

# notre dame report

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# the university

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## biotechnology venture underway here

A new biotechnology venture has begun at the University with seed money from Alfred J. Roach, chairman of the board of TII Industries, Inc., Copiague, N.Y. American Biogenetic Sciences, Inc., has been established with laboratory facilities located adjacent to the Reyniers Germfree Life Building at the northern edge of the campus.

Dr. Morris Pollard, director of the University's Lobund Laboratory and president of the company, said separate laboratories and new personnel have been assembled for the research efforts. Because of an agreement allowing the University to accrue benefits from any patents or licenses that might result from the company's work, Pollard said Roach's funding is the first at Notre Dame to support research, its overhead costs and eventually provide a means of self-support.

The company's first priority is the development of a therapeutic agent as a result of basic research that has been conducted at Notre Dame for several years. Substances now being studied for potential human use are tissue plasminogen activators, a naturally occurring class of enzymes in the body's tissues that dissolve blood clots without evidence of damage to the patient. Another facet of the company's work is focusing upon metastasis, the mechanism by which cancerous tumors spread in the body.

## trustee named

Terrence R. Keeley, a 1981 Notre Dame graduate and a financial analyst for Paine Webber and Company, Inc., in New York City, has been elected a trustee of the University. Keeley, who received an Overseas Research Fellowship to Oxford University in 1982, earned his master's degree in literature there this year and is now pursuing a doctorate in philosophy from the English university. He is a former administrative assistant to Director of the Office of Management and Budget David A. Stockman and a research consultant to President Reagan's Council of Economic Advisors. Keeley is also a member of the National Association of Business Economists and an economic consultant to OXFAM, an international relief organization.

## gift to fund research facility

A \$1-million gift from the Freimann Charitable Trust of Fort Wayne, Ind., will go toward a University biological research facility to be named in honor of Frank M. Freimann, the former chief executive officer and president of the Magnavox Corp. who died in 1968.

A pioneer in the electronics industry, Freimann served for many years on the University's Advisory Council for Science and Engineering. He donated a major gift toward construction of Notre Dame's Memorial Library in 1962, the same year in which he received an honorary degree from the University. Two endowed professorships at Notre Dame bear his name, one in the Department of Electrical Engineering and the other in the Department of Physics.

The facility, an addition to the Galvin Life Science Center, will be completed next spring.

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## **herrick chair in international business**

The Ray W. and Kenneth G. Herrick Chair in International Business has been established at the University by a Michigan family with business interests in the air conditioning industry and philanthropic interests in education, hospitals and health and welfare agencies.

The Herrick Chair in International Business is underwritten by the Herrick Foundation of Detroit in honor of its founder, the late Ray W. Herrick and his son, Kenneth G. Herrick. Ray W. Herrick founded the Tecumseh Products Co., Tecumseh, Mich., in 1934 and established the Herrick Foundation in 1949. Kenneth Herrick currently serves as chairman of the board and chief executive officer of Tecumseh Products Co., a manufacturer of small engines and compressors for the air conditioning industry. His son, Todd W. Herrick, is a 1967 graduate of Notre Dame who serves as President of Tecumseh Products Co.

It is the intent of a search committee to fill the chair by the fall of 1985.

## **first dooley award presented**

A Minneapolis graduate of the University of Notre Dame, who spent four years working with refugees and displaced persons in the Far East, will receive the first Dr. Thomas Dooley Award of the Alumni Association. Michael B. Bowler, now an admissions officer at the University of Minnesota, will be honored at a January 18, 1985, meeting of the Alumni Board.

The Dooley Award was established last year by the association to honor a recent Notre Dame graduate displaying humanitarian concerns and service to fellow citizens of the world, the same as that exhibited by the young University alumnus when he established medical stations in Laos. Only persons graduating in the last ten years are nominated for the award.

## **international student enrollment up**

Enrollment of international students at the University increased 9% this semester while nationally the growth rate has been declining since 1980. There are 375 graduate and undergraduate students from 64 foreign countries attending classes this semester; 256 are graduate students and 119 are undergraduates. India again leads all foreign countries in the number of students with 52 in attendance, plus 13 from neighboring Pakistan and five from Bangladesh. There are 23 students from the Peoples Republic of China on campus and 21 from Taiwan, Republic of China. Others represent several Central and South American countries and several European nations, including Poland and Yugoslavia.

# faculty notes

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## honors

Astrik L. Gabriel, director of the Folsom Ambrosiana Microfilm and Photographic Collection, has been made an honorary member of the Academy of Sciences in his native Hungary. The presentation was made recently in Budapest by the Academy's president, Dr. John Szentagathay, professor of anatomy at the University of Budapest. Dr. Gabriel, professor emeritus in the Medieval Institute, is also a corresponding member of the French and Bavarian Academies of Sciences and a fellow of the Medieval Academy of America.

John W. Lucey, associate professor of aerospace and mechanical engineering, was elected a director of Sigma Xi, The Scientific Research Society, at the society's annual meeting in Chicago Oct. 22. At the meeting, Rev. Theodore M. Hesburgh, C.S.C., President of the University, was initiated as the fourth honorary member of Sigma Xi for his many contributions to science.

