculty pushing for creativity in the assignments they give, or are assignments task-oriented?

Diversity is also viewed as a problem from the faculty's point of view. Students are attracted to Notre Dame by its image and quality. While the SAT scores have not gone up, we are attracting more foreign students and we are geographically diverse despite the fact we don't have geographical quotas. Students also decide which universities to attend based on family background, high school background, and economic background. Unfortunately, costs are a determining factor for the lower middle and middle income group who don't qualify for financial aid.

Bishop said that when the Admissions Office selects students, they look for high SAT's, good high school performance, and creativity in the essay part of the entrance applica-

tion. The good, concerned, active student is most likely to be successful as a Notre Dame student.

Crowe asked if the number of applicants was down this year as it had been 18% lower last year. Bishop answered that it was still early and that the new, more difficult, application form was a factor. However, the quality of applicant was higher and the confirmation rate was up.

Then Crowe commented on the fact that while both Notre Dame and Georgetown say they take only the best students, Georgetown seems to favor high verbals and Notre Dame high mathematics SAT scores. In response to this Bishop said that while we do draw on the same applicant pool, verbal scores are affected by regional distribution. The Eastern students have higher verbal scores, and Notre Dame is more geographically diverse than Georgetown which draws from the East Coast. However, Notre Dame does give higher weight to verbal than mathematics despite how it appears.

With reference to the ideal students selected by the faculty, Bishop was impressed by the high correlation of factors identified by both faculty and the Admissions Office. For example, the faculty did identify students whose total SAT's were over 1300. Also, they did reward these ideal students with good grades. The Admissions Office found that in examining factors identified by the faculty as ideal and in matching them to the students, the quality of students in the Sciences, Engineering, and Arts and Letters was very close.

Press asked Bishop if the quality of faculty children was high. Approximately 5% of faculty/staff children were turned down for admissions and some more were questionable. Bishop also commented that the situation with alumni children is comparable. At Notre Dame up to one quarter of each class is made up of alumni children. Like faculty children they are pretty good.

There being no further questions or comments, Borelli thanked Bishop for his interesting report. The meeting was adjourned at 10:10 p.m.

Absent but not excused: Michael Francis, government and international studies; Nathan Hatch, history; Michael Katona, civil engineering; Lawrence Simon, philosophy; Stephen Worland, economics.

Absent and excused: Peri Arnold, government and international studies; Salvatore Bella, management; James Bellis, sociology; James Danehy, emeritus; Bernard Doering, modern and classical languages; Jay Dolan, history; Philip Gleason, history; Sandra Harmatiuk, freshman year of studies; Barry Keating, finance and business economics; Wilhelm Stoll, mathematics.

Respectfully submitted,

Jean A. Rosenberg

university libraries minutes november 18, 1983

Present: Harvey A. Bender, James L. Cullather, Maura Daly, Vincent P. DeSantis, Lloyd H. Ketchum, Robert C. Miller, Andrew J. Sommese.

The meeting was opened by Bender. The minutes of the Oct. 10 meeting were amended and approved for publication.

Several announcements were made: (1) The Advisory Council for University Libraries will meet this year on Nov. 18 and 19. The Faculty Committee will join them for a wine and cheese reception on Friday afternoon and for an automation update on Saturday morning (subsequently cancelled). (2) Giles Constable, a member of the council, will give a lecture in the Medieval Institute on Thursday, the 17th. (3) The next meeting of the Faculty Committee is scheduled for Dec. 12.

DeSantis again inquired about a fire drill for Memorial Library and Miller responded that he had not as yet had opportunity to contact the Fire Marshall, but will and will report back.

Mr. Miller brought to the committee's attention a general position paper on "University Information Policies" prepared and signed by 17 research library administrators of library education. It was agreed that local implication should be discussed at a future meeting.

Charts of 1982-83 expenditures and 1983-84 estimated expenditures for the University Libraries, as well as overall budget comparisons for 1981-82, 1982-83, and 1983-84, were handed out. These comparisons show that over the three-year period salaries and wages are up 33 percent (for the same number of positions) and funds for acquisitions are up 55 percent. The University allocation for acquisitions is up by a higher percentage than the endowment funds. The PACE Report stated the goal of doubling the library endowment. Daly asked if the Development Office is working on individual gifts and was informed that several proposals for specific funding have been written by the library administration. It was agreed that William Sexton be invited to a spring meeting for discussion.

In response to a question, Miller indicated that charging for database services is likely to continue.

During a discussion of location of computer literature, it was indicated that the Libraries need an indication of the University decision on the administrative location of the program before an attempt of centralization of the literature can be pursued. Along these same lines, Miller said that the committee should take a look at other library-like collections through the campus and discuss possible recommendations at a spring meeting.

advanced studies

notes for principal investigators

National Science Foundation Accomplishment-based Renewal Proposals

The National Science Foundation announces an optional approach to submission of renewal proposals for NSF research grants and a revision to Grant Policy Manual Section 252 and 253 which details this option.

Background and Purpose:

Following a successful trial in the Foundation's Chemistry Division, NSF is adopting an alternative mode for submission of renewal proposals under NSF research grants. Called "Accomplishment-Based Renewal (ABR)," the intent of this approach is to decrease paperwork and reduce administrative burdens on the research community.

Submission and Content of Renewal Proposals Under the ABR Option:

All proposals for renewed support of NSF grants will continue to be submitted in accordance with normal Foundation Procedures. However, Principal Investigators now have the option of submitting a "traditional" renewal proposal or an "Accomplishment-Based Renewal (ABR)" proposal, unless precluded by individual program requirements.

An ABR proposal essentially replaces the traditional full project description or main body of the proposal with copies of publications resulting from the research supported by NSF and other sources during the preceding 3- to 5-year period and a brief (not more than 4 single-spaced pages) description of research plans for the requested support period. The content and format of the research plan is left to the Principal Investigator.

Thus, the ABR option does not change existing Foundation award policies and procedures and differs from the traditional renewal only in terms of streamlined proposal content and format.

Review of ABR Proposals:

A proposal submitted under the ABR option will be subjected to NSF's standard peer review. Reviewers will be informed about the Accomplishment-Based Renewal concept.

Principal Investigators are encouraged to discuss these proposal renewal options with their cognizant NSF Program Officials as the ABR may not be a suitable option in all cases.

A copy of the revised Grant Policy Manual Sections 252 and 253 may be obtained by calling Extension 7432.

Assurance of Compliance with DHHS Regulations on the Protection of Human Research Subjects

(continuation)

II. Implementation.

- A. Responsibilities of Research Investigators and Department Heads.
 1. Determination of human subject involvement.
 - a. Research investigators and department heads shall make a determination as to whether research will involve human subjects as defined in 45 CFR 46.102.
 - b. When it is not clear whether the research involves human subjects as defined in 45 CFR 46.102, research investigators should seek assistance from the Office of Advanced Studies - Division of Research and Sponsored Programs (OAS-DRSP) and the UCPHS in making this determination.
 2. Preliminary determination of exemption eligibility.

Research investigators and department heads shall make the preliminary determination of whether such research which does involve human subjects is exempted from coverage under 45 CFR 46.101.