Anthony N. Michel, professor and chairman of electrical engineering, has been reappointed to the IEEE Control Systems Science and Engineering Field Awards Committee.

John F. Santos, director of the Center for Gerontological Education, Research and Service, and professor of psychology, has been appointed to the Aging Review Committee of the National Institute on Aging of the National Institute of Health in Bethesda, Md. His tenure on the committee will continue through June of 1988.

Thomas J. Schlereth, professor of American Studies, has been appointed as a consulting editor to the UMI Research Press at the University of Michigan. Schlereth will be responsible for the Press publications in American material culture research.

Bernard S. Wostmann, professor of microbiology, Lobund Laboratory, received the AALAS Research Award for the best publication of 1983 at the annual convention of the American Association for Laboratory Animal Science in Cincinnati Oct. 29 - Nov. 2. His report was titled "Dietary Intake, Energy Metabolism and Excretory Losses of Adult Male Germfree Wistar Rats," co-authored by Dr. Wostmann, Carolyn Larkin, Ann Moriarty and Edith Bruckner-Kardoss.

## activities

Thomas P. Bergin, dean of continuing education and professor of management, co-chaired the International Council of Fine Arts Deans' conference in Amsterdam, Holland, Oct. 21-27. The conference was focused upon "New Directions in the Arts," and 18 countries were represented.

Rev. David B. Burrell, C.S.C., professor of philosophy, participated in a symposium on "The Nature of Religious Belief," responding to William Alsten's "Is Religious Belief Rational?" held at Marquette University, Milwaukee, Wis., Oct. 5-6. He also presented a paper on "Aristotle and Avicenna on Essence and Existence" at a conference on "Aristotle and Islamic Philosophy" in honor of Joseph Owen, Baruch College of the City University of New York, Oct. 27.

Kevin J. Christiano, assistant professor of sociology, delivered a paper titled "Popular Literacy and Urban Religious Diversity: An Analysis of U.S. Census Data from the Turn of the Century" at the Ninth Annual Meeting of the Social Science History Association at the Ontario Institute for Studies in Education, Toronto, Canada, Oct. 26.

Sr. Regina A. Coll, C.S.J., associate field education director in theology, gave a presentation titled "Challenging Dominant Symbols by Reclaiming Them" at the Plenary Session of the Association of Professors and Researchers in Religious Education held in Chicago Oct. 27.

Theodore J. Crovello, professor of biology, presented a seminar titled "Quantitative Biogeography" at Fordham University Oct. 29. He also presented a seminar entitled "Computers in Bioeducation" at the University of Maryland, College Park, Oct. 30. He presented a keynote lecture titled "Computers in Biological Education" at the annual meeting of the National Association of Biology Teachers held recently in West Lafayette, Ind.

James T. Cushing, professor of physics, delivered a paper titled "The Convergence and Content of Scientific Opinion" at the biennial meeting of the Philosophy of Science Association, Chicago, Ill., Oct. 20. He also has edited a book with Cornelius F. Delaney, professor of philosophy, and Gary M. Gutting, professor of philosophy, titled "Science and Reality: Essays in Honor of Ernan McMullin" (Univeristy of Notre Dame Press, 1984).

Fred R. Dallmayr, Dee professor of government and international studies, served as chairman of a panel on "Michel Foucault: Theoretical, Methodological, and Topical Issues" as well as general program chairman at the annual meeting of the Society for Phenomenology and the Human Sciences, Atlanta, Ga., Oct. 18-21. He also served as discussant to Niklas Luhmann at a conference on "The State in Contemporary European Thought" at Ohio State University, Columbus, Nov. 2-3.

Anne Carson Daly, assistant professor of English, gave an invited lecture entitled "Real Presence and Real Absence in the Life and Autobiography of John Stuart Mill: The Case of the Secular Sacramentalist" at the Mid-Western Convention of Christianity and Literature at Bowling Green (Ohio) State University Oct. 26.

Leo A. Despres, professor of anthropology, presented a seminar at the University of Brasilia Sept. 26 based on his research on urbanization, industrialization, and the formation of working class culture in Manaus, Brazil. He conducted a research seminar on the same subject Oct. 1 at the Center for the Study of Contemporary Culture in Sao Paulo.

Keith J. Egan, adjunct professor of theology, gave an address titled "Prayer and Ministry Shaped by the Holy Spirit" to the Midwest region of the Sisters of the Congregation of the Holy Cross Sept. 30. He also participated in the semi-annual meeting of the Carmelite Forum, Washington, D.C., Oct. 19-21.

Pamela Falkenberg, visiting assistant professor of communication and theatre, delivered a paper, "Steele Behind, Steele Ahead, Steele Fantasy: Retrospective Narration as Prospective Narrative Strategy in the Self-conscious Sexual Problematic of Remington Steele," at the 1984-85 Ohio University Film Conference, Athens, Oct. 25-27.