3. Preparation of protocol.

- a. Research investigators shall prepare a protocol giving a complete description of the proposed research. In the protocol, research investigators shall make provisions for the adequate protection of the rights and welfare of prospective research subjects and insure that pertinent laws and regulations are observed. This requirement is applicable even in cases where the research is exempt under 45 CFR 46.101.
 - b. Research investigators shall include samples of proposed informed consent forms with the protocol.
4. Scientific merit and ethical consideration review.
Department heads, through appropriate procedures established within their respective departments, are responsible for reviewing research protocols for ethical considerations and scientific merit.
5. Submission of protocol to the OAS-DRSP.
Research investigators and department heads shall be responsible for insuring that all research involving human subjects is submitted to the OAS-DRSP.
6. Submission of a supplement to an original protocol to the OAS-DRSP.
Research investigators shall be responsible for submitting a supplement and the original protocol to the OAS-DRSP when
- (1) it is proposed to involve human subjects, and the activity previously had only indefinite plans for the involvement of human subjects, or
 - (2) it is proposed to involve human subjects, and the activity previously had no plans for the involvement of human subjects, or
 - (3) ~~it~~ it is proposed to change the involvement of human subjects and that involvement is significantly different from that which was initially approved by the UCPHS.
7. Complying with UCPHS decisions.
Research investigators shall be responsible for complying with all UCPHS decisions, conditions and requirements.

8. Obtaining informed consent.

- a. Research investigators are responsible for obtaining informed consent in accordance with 45 CFR 46.116, and for insuring that no human subject will be involved in the research prior to the obtaining of the consent.
 - b. Unless otherwise authorized by the UCPHS, research investigators are responsible for insuring that legally effective informed consent shall:
 - (1) be obtained from the subject or the subject's legally authorized representative;
 - (2) be in language understandable to the subject or the representative;
 - (3) be obtained under circumstances that offer the subject or the representative sufficient opportunity to consider whether the subject should or should not participate; and
 - (4) not include exculpatory language through which the subject or the representative is made to waive or appear to waive any of the subject's legal rights, or releases or appears to release the research investigator, the sponsor, the institution or its agents from liability for negligence.
9. Providing basic elements of informed consent.
Unless otherwise authorized by the UCPHS, research investigators at a minimum shall provide the following information to each subject:
- (1) a statement that the study involves research, an explanation of the purposes of the research and the expected duration of the subject's participation, a description of the procedures to be followed, and identification of any procedures which are experimental;
 - (2) a description of any reasonably foreseeable risks or discomforts to the subject;
 - (3) a description of any benefits to the subject or to others which may reasonably be expected from the research;
 - (4) a disclosure of appropriate alternative procedures or courses

- of treatment, if any, that might be advantageous to the subject;
- (5) a statement describing the extent, if any, to which confidentiality of records identifying the subject will be maintained;
 - (6) for research involving more than minimal risk, an explanation as to whether any compensation and an explanation as to whether any medical treatments are available if injury occurs and, if so, what they consist of, or where further information may be obtained;
 - (7) an explanation of whom to contact for answers to pertinent questions about research and research subjects' rights, and whom to contact in the event of a research-related injury to the subject; and
 - (8) a statement that participation is voluntary, refusal to participate will involve no penalty or loss of benefits to which the subject is otherwise entitled, and the subject may discontinue participation at any time without penalty or loss of benefits to which the subject is otherwise entitled.
10. Providing additional elements of informed consent. When appropriate, the research investigator shall provide one or more of the following additional elements of information to each subject:
- (1) a statement that the particular treatment or procedure may involve risks to the subject (or to the embryo or fetus, if the subject is or may become pregnant) which are currently unforeseeable;
 - (2) anticipated circumstances under which the subject's participation may be terminated by the research investigator without regard to the subject's consent;
 - (3) any additional costs to the subject that may result from participating in the research;
 - (4) the consequences of a subject's decision to withdraw from the research and procedures by the subject;
 - (5) a statement that significant new findings developed during the course of the research which may relate to the subject's willingness to continue participation will be provided to the subject; and
 - (6) the approximate number of subjects involved in the study.
11. Documentation of informed consent.
- a. Research investigators shall be responsible for insuring that informed consent is documented by the use of a written consent form approved by the UCPHS and signed by the subject or the subject's legally authorized representative, unless this requirement is specifically waived by the UCPHS.
 - b. Research investigators shall insure that each person signing the consent form is given a copy of that form.
 - c. Research investigators may use a consent form which is either:
 - (1) a written consent document that embodies the elements of informed consent required by 45 CFR 46.116. This form may be read to the subject or the subject's legally authorized representative, but in any event, the research investigator shall give either the subject or the representative adequate opportunity to read the form before signing it, or;
 - (2) a "short form" written consent document stating that the elements of informed consent required by 45 CFR 46.116 have been presented orally to the subject or the subject's legally authorized representative. When the "short form" is used, research investigators shall insure that:
 - (a) a witness is present at the oral presentation,
 - (b) the short form is signed by the subject or the representative,
 - (c) the witness signs both the short form and a copy of the written summary of the oral presentation,
 - (d) the person obtaining consent signs a copy of the summary,
 - (e) a copy of both the short form and summary is given to the subject or the representative, and
 - (f) the written summary of what is to be said to the subject or the representative receives the prior approval of the UCPHS.
12. Retention of signed consent documents.
- a. Research investigators are responsible for transmitting the consent documents signed by human research subjects to the OAS-DRSP for the permanent record.
 - b. In some instances, the anonymity of subjects may be compromised if it be known to other than the Principal Investigator that the subject is participating in a research project. In such instances, all signed informed consent documents will be retained in UCPHS records in a sealed envelope. The seal will not be broken without the consent of the Principal Investigator and the iden-

tity of the subject will not be disclosed except with the consent of the subject or his or her legally authorized representative; or as it may be necessary for the Secretary of HHS (or any other officer or employee of the Department of HHS to whom authority has been delegated) to carry out his or her responsibilities regarding human subjects.

13. Submission of progress reports on the research.

Research investigators are responsible for reporting the progress of the research to the OAS-DRSP, as often as and in the manner prescribed by the UCPHS but no less than once per year.

14. Submission of injury reports and reports of unanticipated problems involving risks.

- a. Research investigators are responsible for reporting promptly through their department heads to the OAS-DRSP any injuries to human subjects.
- b. Research investigators are responsible for reporting promptly through their department heads to the OAS-DRSP, unanticipated problems which involve risks to the human research subjects or others.

15. Reporting changes in the research.

- a. Research investigators are responsible for reporting promptly through their department heads to the OAS-DRSP proposed changes in a research activity.
- b. Changes in research during the period for which UCPHS approval has already been given, shall not be initiated by research investigators without UCPHS review and approval, except where necessary to eliminate apparent immediate hazards to the subject.

16. Reporting of noncompliance.

Research investigators and department heads are responsible for reporting promptly to the OAS-DRSP and the UCPHS any serious or continuing noncompliance with the requirements of this assurance or the determinations of the UCPHS.

17. Attending UCPHS meetings.

To facilitate the review of research and the protection of the rights and welfare of human subjects, research investigators, and department heads are encouraged to attend UCPHS meetings when invited by the UCPHS.

18. Notifying the OAS-DRSP concerning investigational new drugs.

The research investigators shall be responsible for notifying the Food and Drug Administration (FDA) and the OAS-DRSP whenever it is anticipated that an investigational new drug or device exemption will be required.

(to be continued in next issue)

information circulars

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

social sciences

The Gerontological Society of America Research Fellowship Program

No. FY84-304

Program:

This program annually places twelve gerontological researchers in agency and corporation settings to conduct research projects having immediate utility for administrative planning and policy formulation. The program is for a three-month, full-time period, beginning in June, with a stipend of \$5,000. Applicants are accepted from the behavioral and social sciences, and particularly the health sciences. Eligible candidates should have a doctorate or equivalent degree. The theme of the 1984 program is long-term care of the elderly and related health issues, i.e., sheltered living, adult day care, nutrition sites, community mental health centers, HMO, and long-term care complexes.

Deadline:

February 13, 1984

For Further Information Contact:

The Gerontological Society of America
Brian Hofland, Ph.D.
Program Director
1411 K Street, NW, Suite 300
Washington, DC 20005
(202) 393-1411

(From 1983 ARIS)

science

American Cancer Society Faculty Research Awards

No. FY84-297

Program:

Grants (including a stipend that varies with the salary scale of the institution and the experience of the candidate, travel expenses, and an institutional allowance of up to \$1,000 per year, for up to five years) for scientists qualified to pursue careers in cancer teaching and research, and for whom the institution expects to provide a continuing faculty appointment.

Deadline:

March 1 and October 1, 1984

For Further Information Contact:

American Cancer Society
Personnel Research Grants
Dr. Louis Muschel
x433
777 Third Avenue
New York, NY 10017

(From 1983 ARIS)

**American Cancer Society
Junior Faculty Research Awards**

No. FY84-298

Program:

Grants to institutions within the U.S. and its territories to provide salaries for promising scientists who have recently completed their postdoctoral training and for whom the institution will provide a staff or faculty appointment to teach and conduct independent research.

Deadline:

March 1 and October 1, 1984

For Further Information Contact:

American Cancer Society
Personnel Research Grants
Dr. Louis Muschel
x433
777 Third Avenue
New York, NY 10017

(From 1983 ARIS)

**American Cancer Society
Postdoctoral Fellowships**

No. FY84-296

Program:

One- to two-year fellowships (\$15,000 per year plus travel expenses and an institutional allowance of \$1,000 per year) for young investigators to obtain training sufficient to begin careers as independent investigators in cancer research.

Deadline:

March 1 and October 1, 1984

For Further Information Contact:

American Cancer Society
Personnel Research Grants
Dr. Louis Muschel
x433
777 Third Avenue
New York, NY 10017

(From 1983 ARIS)

**American Cancer Society
Research Professorships**

No. FY84-299

Program:

Grants are offered to assist in creating faculty or equivalent positions on a full-time basis for investigators who have made outstanding contributions pertinent to cancer research. Institutions of higher learning in the U.S. and its territories are eligible to nominate investigators who must be or have declared intention to become U.S. citizens, have at least five years experience beyond the doctoral degree, and have research experience and interest in the basic biological sciences and/or clinical research. The grant will provide salary to the research professor not to exceed two-thirds of the basic salary for an indeterminate period subject to review every five years.

Deadline:

March 1, 1984

For Further Information Contact:

American Cancer Society
Personnel Research Grants
Dr. Louis Muschel
x433
777 Third Avenue
New York, NY 10017

(From 1983 ARIS)

**American Cancer Society
Scholars in Cancer Research**

No. FY84-295

Program:

Personnel grants (varying, commensurate with candidate's experience and salary, plus one round-trip travel allowance, and \$1,000 institutional support) to enable established investigators to undertake special training or acquire experience in a scientific field different from, but related to, their usual fields of research. Candidates must be nominated by institutions of higher learning in the U.S. or its territories, and must have a faculty-type position to which to return upon completion of the one-year grant.

Deadline:

March 1* and October 1, 1984

For Further Information Contact:

American Cancer Society
Personnel Research Grants
Dr. Louis Muschel
x433
777 Third Avenue
New York, NY 10017

*Interested individuals must contact the ACS directly for guidelines and application forms. The activation date for all awards with a March 1 deadline date is January 1.

(From 1983 ARIS)

**The Anna Fuller Fund*
Postdoctoral Fellowships**

No. FY84-300

Program:

Fellowships are generally awarded to the host institution for two years in the amount of \$15,000 for the first year and \$15,500 for the second year, with an allowance for travel to the institution and \$1,000 per year for research support. The applicant must have had no more than two years of previous post-doctoral training and not be at the preferred host institution at the time awards are made.

Deadline:

February 1, 1984

For Further Information Contact:

The Anna Fuller Fund
Office of Scientific Advisor
333 Cedar Street
P.O. Box 3333
New Haven, CT 06510
(203) 785-2621

*The Fund awards for research as to the cause, treatment, and care of cancer and the education of the public as to its prevention and treatment. Application forms and further information can be obtained from the Fund.

(From 1983 ARIS)

**The Anna Fuller Fund*
Research Grants**

No. FY84-301

Program:

A maximum of \$10,000 is awarded to young investigators who have demonstrated their ability in research and who are establishing new and independent laboratories.

Deadline:

February 1, 1984

For Further Information Contact:

The Anna Fuller Fund
Office of Scientific Advisor
333 Cedar Street
P.O. Box 3333
New Haven, CT 06510
(203) 785-2621

*The Fund awards for research as to the cause, treatment, and care of cancer and the education of the public as to its prevention and treatment. Application forms and further information can be obtained from the Fund.

(From 1983 ARIS)

**Ruth Estrin Goldberg Memorial
for Cancer Research
Research Grants**

No. FY84-305

Program:

An award of \$10,000 to \$15,000 is given to a research scientist affiliated with an accredited institution for one year of support with possibility of renewal. Application forms and guidelines are available from the Memorial.

Deadline:

February 28, 1984

For Further Information Contact:

Ruth Estrin Goldberg Memorial For
Cancer Research
P. O. Box 194
Springfield, NJ 07081

(From 1983 ARIS)

**Juvenile Diabetes Foundation International
Research Grants**

No. FY84-306

Program:

Grants are awarded to support research projects in the field of diabetes. Funds are available for salary for technical assistance, supplies, animals, equipment, and travel. The award is for two years with the second year based upon a non-competitive progress report.

Deadline:

March 1, 1984

For Further Information Contact:

Juvenile Diabetes Foundation
International
Grant Administrator
23 East 26th Street
New York, NY 10010
(212) 889-7575

(From 1983 ARIS)

Lady Tata Memorial Trust Leukemia Research Grants

No. FY84-311

Program:

Awards to biomedical researchers of all nationalities for a maximum of three years to develop knowledge about leukemia in areas of leukemic viruses, epidemiology, immunology, and pathogenesis, in particular. Awards have been between 3,000 and 10,000 pounds dependent upon seniority, qualifications, and experience.

Deadline:

March 1, 1984

For Further Information Contact:

Lady Tata Memorial Trust
The Secretary, Scientific Advisory
Committee
MRC Leukemia Unit
Royal Postgraduate Medical School
Du Cane Road
London W12 0HS
England
01-743-2030, Ext. 512

(From 1983 ARIS)

NASA Space Biology Program

No. FY84-313

Program:

Unsolicited proposals may be submitted for up to three years of work in the continuing ground-based research and flight opportunities of the Space Biology Program. The objectives of the Program are to: use the unique characteristics of the space environment, particularly microgravity, as a tool to advance knowledge in the biological sciences; understand how gravity has shaped and affected life on earth; and understand how the space environment affects both plant and animal species. The research in the Space Biology Program is divided into three broad areas: 1) Gravity receptor mechanisms; 2) Physiological effects of gravity; and 3) Role of gravity in development.