Josephine Massyngbaerde Ford, professor of theology, gave a lecture titled "Shalom in the Johannine Corpus" at a conference on "Shalom" (Peace) given by Pittsburgh Theological Seminary Oct. 12-13.

Moirra Marti Geoffrion, associate professor of art, art history and design, was invited to curate the exhibition titled "16 Chicago Sculptors" at Northeastern University Gallery, Evanston, Ill. The exhibit runs from Nov. 6 through Dec. 14. She also was invited to do an installation of "Winters' Mists Are Upon Us" (Sculpture 6'x8'x2') and to include two bronze sculptures and two drawings in the "16 Chicago Sculptors" exhibition.

Philip Gleason, professor of history, was one of three principal speakers at a symposium entitled "Bishops and Historians in Dialogue," held at St. Mary's Seminary, Baltimore, Md., Nov. 9-11 to mark the centenary of the Third Plenary Council of Baltimore. His presentation was titled "Baltimore III and Education."

Denis Goulet, O'Neill professor of education for justice, and in the Kellogg Institute, made a presentation titled "Latin American Liberation Theology: Its View of Violence" to the Conference on Terrorism and Religion: Threats and Responses, at the State University of New York, Albany, Oct. 23.

N.C. Huang, professor of aerospace and mechanical engineering, presented an invited lecture at a workshop on Breaking Process of Ice Plates at Massachusetts Institute of Technology, Cambridge, Oct. 31 - Nov. 1. The title of his lecture was "Compression Fracture of Ice Plate Bonded to a Surface."

Edward W. Jerger, professor of aerospace and mechanical engineering, was the guest speaker at the 64th national convention of Pi Tau Sigma, mechanical engineering honorary fraternity, held at Ohio State University, Columbus, Nov. 10. His talk was entitled "Engineering, Values, Politics and Society." Dr. Jerger is a past president of the national Pi Tau Sigma.

Rev. C. Lincoln Johnson, associate professor of sociology and director of the Social Science Training Lab, presented a paper at the annual meetings of the Society for the Scientific Study of Religion entitled "Correlates of Social Concerns Involvement on a Catholic Campus: Suggestions for a Research Agenda" in Chicago, Ill., Oct. 28.

James W. Kamman, assistant professor of aerospace and mechanical engineering, presented a paper titled "Modelling of Submerged Cable Dynamics" at a symposium on Advances and Trends in Structures and Dynamics, sponsored by George Washington University and NASA, Arlington, Va., Oct. 22-24.

Marjorie Schreiber Kinsey, assistant professor of art, art history and design, gave a paper, "Legros and Images of Popular Religious Practice in Nineteenth Century France" at the 48th annual meeting of the Mid-America College Art Association, Cleveland, Ohio, Oct. 24-26.

Douglas W. Kmiec, professor of law and director of the Thomas J. White Center on Law and Government, recently presented the keynote address titled "Delivering Housing Opportunities to the Least Advantaged," Oct. 11 at the Richmond, Va., conference on affordable housing.

Rev. Robert A. Krieg, C.S.C., assistant professor of theology, participated in a colloquium, "Catholic Theology in Germany in the Nineteenth Century," held at Notre Dame Nov. 3 and 4. He also served as homilist at the Mass for the Inauguration of the John S. Marten Program at the University Nov. 14.

Stephen R. Lundeen, associate professor of physics, presented a paper on "Fast Beam Measurement of High L Fine Structure in Helium Rydberg States" at the annual meeting of the American Physical Society, Division of Electron and Atomic Physics, Storrs, Conn., May 30 - June 1. He also presented papers entitled, "Observation of High-L Rydberg States of Molecular Hydrogen in a Fast Beam," and "Measurement of High Angular Momentum Fine-Structure in Helium: An Experimental Test of Long-Range Electromagnetic Forces" at the Ninth International Conference on Atomic Physics, Seattle, Wash., July 23-27, and presented a colloquium on "The Search for Casimir Forces in Atomic Helium" to the department of physics at Western Michigan University, Kalamazoo, Oct. 30.

John E. Matthias, professor of English, gave poetry readings in Belgrade, Yugoslavia, at the 20th International Writers' Meeting, Oct. 16; at the American Center (U.S. Embassy), Oct. 17, and at the Center for Foreign Languages, Oct. 19.

Rev. John A. Melloh, S.M., associate specialist in theology and coordinator of the John S. Marten Program in Homiletics and Liturgics, participated in the final judging of a liturgical art exhibit in Chicago, sponsored by Liturgy Training Programs, Archdiocesan Office of Worship. He also was an invited participant at a meeting sponsored by the National Federation of Priests' Councils for professors of homiletics in Roman Catholic schools, held Sept. 18-21 at Catholic Theological Union in Chicago. He made three major presentations at a workshop for priests of the Shreveport-Alexandria diocese titled "Leading the Assembly in Common Prayer," Sept. 27, and four major presentations at a workshop titled "The Assembly: Coming Alive in Christ," also for the Shreveport-Alexandria diocese, Sept. 28-30. He gave a presentation on "Preaching during the Advent-Christmas Cycle" for the diocese of Youngstown Oct. 26, and presented the keynote address, "Liturgy and Catechesis" for the annual Diocesan Catechetical Convention at Hiram (Ohio) College, Oct. 27. He also offered a focus session titled "Preparing the Advent-Christmas Cycle" at that convention.