Deadline:

August 1, 1984

For Further Information Contact:

NASA
Life Sciences Division
Dr. Thora W. Halstead
Code EBT-3
Washington, DC 20546
(202) 755-3114

(From 1983 ARIS)

NIH - NCI Development of Cell Lines Producing Lymphokines and Cytokines

No. FY84-285

Program:

The Division of Cancer Treatment is seeking applications for research grants concerned with the development of cell lines producing lymphokines and cytokines with therapeutic effects as biological response modifiers.

Deadline:

March 1, July 1 and November 1, 1984

For Further Information Contact:

NIH - NCI
Dr. Cedric W. Long
Program Director for Pre-Clinical
Trials, BRB, BRMP
Building 426, Room 1
Frederick Cancer Research Facility
Frederick, MD 21701
(301) 695-1098

(From 1983 ARIS)

NIH - NCI Determination of the Therapeutic Usefulness of Purified Cytokines and Anti-Cytokine Monoclonal Antibodies in Cancer Models

No. FY84-286

Program:

The NCI, Division of Cancer Treatment, wishes to expand its support of research on cytokines (lymphokines, monokines, growth factors, etc.) and in determining the potential for using these factors in the treatment of cancer. The Biological Response Modifiers Program is seeking applications for research grants concerned with the modes of action of purified cytokines in ways that will be relevant to determination of therapeutic potential through the augmentation or regulation of certain components of the immune response or through direct effects on certain types of malignant cells or on supportive tissue of tumors.

Deadline:

March 1, July 1 and November 1, 1984

For Further Information Contact:

NIH - NCI
Dr. Gary B. Thurman
Program Director for Molecular
Immunology, BRB, BRMP
Building 426, Room 1
Frederick Cancer Research Facility
Frederick, MD 21701
(301) 695-1098

(From 1983 ARIS)

NIH - NCI
Use of Tumor-associated Antigens
as Immunogens

No. FY84-284

Program:

The Division of Cancer Treatment is seeking applications for research grants concerned with the development of methods of immunization that evoke effective in vivo anti-tumor immunity using purified tumor associated antigens as immunogens. Preference will be given to non-viral tumor associated antigens on recently derived spontaneous or chemically induced fully syngeneic tumors although consideration will be given to viral coded tumor antigens and even normal cell surface alloantigens as model antigens.

Deadline:

March 1, July 1 and November 1, 1984

For Further Information Contact:

NIH - NCI
Dr. Cedric W. Long
Program Director for Pre-Clinical
Trials, BRB, BRMP
Building 426, Room 1
Frederick Cancer Research Facility
Frederick, MD 21701
(301) 695-1098

(From 1983 ARIS)

NIH - National Heart, Lung,
and Blood Institute (NHLBI)
RFA - Hemorrhologic Contributions
to Thrombosis

No. FY84-287

Program:

This program will support research directed toward understanding the effects of blood flow both on hemostatic reactions involving soluble plasma proteins and cell surfaces and receptors, including polymerization reactions, and on the development and dissolution of arterial and venous thrombi.

Deadline:

February 15, 1984*

For Further Information Contact:

NIH - National Heart, Lung, and
Blood Institute (NHLBI)
Dr. Anne P. Ball
Federal Building, Room 5A12
7550 Wisconsin Avenue
Bethesda, MD 20205
(301) 496-5911

*A Letter of Intent is requested by January 15, 1984.

(From 1983 ARIS)

NIH - NIA
Genetics, Molecular and Cellular
Biology Programs

No. FY84-288

Program:

Grant-supported research is sought by the Molecular and Cellular Biology Branch emphasizing the use of mammalian and human models in the following areas: 1) Molecular Biology - Studies on the mechanisms of aging at the molecular level using state-of-art approaches such as a recombinant DNA technology and monoclonal antibodies for microanalysis. 2) Genetics and Cellular Aging - Studies on the mechanisms of cellular aging, utilizing the technologies of cell culture, somatic-cell genetics, cell and tissue transplantation, chimeric and genetic-mosaic biology. 3) Genetics and Comparative Aging - Studies on mechanisms of senescence and longevity in plants, prokaryotes, invertebrates and mammals. 4) Genetic and Cellular Resources - Research currently supported by grants includes research on cell lineage and population characteristics of human diploid cells in culture; the establishment, isolation, and characterization of new cell model systems; and the training of post-doctoral scientists in the technologies of tissue-specific cell line development.

Deadline:

March 1, July 1 and November 1, 1984

For Further Information Contact:

NIH - NIA
Biomedical Research and Clinical
Medicine
Molecular and Cellular Biology Branch
Richard L. Sprott, Ph.D.,
Chief or
DeWitt G. Hazzard, Ph.D., Head
Cellular Biology Program
Building 31, Room 5C15
Bethesda, MD 20205
(301) 496-6402

(From 1983 ARIS)

NIH - National Institute of
Environmental Health Sciences
New Investigator Research Award (NIRA)

No. FY84-289

Program:

The NIEHS wishes to continue to encourage new investigators interested in the broad area of environmental health sciences to submit grant applications in the area of biomedical research on the effects of chemical, physical, and biological environmental agents on man's health and well-being.

Deadline:
March 1, July 1 and November 1, 1984

For Further Information Contact:

NIH - National Institute of
Environmental Health Sciences
Extramural Program
Scientific Programs Branch
Regular Research Programs Section
Dr. Edward Gardner, Jr.
Program Director
P. O. Box 12233
Research Triangle Park, NC 27709

(From 1983 ARIS)

**National Science Foundation
Science in Developing Countries**

No. FY84-294

Program:

This program makes small grants (\$20,000 or less) that are primarily directed toward improving the scientific infrastructure of developing countries. The following categories of awards are made to U.S. institutions which sponsor SDC projects:

- Research Participation Grants
- Conference Grants
- Dissertation Improvement Grants

Contact the following people at the address below:

Sub-Saharan Africa, Mr. Robert Bell, (202) 357-9550

South and West Asia, Dr. Osman Shinaishin, (202) 357-9402

East Asia, Dr. Gordon Heibert, (202) 357-9537

Latin American and Caribbean, Ms. Christine French, (202) 357-9563

Deadline:
March 1* and September 1, 1984

For Further Information Contact:

National Science Foundation
Directorate for Scientific, Technological
and International Affairs
Division of International Programs
Room 1208
1800 G Street, NW
Washington, DC 20550

*Although proposals for these programs may be submitted at any time, proposals received after this target date will miss a panel meeting.

(From 1983 ARIS)

**National Science Foundation
Unsolicited Research Proposals
Division of Physiology, Cellular and
Molecular Biology**

No. FY84-291

Program:

Grants are available for research that is directed toward a better understanding of how organisms regulate their metabolic and physiological activities, reproduce, grow and age and, physical and chemical terms, how these life processes occur at the molecular, subcellular and organismal levels. Programs are offered in the following areas:

- Biochemistry Program, Contact: Dr. Mary Kirtley, (202) 357-7945
- Biophysics Program, Contact: Dr. Kin-Ping Wong, (202) 357-7777
- Genetic Biology Program, Contact: Dr. Philip Harriman, (202) 357-9687
- Cellular Physiology Program, Contact: Dr. Judith Willis, (202) 357-7377
- Cell Biology Program, Contact: Dr. Wallace LeSturgeon, (202) 357-7474
- Developmental Biology Program, Contact: Dr. Bruce Umminger, (202) 357-7975

Deadline:
February 1, and July 2, 1984

For Further Information Contact:

National Science Foundation
Directorate for Biological Behavioral
and Social Sciences
Division of Physiology, Cellular and
Molecular Biology
James H. Brown
Acting Division Director
Room 325
1800 G Street, NW
Washington, DC 20550
(202) 357-9400

(From 1983 ARIS)

**National Science Foundation
U.S. - India International Travel Support**

No. FY84-292

Program:

Scientists of both the U.S. and India are eligible for travel support to attend an international scientific meeting, engage in research or other scientific activities, or reach final agreement with cooperating scientists on details of cooperating activities which NSF will be requested to finance.