James L. Melsa, professor of electrical engineering, has been named a member of the IEEE Simon Ramo Medal Committee for 1983 and 1984. He organized a technical session on "Applications of Digital Signal Processing" and presented a tutorial paper in Monterey, Cal., Nov. 5-7, and presented a paper on "Multichannel Applications of Digital Signal Processing Chips" at the 1984 MIDCON Convention, Dallas, Tex. Dr. Melsa was also on the Professional Program Committee for that conference. He presented a short course on "Digital Signal Processing" at the Notre Dame Center for Continuing Education, Nov. 6-9.

Thomas J. Mueller, professor of aerospace and mechanical engineering, presented a seminar titled "Performance of Airfoils at Low Reynolds Numbers," at the department of aerospace engineering, Auburn (Ala.) University, Oct. 24.

Leonard E. Munstermann, assistant faculty fellow in biology, gave an invited address titled "Interpretation of Results and Methods of Working with Electrophoresis in Developing Countries" to the Mosquito Field Studies Coordination Meeting of the U.S. National Research Council, Board on Science and Technology for International Development. The meeting was held at the University of Panama, Aug. 27-30. He spent the next six weeks (Sept. 1-Oct. 15) in residence at Gorgas Memorial Laboratory in Panama working on a project titled "Genetics of *Sabethes* mosquitoes" involving field work in the tropical forest canopy at sites near Lago Bayano, in the Darien (Porto Lara) and at Chiriqui Grande (Bocas del Toro Province). The project was a joint effort of the Notre Dame Vector Biology Laboratory, the Istituto di Biologia Generale (Cagliari, Italy) and Gorgas Memorial Laboratory. He also conducted a

departmental seminar on "Biochemical Genetics in Mosquito Systematics" at the Florida Medical Entomology Laboratory, University of Florida, Vero Beach, Oct. 19.

David Norburn, Franklin D. Schurz professor in strategic management, presented a paper, "Boardroom Reform: An International Perspective," at the Fourth International Conference of the Strategic Management Society, Philadelphia, Pa., Oct. 12.

Maria Rosa Olivera-Williams, assistant professor of modern and classical languages, received a scholarship to participate in the School of Criticism and Theory, June 25 - Aug. 2. She delivered a paper titled "Bakhtin's Heteroglossia" at Northwestern University, Evanston, Ill., July 23.

Larry K. Patterson, assistant director and faculty fellow in the Radiation Laboratory, presented a paper titled "The Lipid Peroxidation Model for Halogenated Hydrocarbon Toxicity: Kinetics of Peroxyl Radical Processes Involving Fatty Acids and FE(III) Porphyrins" at the Great Lakes Workshop on Oxygen Radicals in Medicine and Biology, East Lansing, Mich., Nov. 1.

Teresa Godwin Phelps, assistant professor of law, presented a paper entitled "The Criminal-Hero in Contemporary Fiction" at the annual meeting of the American Society of Criminology in Cincinnati, Ohio, Nov. 11.

Rev. Niels K. Rasmussen, O.P., assistant professor of theology, gave an invited lecture, "The Liturgy in Italy in the 16th Century," at the Institute of Sacred Music, Yale Divinity School, Nov. 28.

Kenneth F. Ripple, professor of law, discussed the constitutionality of shared time arrangements in elementary schools in a radio interview on CBS-FM, New York, Oct. 26.

Eugene Rochberg-Halton, assistant professor of sociology and anthropology, presented an invited paper, "The City as Living Memory," at the American Academy of Arts and Sciences Workshop on "The Meanings of the City," Wingspread Conference Center, Racine, Wis., Oct. 28. He also presented a paper, "The Fetishism of Signs," at the Semiotic Society of America annual meeting, Bloomington, Ind., Oct. 12.

Mark Searle, associate professor of theology, gave presentations on "Conversion" and "Liturgy and Social Justice" to the Archdiocesan Faith Gathering, Minneapolis, Minn., Nov. 5-6, and a talk titled "Baptism and the Imagination" to the United Religious Community of St. Joseph County, South Bend, Nov. 13.

Janet E. Smith, assistant professor in the program of liberal studies, gave a talk on "Counseling the Woman with a Problem Pregnancy" for the St. Joseph County Right to Life New Members Meeting, South Bend, Ind., Oct. 23.

Donald Sniegowski, associate professor English, was an invited participant at the annual conference of the Indiana Committee for the Humanities, Indianapolis, Ind., Oct. 26-27.

Rev. Xavier Tilliette, S.J., John A. O'Brien visiting professor of theology, gave the following lectures Oct. 22-24 at the Université Laval, Quebec: "Schelling et l'Absolu," "Schelling et Tillich," and "La christologie des philosophes." He also spoke Oct. 25 at Concordia University in Montreal on "The Absolute in Schelling's Philosophy."