Deadline:
March 1, June 1, September 1 and December 1, 1984

For Further Information Contact:

National Science Foundation
Directorate for Scientific, Technological
and International Affairs
Division of International Programs
Africa and Asia Section
Dr. Jean Johnson or
Dr. Osman Shinaishin
Room 1208
1800 G Street, NW
Washington, DC 20550
(202) 357-9402

(From 1983 ARIS)

**National Science Foundation
U.S. - Pakistan International Travel Support**

No. FY84-293

Program:

Scientists of both the U.S. and Pakistan are eligible for travel support to attend an international scientific meeting, engage in research or other scientific activities, or reach final agreement with cooperating scientists on details of cooperating activities which NSF will be requested to finance.

Deadline:

March 1, June 1, September 1 and December 1, 1984

For Further Information Contact:

National Science Foundation
Directorate for Scientific, Technological
and International Affairs
Division of International Programs
Africa and Asia Section
Dr. Jean Johnson or
Dr. Osman Shinaishin
Room 1208
1800 G Street, NW
Washington, DC 20550
(202) 357-9402

(From 1983 ARIS)

**Sigma Delta Epsilon
Graduate Women in Science, Inc.
Grants-in-Aid**

No. FY84-309

Program:

Awards of \$750 for one year are available on a competitive basis to women who hold a degree; given evidence of outstanding ability and promise in one of the mathematical, physical or biological sciences; and are currently involved in research or have an approved research proposal. Special consideration will be given to applicants 35 years of age or older.

Deadline:

February 1, 1984

For Further Information Contact:

Sigma Delta Epsilon Graduate Women
in Science, Inc.
9650 Rockville Pike
Bethesda, MD 20814

(From 1983 ARIS)

**Sigma Xi - The Scientific Research Society
Grants-in-Aid of Research**

No. FY84-310

Program:

Research grants up to a maximum of \$1,000 are available to individual recipients to support scientific investigation in any field, with priority given to applicants who are in the early stages of their careers. Application forms may be obtained from Sigma Xi Headquarters.

Deadline:

February 1, May 1 and November 1, 1984

For Further Information Contact:

Sigma Xi - The Scientific Research
Society
M. Patricia Morse, Ph.D.
Chairperson
Committee on Grants-in-Aid of Research
345 Whitney Avenue
New Haven, CT 06511
(203) 624-9883 or
(800) 243-6534

(From 1983 ARIS)

general

**German Academic Exchange Service
Research Grants**

No. FY84-302

Program:

Ph.D. candidates pursuing dissertation research or recent Ph.D.'s (up to two years after degree) may spend two to six months in Germany doing dissertation or postdoctoral research during calendar year 1984. A monthly maintenance allowance is available, no international travel.

Deadline:

January 31, 1983, March 31 and October 31, 1984

For Further Information Contact:

German Academic Exchange Service
DAAD Programs
535 Fifth Avenue, Suite 1107
New York, NY 10017
(212) 599-0464

(From 1983 ARIS)

**German Academic Exchange Service
Study Visits - Research Grants for Faculty**

No. FY84-303

Program:

Visits are available to those with at least two years teaching and/or research experience after the Ph.D., or equivalent, to do research projects in Germany lasting up to three months during calendar year 1984. Monthly maintenance allowance and travel in Germany is allowable, but no international travel.

Deadline:

January 31, 1984

For Further Information Contact:

German Academic Exchange Service
DAAD Programs
535 Fifth Avenue, Suite 1107
New York, NY 10017
(212) 599-0464

(From 1983 ARIS)

**Massachusetts Institute of Technology
Study Fellowships for Scientists and Engineers
in Science, Technology and Society**

No. FY84-307

Program:

Several one-year study fellowships are available to persons who have an outstanding record of performance in a particular field of engineering, science, or medicine and who wish to pursue further advanced studies on the relationship of science, technology, and society. Study at M.I.T. may be undertaken in the fields of science, technology, and public policy; social and historical studies of science and technology; technology and the political economy of industrial societies; and cultural dimensions of science and technology. It is desirable that applicants have a Ph.D. or equivalent in science or engineering. Partial or full stipend is available, normally not to exceed \$25,000, and to be based on current salary.

Deadline:

February 1, 1984

For Further Information Contact:

Massachusetts Institute of Technology
Mellon Fellowship Committee
Professor Leon Trilling
Chairman
STS Program,
E51-128
Cambridge, MA 02139
(617) 253-4092

(From 1983 ARIS)

**National Science Foundation
Unsolicited Research Proposals, Division of
Behavioral and Neural Sciences**

No. FY84-290

Program:

Grants are made for research on behavior and nervous systems in their simplest and most complex manifestations and on the biological, psychological, and cultural mechanisms underlying behavior. The programs support fundamental research on nervous systems and human and animal behavior. Programs of interest to the biomedical community are offered in the following areas:

- Neurobiology Program, Deadline: August 1, 1984, Contact: Dr. Nathaniel Pitts, Program Director, (202) 357-7471.
- Sensory Physiology and Perception Program, Deadline: March 1* and September 1, 1984, Contact: Dr. James Larimer, Program Director, (202) 357-7428.
- Memory and Cognitive Processes Program, Deadline: February 1 and August 1, 1984, Contact: Dr. Joseph Young, Program Director, (202) 357-9898.
- Social and Developmental Psychology Program, Deadline: July 1, 1984, Contact: Dr. Jean Intermaggio, Acting Program Director, (202) 357-9485.
- Psychobiology Program, Deadline: August 1, 1984, Contact: Dr. Fred Stollnitz, Program Director, (202) 357-7949.

For Further Information Contact:

National Science Foundation
Directorate for Biological Behavioral
and Social Sciences
Division of Behavioral and Neural Science
Richard Louttit
Division Director
Room 320
1800 G Street, NW
Washington, DC 20550

*Although proposals for these programs may be submitted at any time, proposals received after this target date will miss a panel meeting.

(From 1983 ARIS)

Rotary Foundation of Rotary International Scholarships for International Understanding

No. FY84-308

Program:

Awards to enable study abroad, not necessarily toward a degree, in any country which has a Rotary Club. Candidates must have outstanding academic (and, where required, professional) backgrounds and must also be potential "ambassadors of goodwill" of high quality. Applicants should have a good working knowledge of the language of the country to which they want to travel. Awards cover round-trip air fare, books, room and board, and tuition. Application should be made through the Rotary Club nearest the place where the applicant lives or studies. Rotarians and their relatives by blood or marriage are ineligible. Awards include:

- Undergraduate Scholarships: Scholarships for study in any field. Applicants must have completed two or more years of study toward the BA; be between the ages of 18 and 24, unless an applicant has done military service, in which case the upper age limit is waived; and be unmarried.

- Graduate Scholarships: Scholarships for study in any field. Applicants must be between the ages of 18 and 28 unless the military service waiver applies and must hold a BA. Candidates may be married.

- Teachers of the Handicapped Scholarships: Scholarships for study of improved instructional techniques for teaching the mentally, physically or educationally handicapped. Applicants must be between the ages of 21 through 50, have at least a secondary education and have been employed full-time teaching the handicapped for at least two years. Candidates may be married.

- Vocational Scholarships: Scholarships for the acquisition or improvement of vocational or professional knowledge, skills, processes and techniques. Candidates may be married and must be between the ages of 21 through 50, have completed at least a secondary education, and have been engaged or employed in the proposed vocation or profession for at least two years.

Deadline:

March 1, 1984

For Further Information Contact:

Rotary Foundation of Rotary
International
1600 Ridge Avenue
Evanston, IL 60201
(312) 328-0100

(From 1983 ARIS)

Woods Hole Oceanographic Institution Research Fellowships in Marine Policy and Ocean Management

No. FY84-312

Program:

The Woods Hole Oceanographic Institution offers fellowships to individuals in Social Sciences, Law, or Natural Sciences to apply their training to problems that involve the use of the oceans. Present themes in the program include marine policy problems and opportunities in developing countries, policy and management issues concerning fisheries, marine minerals, and coastal zone use, implications of the Law of the Sea Treaty for ocean activities, Arctic and Antarctic resources issues, and use of scientific information in decision making and policy planning. Other research topics may also be appropriate. Applicants must have completed a doctoral level degree or possess equivalent professional qualifications. Recent doctorates will receive a stipend of \$22,600 for a period of one year and are eligible for group health insurance. Modest research and travel funds will be made available.

Deadline:

March 1, 1984

For Further Information Contact:

Dean of Graduate Studies
Education Office, Clark Laboratory
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543
(617) 548-1400

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. 1983. The Architectural Achievement of Solon Spencer Beman 1853-1914. An Exhibition Catalog Published in Conjunction With the Chicago Photography of Harold Nelson. Muskegon Museum of Art, Muskegon, Michigan. 12 pp.

Economics

Bonello, Frank J.

W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. Evaluating the Availability, Role and Performance of Subcontractors in the

Aerospace Industry. Wright-Patterson Air Force Base, Ohio. 235 pp.

W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. The Make or Buy Decision--Its Nature and Impact. Proceedings: 1983 Federal Acquisition Research Symposium, Department of Air Force, Virginia. December:185-187.

W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. Increasing the Contractor/Subcontractor/Vendor Bidding Lists. Proceedings: 1983 Federal Acquisition Research Symposium, Department of Air Force, Virginia. December:529-532.

Craypo, Charles

W.I. Davisson and C. Craypo. 1983. Plant Shutdown, Collective Bargaining and Job and Employment Experiences of Displaced Brewery Workers. Labor Studies Journal 7(3):195-215.

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W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. Evaluating the Availability, Role and Performance of Subcontractors in the Aerospace Industry. Wright-Patterson Air Force Base, Ohio. 235 pp.

W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. The Make or Buy Decision--Its Nature and Impact. Proceedings: 1983 Federal Acquisition Research Symposium, Department of Air Force, Virginia. December:185-187.

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English

Matthias, John E.

J.E. Matthias. 1983. Robert Duncan and David Jones: Some Affinities. Ironwood 22:140-157.

Rauch, Rufus W.

R.W. Rauch. 1983. Chesterton at Notre Dame. Pages 1-6 in, R.W. Rauch, ed., A Chesterton Celebration. University of Notre Dame Press, Notre Dame - London.

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Schirmer, Gregory A.

G.A. Schirmer. 1983. Review of D. Davie's, Collected Poems 1970-1983. Christian Science Monitor December 2:B1.

G.A. Schirmer. 1983. Review of F. Kermode's, The Art of Telling: Essays on Fiction. Los Angeles Times December 8(5):46.

History

Shapiro, Samuel

S. Shapiro. 1983. Argentine's Ready for the Poorhouse - With Full Stomachs. South Bend Tribune. December 5, 1983.

Modern and Classical Languages

Anadón, José

J. Anadón. 1983. La novela colonial de Barrenechea y Albis (Siglo XVII). Santiago: Editorial Universitaria, Sociedad de Bibliófilos, Seminario de Filología Hispanica. 208 pp.

J. Anadón. 1983. Entrevista a Carlos Fuentes (1980). Revista Iberoamericana 123-124 and 621-630. Reprinted in Sin Nombre, 13(2):24-34.

J. Anadón. 1983. Entrevista a Arturo Azuela. Hispamerica 11(33):61-78.

Music

Cramer, Craig J.

C.J. Cramer. 1983. Solo Recital. Organ Dedicatory Recital, St. John's Episcopal Church, Elkhart, Indiana.

C.J. Cramer. 1983. Solo Recital. Faculty Recital, Sacred Heart Church, University of Notre Dame, Notre Dame, Indiana.

C.J. Cramer. 1983. Solo Recital. First Presbyterian Church, Kalamazoo, Michigan.

C.J. Cramer. 1983. Solo Recital. Hamline University, St. Paul, Minnesota.

C.J. Cramer. 1983. Solo Recital. Forest Park United Methodist Church, Fort Wayne, Indiana.

C.J. Cramer and G.L. Walton. 1983. Music of Johannes Brahms in honor of the 150th year of the composer's birth. The Notre Dame Chorale, Sacred Heart Church, University of Notre Dame, Notre Dame, Indiana.

C.L. Cramer and R. Hawkins. 1983. Recital, Organ Music based on chorales by Martin Luther. Notre Dame Luther Conference, Sacred Heart Church, University of Notre Dame, Notre Dame, Indiana.

Klugherz, Laura J.

L.J. Klugherz. 1983. Notre Dame Trio Recital. 1983. Works by Turnna, Joseph Hayden, and Johannes Brahms. Annenberg Auditorium, Snite Museum of Art, University of Notre Dame, Notre Dame, Indiana.

L.J. Klugherz and W. Cerny. 1983. Mozart Sonata No. 1 K. 301; Johannes Brahms Sonate No. 3, Opus 109; Maurice Ravel Sonate for violin and piano; Xavier Montsalvatge's, Parafrasis Concertante, a serial work for violin and piano. Faculty Violin Recital, Annenberg Auditorium, University of Notre Dame, Notre Dame, Indiana.

Stam, Carl L.

C.L. Stam. 1983. Conductor. Music of Johannes Brahms in honor of the 150th year of the composer's birth. The Notre Dame Chorale, Sacred Heart Church, University of Notre Dame, Notre Dame, Indiana.

Walton, Gail L.

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Program of Liberal Studies

Ferguson, Linda C.

- L.C. Ferguson. 1983. Tape Composition: An Art Form in Search of its Metaphysics. The Journal of Aesthetics and Art Criticism 1052(1):17-27.

- L.C. Ferguson. 1983. Program Notes. South Bend Symphony Orchestra Association Concert. November 12:15-23.

Goddu, Andre L.

- A.L. Goddu. 1983. Lutheran Responses to the Copernican Reformation. The CPC Consort 1982-1983:12-15.

- A.L. Goddu. 1983. A Realist Interpretation of the Hypothetical Reasoning of the Middle Ages - A Tentative Proposal. Proceedings Seventh International Congress of Logic, Methodology and Philosophy of Science 6:81-84.

Psychology

Arndt, Stephan

- S. Arndt. 1983. 1983 Multiple Group Factor Analysis. The American Statistician 37(4)Part 1:326.

Sociology

Weigert, Andrew J.

- A.J. Weigert. 1983. Life and Society: A Meditation on the Social Thought of Jose Ortega y Gasset. Irvington, New York. v + 234 pp.