Albion M. Urdank, adjunct assistant professor of history, delivered a paper to the Social Science History Association Annual Meeting in Toronto, Canada Oct. 26-28. The paper was titled "English Nonconformity in the Demographic Transition: The Case of a Gloucestershire Parish, Horsley-with-Nailsworth, 1775-1838." The paper was delivered as part of a panel on "Religion and Social Change in Comparative Perspective."

Don Vogl, associate professor of art, art history and design, gave an exhibition of acrylic paintings in a one-man show Nov. 11 - Dec. 6 at the Northern Indiana Art Association, Munster, Ind. His works titled "Phoenix" (acrylic) and "Natural Bridge - Utah" (watercolor) were included in the Sixth Elkhart Juried Regional Exhibition at the Midwest Museum of American Art, Elkhart, Ind., Oct. 19 - Dec. 2.

Edward D. Walker, postdoctoral research associate in biology, presented a talk on "Sampling, Surveillance, and Larvicide Evaluations for *Coquillettia perturbans* in St. Joseph County, Indiana" at the Ohio Mosquito Control Association meeting held at Westlake, Ohio, Oct. 17 and 18. He also presented the same talk to the Illinois Mosquito Control Association meeting held in Springfield, Ill., Oct. 24 and 25.

John P. Welle, assistant professor of modern and classical languages, presented a paper, "Poets and Poetry in the Films and Screenplays of Pier Paolo Pasolini," at the Midwest Modern Language Association conference, Bloomington, Ind., Nov. 1-3.

James F. White, professor of theology, presented lectures to the Order of St. Luke, Pittsburgh, Pa., Oct. 11, and to the Methodist Theological School, Delaware, Ohio, Oct. 22. On Oct. 31 he gave the Vosburgh Lectures at Drew University, Madison, N.J.

Erhard M. Winkler, professor of earth sciences, gave an invited lecture titled "New Methods to Test the Effectiveness of Stone Consolidants" at a symposium on "Stabilization and Repair: Masonry," held in Toronto, Ontario, Canada, Sept. 22.

# documen- tation

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## final report of the foreign study programs review committee

In February, 1983, at the request of Provost Timothy O'Meara, I formed a Review Committee to assist me in examining Notre Dame's current sophomore year programs with the goal of evaluating them as viable academic contributions to undergraduate education at this institution. The members were chosen in order to assure representation from the four undergraduate colleges and the Freshman Year. The College of Arts and Letters, as the college from which most Foreign Study Program students eventually receive their degrees, had more members than the other units.

1983-84 membership included:

Calvin Bower, Music  
Mary Sue Callan, Senior, College of Arts and Letters  
Nina DeLeone, Freshman Year  
Richard Foley, Philosophy  
Yusaku Furuhashi, Business Administration  
Steven Hurtt, Architecture  
John Kozak, Science  
(Daniel Winicur, Chemistry, '82/83)  
David Ladouceur, Modern & Classical Languages  
(Monique Middleton, MODL, '82/83)  
John Madigan, Senior, College of Arts and Letters  
Claude Pomerleau, Kellogg Institute

Programs examined:

ANGERS, INNSBRUCK, TOKYO, and MEXICO

Means used:

Examination of informational materials describing  
academic, social, and cultural aspects of program;  
Interviews with former directors and students

After a series of meetings which provided the group with factual, objective, and subjective information, the complexity of the task of evaluation/review was clear; the nature and form of solution to problems was less so. Nevertheless, agreement was reached on two basic assumptions about Foreign Study Programs at Notre Dame:

- 1) Foreign Study is not only a valid, positive, undergraduate educational experience, it is a vital contribution to educational excellence which expands provincial boundaries and provides students with a global consciousness.
  - 2) The academic quality of Notre Dame's programs must be constantly monitored, evaluated, and changed as needed.
-



In addition, the committee agreed to re-affirm the current goals of the Notre Dame Foreign Study Programs:

- 1) The incorporation of an international dimension into undergraduate education through direct personal experience of another culture, and, where applicable, the development of fluency in another language
- 2) The concurrent fulfillment of regular Notre Dame period of study
- 3) Personal growth through special intellectual and emotional challenges
- 4) Enhancement of career opportunities

Recognizing that its examination of the programs was limited both because of time constraints and because of the scope of the task, the committee, nevertheless, was able to identify several important concerns. These concerns, stated in general terms, apply to all Notre Dame Programs but some relate primarily to the two oldest and largest programs, ANGERS and INNSBRUCK. The MEXICO CITY Program, newly relocated at Iberoamericana University, was seen as requiring specific attention. The TOKYO Program too has particular needs.

The following are the chief concerns identified by the committee:

- 1) While the academic quality of the programs seems adequate, it has not kept pace with the current academic goals and aspirations of Notre Dame.
- 2) The sites of our two European programs, while offering the advantages of comparable size, location and Catholic ambience of the home campus, are somewhat isolated geographically from the major European academic centers.
- 3) Lack of full integration into life either of the local university or of the local community reinforces "travel-year" mentality among Notre Dame students and results in the opinion among Notre Dame faculty that the academic experience lacks rigour.
- 4) The on-site director role currently seems to demand more in the way of social/administrative/supervisory skill than the appropriate faculty task of serving as intellectual stimulus for program and students through teaching and research.