Theology

White, James F.

- J.F. White. 1983. Services to Commemorate the Bicentennial of American Methodism, 1784-1984. Methodist Bicentennial 1784-1984 Plan Book. United Methodist Publishing House, Nashville. Pages 14-26.

COLLEGE OF SCIENCE

Biology

Bender, Harvey A.

- H.A. Bender. 1983. Patient Information Storage/Retrieval Survey. American Journal of Medical Genetics 16:441-443.

Grimstad, Paul R.

- P.R. Grimstad. 1983. Mosquitoes and the Incidence of Encephalitis. Volume 28, pages 357-438 in, M.A. Lauffer and K. Maramorosch, eds., Advances in Virus Research. Academic Press, New York, New York.

Munstermann, Leonard E.

- L.E. Munstermann and N.D. Levine. 1983. Ascogregarina geniculati Sp. N. (Protozoa, Apicomplexa) from the Mosquito Aedes geniculatus. Journal of Parasitology 69(4):769-772.

Chemistry

Basu, Manju

- J.W. Kyle, M. Basu and S.C. Basu. 1983. Characterization of Glycolipid:galactosyltransferase Activities from Embryonic Chicken Brain. Federation Proceedings 42:2020.

- M. Basu, H.-C. Chon, T. Brown and S.C. Basu. 1983. Biosynthesis in vitro of N-acetylglucosamine-containing core of II-gangliosides. Proceedings 7th of the International Glycoconjugate. Page 772.

Basu, Subhash C.

- J.W. Kyle, M. Basu and S.C. Basu. 1983. Characterization of Glycolipid:galactosyltransferase Activities from Embryonic Chicken Brain. Federation Proceedings 42:2020.

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Castellino, Francis J.

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Hayes, Robert G.

- D.S. Becker and R.G. Hayes. 1983. Complexation of Zinc Tetraphenylporphyrin by Adsorbed Poly(4-vinylpyridine): Equilibrium Studies. Inorganic Chemistry 22:3050-3053.

Mozumder, Asokendu

- *J.A. LaVerne and A. Mozumder. 1983. Penetration of Low-Energy Electrons in Water. Radiation Research 96:219-234.

Patterson, Larry K.

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Schuler, Robert H.

- *G. Foldiak and R.H. Schuler. 1983. On the Reaction Mechanism of Scavenged Hydrocarbon Radiolysis. Zeitschrift fuer Naturforsch 38a:1154-1155.

*Under the Radiation Laboratory

Mathematics

Kolettis, George

- G. Kolettis. 1983. Abelian Group Theory and p-maps. Lecture Notes in Mathematics, Springer-Verlag Proceedings of the Honolulu Conference. Page 1006.

Physics

Funk, Jr., Emerson G.

- A. Chaudhury, E.G. Funk, Jr., R. Kaczarowski, J.W. Mihelich, A.G. Schmidt and U. Garg. 1983. RDM Measurements for Bands in ^{121}Xe and ^{121}Cs . Bulletin of the American Physical Society 28:976.
- R. Kaczarowski, A. Chaudhury, E.G. Funk, Jr., J.W. Michelich, D. Frekers, R.V.F. Janssens, U. Garg and T.L. Khoo. 1983. RDM Measurements for High Spin States in ^{181}Ir and ^{180}Os . Bulletin of the American Physical Society 28:989.
- Garg, Umesh
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- Y.-W. Lui, J.D. Bronson, U. Garg and D.H. Youngblood. 1983. Giant Monopole Resonance in ^{28}Si . Bulletin of the American Physical Society 28:965.
- A. Chaudhury, E.G. Funk, Jr., R. Kaczarowski, J.W. Mihelich, A.G. Schmidt and U. Garg. 1983. RDM Measurements for Bands in ^{121}Xe and ^{121}Cs . Bulletin of the American Physical Society 28:976.
- R.K. Chaudhury, M.N. Namboodiri, L. Adler, J.D. Bronson, P. Gonthier, K. Hagel, D. Haenni, U. Garg, Y.-W. Lui, G. Mouchaty, T. Murakami, J.B. Natowitz, R.P. Schmitt, S. Simon, J.P. Sullivan and D.H. Youngblood. 1983. Angular Momentum Transfer in the Reactions of ^{16}O with ^{90}Zr . Bulletin of the American Physical Society 28:974.
- H. Dejbakshi, D.R. Haenni, G. Mouchaty, R.P. Schmitt and U. Garg. 1983. In-Beam γ -Ray Spectroscopy of Neutron-Rich Nuclei in the A-100 Region. Bulletin of the American Physical Society 28:976.
- R. Kaczarowski, A. Chaudhury, E.G. Funk, Jr., J.W. Michelich, D. Frekers, R.V.F. Janssens, U. Garg and T.L. Khoo. 1983. RDM Measurements for High Spin States in ^{181}Ir and ^{180}Os . Bulletin of the American Physical Society 28:989.
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- R. Kaczarowski, A. Chaudhury, E.G. Funk, Jr., J.W. Michelich, D. Frekers, R.V.F.

Janssens, U. Garg and T.L. Khoo. 1983. RDM Measurements for High Spin States in ^{181}Ir and ^{180}Os . Bulletin of the American Physical Society 28:989.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Daschbach, Jr., James M.

- W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. Evaluating the Availability, Role and Performance of Subcontractors in the Aerospace Industry. Wright-Patterson Air Force Base, Ohio. 235 pp.
- W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. The Make or Buy Decision--Its Nature and Impact. Proceedings: 1983 Federal Acquisition Research Symposium, Department of Air Force, Virginia. December:185-187.
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COLLEGE OF BUSINESS ADMINISTRATION

Accountancy

Beverly, John G.

- W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. Evaluating the Availability, Role and Performance of Subcontractors in the Aerospace Industry. Wright-Patterson Air Force Base, Ohio. 235 pp.
- W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. The Make or Buy Decision--Its Nature and Impact. Proceedings: 1983 Federal Acquisition Research Symposium, Department of Air Force, Virginia. December:185-187.
- W.I. Davisson, J.G. Beverly, F.J. Bonello and J.M. Daschbach, Jr. 1983. Increasing the Contractor/Subcontractor/Vendor Bidding Lists. Proceedings: 1983 Federal Acquisition Research Symposium, Department of Air Force, Virginia. December:529-532.
- Williamson, Robert W.
- P.E. Hemmeter, B.P. Keating, R.A. Spencer and R.W. Williamson. 1983. Integrating the Microcomputer into the Business School Curriculum. Proceedings of the 15th Annual Meetings, American Institute for Decision Science 1:250-254.

Finance and Business Economics

Keating, Barry P.

- P.E. Hemmeter, B.P. Keating, R.A. Spencer and R.W. Williamson. 1983. Integrating the Microcomputer into the Business

School Curriculum. Proceedings of the 15th Annual Meetings, American Institute for Decision Science 1:250-254.

Lanser, Howard P.

H.P. Lanser. 1983. Valuation, Gains from Leverage, and the Weighted Average Cost of Capital as a Cutoff Rate. The Engineering Economist 29(1):1-12.

Management

Hemmeter, Paul E.

P.E. Hemmeter, B.P. Keating, R.A. Spencer and R.W. Williamson. 1983. Integrating the Microcomputer into the Business School Curriculum. Proceedings of the 15th Annual Meetings, American Institute for Decision Science 1:250-254.

Williams, CSC, Oliver F.

O.F. Williams, CSC. 1983. Religion: The Spirit of the Enemy of Capitalism. Business Horizons. November-December 6-13.