- 5) The programs were originally conceived and still remain language-based programs, focused on single cultures and countries, providing a special linguistic and cultural familiarity for students who pursue a variety of majors at Notre Dame. In the absence of a truly multi-cultural program, the existing programs draw some students whose own goals are multi-cultural and non-language oriented. While multi-cultural goals may be no less serious in intent, they are currently at variance with the linguistic and cultural goals of the existing programs.
- 6) Accordingly, the reputation of the programs is mixed. While most students who have participated are enthusiastic, some are highly critical of both academic and cultural benefits of the experience. Unless they have become personally involved through their own children or students, Notre Dame faculty range in attitude from indifferent to uninformed, especially about the academic quality of the program.
- 7) Despite the current small number of applicants, the special characteristics of the Mexico City Program should not be overlooked: the wide range of high-quality courses at Iberoamericana University; the program's Third World location; the Social Analysis Seminar emphasizing values and development; the integration of Notre Dame students with Mexican families and students.
- 8) The Tokyo Program, which has appealed over the last sixteen years to a steady but small group of students, should be publicized more aggressively, particularly among students of the College of Business Administration.
- 9) The choice of sophomore year for programs, while offering clear advantages, presents some obstacles which limit the number and quality of the student participants.
- 10) Increasingly tight curricular structures for colleges other than Arts and Letters place additional obstacles in the way of all but the most determined students who seek an international dimension to their education. If Foreign Studies is to be feasible for all undergraduates, funding for program development must become a university priority.
- 11) A year of foreign study is an enriching element of Notre Dame's four-year academic program. However, a year abroad needs to be integrated into a larger academic experience which is complemented by further studies on the domestic campus rather than isolated merely as a unique privilege removed from "serious" academic pursuit, and one which is perceived as irrelevant to such studies as business, engineering, and science.

Each of these concerns contains its own subset of problems and even counter-arguments. Nevertheless, the committee's findings confirm the perception that it is clearly time for a close look at the programs. Current programs, despite their flaws, offer our students a good experience. Most students acknowledge the year abroad as one of the most memorable and influential in their lives. What the committee would like to see, however, is a constant upgrading and improvement of the programs so that they keep pace with the current academic goals and aspirations of the University, become more viable and earn respect among faculty and students, and thus make real the incorporation of a true international dimension into Notre Dame's undergraduate program.

Current undergraduate enrollment in Foreign Study Programs runs about 3% annually. Given their belief in the essential educational value of a foreign study experience for Notre Dame students, the committee finds this state of affairs unacceptable and offers the following recommendations in an effort to increase opportunities for greater participation through the development of more programs and curricular flexibility, and to insure high quality of Notre Dame programs.

- 1) Open current sophomore year program to juniors; explore single semester opportunities and summer programs of academic substance.
- 2) Consider the development of multi-national programs focusing on history, literature, geography and the arts as alternatives to existing programs, emphasizing single culture and language proficiency.
- 3) Encourage all colleges to provide flexibility in their curriculum and/or to explore feasible curricular alternatives which facilitate participation of their undergraduates in a foreign study experience.

- 4) Establish a fund to give financial support for program development in the area of foreign studies.
- 5) Encourage well-prepared, highly motivated students of all colleges to pursue programs of study at internationally recognized centers of learning such as Paris, Munich, and Vienna, as a possible prelude to expanding program sites.
- 6) Consider restructuring language requirements for programs with attention to quality, course variety and flexibility.
- 7) Develop options for academic and cultural follow-up to a year abroad which include the following: more language course offerings which encourage first and second majors in language; courses with international focus offered in various colleges and possibly taught in a foreign language; closer cooperation between activities of the Foreign Study Programs Office and those of other segments of the university sponsoring events of international/cultural value.
- 8) Provide for consistent monitoring of academic quality of programs: on-site director or Notre Dame visitor should periodically report on content, methodology, etc. of courses; student evaluations should include specific reference to classes; grade distribution should be noted; opportunities for enrollment of Notre Dame students in regular local university courses should be pursued.
- 9) Integrate Notre Dame students into the academic and social life of the local community in order to encourage their intercultural and intellectual experience and lessen the "ghetto" tendency.
- 10) Encourage on-site directors to focus their attention on stimulating the intellectual lives of students; clarify teaching and research expectations during their stay; provide assistance (preferably local) for accomplishing non-academic responsibilities.
- 11) Continue to give special attention to the preparation for, and follow-up to, the Mexico Program with publicity on the special characteristics of the Mexico Program (with close collaboration between the Foreign Study Programs Office, the Center for Social Concerns, and the Kellogg Institute for International Studies) and the appointment of an on-site director as soon as economically feasible.
- 12) Screen students for prospective Foreign Study Programs with special attention not only to language preparation (where applicable), good academic achievement, and personal adaptability, but also to a sense of intellectual liveliness and clear academic goals.
- 13) Improve visibility and reputation of programs by imaginative and consistent publicity prior to Freshman Year as well as through the ensuing years so that more students have repeated opportunities to consider the advantages of a Foreign Study Program.
- 14) Make efforts to involve faculty from a variety of colleges in the work of Foreign Study Programs so that the international dimension will become more fully incorporated and realized as a positive contribution to undergraduate education.

While I take full responsibility for this Report, I wish to acknowledge gratefully the substantial contributions of the committee members whose attendance at early morning meetings since February, 1983 was not only cheerful but productive. This final report has their approval and support.

Respectfully submitted,

Isabel Charles, Ph.D.  
Assistant Provost  
Director, Foreign Study Programs  
September, 1984

# minutes of the academic council meeting november 7, 1984

(1) Provost O'Meara began the meeting with a prayer.

(2) Father Hesburgh asked Professor O'Meara to continue the discussion of the proposed version of the Academic Manual.

## (3) Academic Manual Revision

(i) The Committee on the revision of the Academic Manual met a number of times since the last session of the Academic Council. As a result of these sessions, the Committee presented to the members of the Academic Council a document divided into three sections: (I) Matters substantively agreed to by the Academic Council at its previous meeting but which required further refinement in the wording. (II) Matters sent back to the Manual Committee for reconsideration and (III) New matters.

(ii) Part I - Matters substantively agreed to by the Academic Council:

- (a) Article I, Section 3/The Acting President-- agreed to without discussion.
- (b) Article I, Section 11/Director of Admissions-- agreed to without discussion.
- (c) Article IV, Section 3 (f) The University Committee on Computing--agreed to without discussion.
- (d) Article IV, Section 3 (h) The University Committee on Admissions, Scholarships and Financial Aid-- agreed to without discussion.
- (e) Article IV, Section 3(i) Faculty Board in Control of Athletics--agreed to without discussion.
- (f) Article IV, Section 4, Elections Committee and Procedures--agreed to without discussion.

(iii) Part II - Matters sent back to the Manual Committee for reconsideration:

- (a) Article II, Section 3 (a) Faculty Qualifications and Periods of Service (Associate Professor) - Professor O'Meara opened discussion of this proposed change in wording. An extensive exchange of opinion took place. Dr. Winicur asked for clarification about the relationship between scholarship and public service. Sister John Miriam Jones, S.C., wondered whether public service could be substituted for scholarship. Dean Schmitz thought that 'as shown by' could be repeated in line 13 in order to provide greater clarity. Father Burtchaell felt that, in that case, 'as shown by' would need to be repeated three times in the text. Professor Sayre thought that the phrase 'its equivalent' was sufficient. Father Hesburgh agreed that the term 'public service' might be a bit obscure. Father Burtchaell attempted to clarify what type of 'public service' was referred to. It means service on national and statewide Commissions and Boards and other such critical appointments. This is different from volunteer work in the local community. Professor Fuchs favored striking the reference to 'public service.' Father Burrell suggested that one of the key factors in making a tenure decision is whether you can work with a person. Professor Goerner was not sure whether 'public service' should be included. Professor Swartz felt that the removal of the term 'public service' would affect some departments more than others.

At this point Father Hesburgh felt that the discussion was ripe for a vote. The Academic Council voted to keep the formulation provided by the Academic Manual Revision Committee.

Despite the vote the discussion proceeded further. Professor Sayre asked Professor Gernes to formulate a motion for a revised text. When her proposal was read, Father Burtchaell protested that there was no room for an 'etc.' in such a motion. Professor Legee tried a different wording but it won no support. Dean Link offered a numerical division in a rephrasing but this did not win approval. Mr. Lohman asked for clarification of 'or its equivalent.' This was provided by Professor O'Meara. Professor Goerner opposed any formulation with 'etc.' in it. Professor Gernes then suggested new wording without the term 'etc.'. Professor Goerner asked whether a case for promotion could be made largely on 'public service.' Father Burtchaell offered the opinion that a veteran of congressional service might use this background as grounds for satisfying the criterion of 'public service.' Professor O'Meara pointed out

that it was not the intention of the Committee that public service in itself would count as scholarship, but rather that certain forms of public service were scholarly in nature and these would be given proper weight in satisfying the expectations for scholarship with regards to consideration for promotion. Father Hesburgh called for a vote on the proposal by Professor Goerner for an alternate wording for this subsection. The proposal was defeated.

Article III, Section 3 (a) was agreed to as is.

(b) Article III, Section 3 (a) Faculty Qualifications and Periods of Service (Full Professor):

Professor O'Meara opened the floor for discussion. Professor Sayre mentioned that this is a section which Appointment and Promotion Committees often consult. The way it reads now is that teaching is still expected to be good as with an Associate Professor, but scholarship is to be more distinguished. Dean Loux said that 'widespread recognition as a scholar' was intended as a positive statement. Father Burrell thought that one possibility to clarify what kind of recognition was entailed would be to restore the phrase 'field of knowledge.' Professor Roos was of the opinion that there was an imbalance in the expectation for teaching and scholarship.