Marketing Management

Weber, John A.

J.A. Weber. 1983. International Market Structure Profile Analysis: A Systematic Approach To Assessing Growth Opportunities in the International Marketplace. Vern Terpstra (1983), International Marketing (Third Edition). Dryden Press. Pages 571-587.

LAW SCHOOL

Crutchfield, Charles F.

C.F. Crutchfield. 1983. Professional Degrees and Spousal Rights. Case and Comment 88(6):14-23.

C.F. Crutchfield. 1983. Problems and Cases on Family Law. Course Material for Family Law. 189 pp.

RADIATION LABORATORY

Kilp, Toomas

T. Wismontski-Knittel and T. Kilp. 1983. Studies on the Role of Peroxy and Hydroperoxy Groups in Polymer Photo-degradation. Journal of Polymer Science: Polymer Chemistry Edition 21:3209-3223.

LaVerne, Jay A.

J.A. LaVerne and A. Mozumder. 1983. Penetration of Low-Energy Electrons in Water. Radiation Research 96:219-234.

MEDIEVAL INSTITUTE

McInerny, Ralph M.

R.M. McInerny. 1983. The Nature of Book Delta of the 'Metaphysics' According to the Commentary of Saint Thomas Aquinas. Pages 331-343 in, L.P. Gerson, ed., Graceful Reason. Pontifical Institute of Mediaeval Studies, Toronto.

awards received

IN THE MONTH OF DECEMBER, 1983

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
American Studies	Belanger, Krier, Jensen	Translation of the Written Word into Images on Film	Pallottine Ctr., Apostolic Causes	10,000 6
Chemistry	Fehlner	Carbon-Rich Metallacycles	Amer. Chem. Soc.	35,000 24
College Eng.	Zeller	Surface Analysis Studies	Vought Corp.	20,000 12
Chemistry	Plouhar, Bretthauer	Glycoprotein Synthesis in the Lung	Parker B. Francis Fdn.	81,000 36
Microbiology	Kulpa	Pilot Plant Studies	Occidental Chemical Corp.	21,666 12
Physics	Livingston	Spectroscopy of Highly-ionized Atoms	Natl. Sci. Fdn.	124,919 12
Biology	Carpenter	Cascading Trophic Interactions in Lake Ecosystems	Univ. Wisconsin Madison	76,147 12
Lobund Lab.	Pollard, Castellino	Research and Services for American Biogenetic Sciences, Inc.	Amer. Biogenetic Sci., Inc.	10,000 60
Microbiology	Clancy	Gene Expression During Sporulation in Yeast	Natl. Sci. Fdn.	65,000 12

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
AWARDS FOR FACILITIES AND EQUIPMENT				
Physics	Garg, Funk, Kolata, Mihelich	BGO Detector Systems - Phase I	Dept. Energy	200,475 18
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	---	28,469 --
Inst. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy	---	417 --
Inst. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy-Publications	---	280 --
Architecture	Bellalta, Bellalta, Wesley	Environment and Art in Catholic Worship 1978	St. Stanislaus Kostka Church	1,472 2

proposals submitted

IN THE MONTH OF DECEMBER, 1983

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
PROPOSALS FOR RESEARCH				
Physics	Browne, Darden, Funk, Garg, Kolata, Mihelich	Nuclear Structure Research	Natl. Sci. Fdn.	515,790 12
Electrical Eng.	Sain, Antsaklis	Design of Multivariable Control Systems	Natl. Sci. Fdn.	321,688 36
Chemical Eng.	Wolf	Photoassisted Catalyzed Dissocia- tion of Water by Visible Light	Natl. Sci. Fdn.	129,188 24
Cent. Study Man	Biddick	The Malthusian Model of Medieval Agrarian Crisis, 1. Cattle	Natl. Sci. Fdn.	85,167 14
Chemistry	Lappin	Stereoselectivity in Electron Transfer	Natl. Sci. Fdn.	324,817 36
Chemical Eng.	Carberry	Catalytic Oxidation	Environ. Prot. Agency	67,737 12
Civil Eng.	Theis	The Management of IWERC Programs	Environ. Prot. Agency	20,431 12
Civil Eng.	Theis	Reaction Pathways of Sorbed Species	Environ. Prot. Agency	60,935 12
Physics	Ruggiero	Synthetic Metal Superlattices	Natl. Sci. Fdn.	321,133 36
Chemical Eng.	Schmitz	Thermal Imaging for Studies of Catalytic Reaction Dynamics	Natl. Sci. Fdn.	50,300 12
Biology	Fraser	The Isolation of Host Range and Temperature Resistance Genes	Dept. Agriculture	216,971 36
Chemical Eng.	Wolf	Catalytic Liquefaction of Coal with Supercritical Solvents	Electric Power Res. Inst., Inc.	30,000 8
Chemistry	Basu, Basu	Ii-Glycolipid Biosynthesis in Lymphomas	Natl. Inst. Health	52,325 12
Biology	Fuchs, Kang	Reproductive Physiology of Aedes Mosquitoes	Natl. Inst. Health	204,364 12
Biology	Goetz	Histology Chinook Samples	Wisc. Dept. Natl. Resources	9,185 3.5

Department or Office	Principal	Short title	Sponsor	Dollars Months
Advanced Studies	Gordon	Biomedical Research Support Grant for 1984-85	Natl. Inst. Health	-- 12
College Science	Poirier	Research in Elementary Particle Physics	Natl. Sci. Fdn.	212,331 12

PROPOSALS FOR FACILITIES AND EQUIPMENT

Electrical Eng.	Kwor, Kwong	A Spreading Resistance Probe	Dept. Air Force	66,949 24
Chemical Eng.	Wolf	Transient MS-FTIR of Catalytic Reaction	Natl. Sci. Fdn.	60,450 12
Physics	Livingston	A Position Sensitive Microchannel Array Detector	Dept. Air Force	153,000 12
College Eng.	Zeller	DoD-URIP-ESCA	Dept. Air Force	235,835 24
Physics	Ruchti	High Resolution Imaging and Analysis System	Dept. Air Force	328,810 12
Metallurgical Eng.	Miller, Allen, Blackstead, Dow	EXAFS Studies in Materials	Dept. Air Force	225,425 12
Chemical Eng.	Varma	Mass Spectrometer for Catalytic Reaction Engineering Research	Natl. Sci. Fdn.	48,500 12

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Cent. Study Man	Samora	Graduate and Professional Fellowships for Hispanics	Dept. Education	182,280 12
College Science	Cushing, McMullin	Physics and Philosophy	Lilly Endow., Inc.	7,750 3
College Arts Letters	Arnold, Howard	Honors Social Science	Lilly Endow., Inc.	7,750 3
Anthropology	Press	Clinical Anthropology	Lilly Endow., Inc.	7,750 3

summary of awards received and proposals submitted

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	146,585	7	297,147	9	443,732
Facilities and Equipment	0	0	1	200,475	1	200,475
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	4	30,638	4	30,638
Other Programs	0	0	0	0	0	0
Total	2	146,585	12	528,260	14	674,845

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	9	1,517,052	8	1,105,310	17	2,622,362
Facilities and Equipment	0	0	7	1,118,969	7	1,118,969
Instructional Programs	1	182,280	3	23,250	4	205,530
Service Programs	0	0	0	0	0	0
Other Programs	0	0	0	0	0	0
Total	10	1,699,332	18	2,247,529	28	3,946,861

notre dame report

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