This subsection was agreed to as is.

(c) Article III, Section 3 (b) (Associate Faculty Fellow):  
The Council agreed to this subsection as is.

(d) Article III, Section 3 (c) (Associate Librarian):  
The Council agreed to this subsection as is.

(e) Article III, Section 3 (e) Qualifications for Conducting Courses:

Sister John Miriam Jones, S.C., pointed out that nonregular faculty cannot teach in that capacity. Professor Leege asked whether concurrent appointments would be for a term. Professor O'Meara answered affirmatively.

This subsection was agreed to as is.

(f) Article III, Section 4 (a) Procedures for Appointment, Reappointment and Promotion (Endowed Chairs):  
This subsection was agreed to as is.

(g) Slight wording changes were approved in Article III, Section 4 (a); Article III, Section 4(b); Article III, Section 4 (c) and Article III, Section 4 (d).

(iv) New matters:

(a) Article III, Section 4 (e)- Allegations Involving Academic Freedom, Personal Bias or Procedural Error:

Professor O'Meara explained the rationale behind this subsection. Factors taken into account in its formulation were the number of cases in a typical year, the ideal size of a panel, the nature of a prima facie and the role of the Provost. Mr. Miller asked about how it applied to library faculty. The answer is that all faculties are included. Sister John Miriam Jones, S.C., sought clarification about a statute of limitations for appeals. This is not included. Father Burtchaeil felt that in situations of doubt about vested interest the Provost exercising his prudential judgment could be counted on to excuse himself.

This subsection was agreed to as is.

(b) Professor O'Meara suggested interchanging Article III, Section 11/Retirement with Article III, Section 12/Leave of Absence. This was agreed to.

(c) Article II, Section 10/Director of Continuing Education:

Dean Bergin declared that he was in favor of the new formulation of this Section. There was no further discussion.

(d) Graduate Faculty:

The Academic Manual Revision Committee recommends the elimination of the graduate faculty struck out on pp.7 and 52 of the revision. Dr. Gordon asserted that the import of such a change would mean that all faculty could serve on the Graduate Council. In voting their colleagues to such service, faculty members should keep in mind the record of research and publication of the candidates. Professor Sayre doubted that people without a Ph.D. should be involved in Ph.D. training. The response was that they will not be elected. Professor Gleason wondered why the 'graduate faculty' as a separate group were eliminated. Professor O'Meara said that membership had become perfunctory. Dean Loux commented that eliminating the distinction could have symbolic significance as a sign of progress in the quality of the faculty. Father Hesburgh thought that the times have changed and the quality of the faculty has improved. Professor Sayre was of the opinion that a junior faculty member who has just been hired may not be ready to direct dissertations and other work of the graduate faculty. Father Hesburgh felt that discretion on these matters should be left to the departments. Dean Castellino pointed out that most junior faculty hired in the College of Science come with two or three years of postdoctoral work. Dr. Gordon reminded the Council that the new rules place greater responsibility on the departments and colleges.

The elimination of a separate graduate faculty was agreed to by the Academic Council.

(e) Article III, Section 3 (d)/Special Professional Faculty:

Professor O'Meara explained that the Academic Manual Revision Committee had reviewed the proposal from the Special Professional Faculty but had decided to maintain the original working of this section. Dr. Weigert reported that there are 77 people in this faculty category. The Proposal that she had offered on behalf of the group attempted to differentiate among the various ranks of Special Professional Faculty according to defined criteria. Seventy five percent of the faculty group had voted on the proposal and only two opposed it.

This subsection was agreed to as is.

(f) Article IV, Section 3 (a) The Academic Council(Student Memberships):

Mr. Lohman presented a student proposal to maintain the present membership of students on the Academic Council. He argued that student participation on such a body is important. Professor Derwent thought a compromise might be possible where there would be five student representatives. Professor Goerner recommended that the students elect someone from each College and then decide which ones would participate in a given meeting. Father Hesburgh said that non-voters could come as observers when it was desirable. Mr. Lohman quoted from the Preamble of the Academic Manual. He interpreted this to mean that students should participate in a shared government. Because students view themselves as belonging to a specific College rather than being generic 'students,' full membership should be maintained. Ms. Finch argued in a similar way that each College is affected differently. Professor Roos did not think that the proposed change was a reduction in power. A smaller size Council could function more efficiently.

Mr. Lohman informed the Council that the students meet regularly to discuss academic matters. In the Council, students may not speak often, but they seem to be listened to. Mr. Welch felt that having only one graduate student representative was a problem. Dr. Gordon asserted that members of the Council should take a 'University' viewpoint.

Father Hesburgh called for the vote on the proposal to maintain the present level of student representation. The motion did not carry.

Father Hesburgh encouraged the student representatives to develop a procedure for electing their representatives to the Academic Council. Mr. Lohman indicated that they would submit a new procedure at a future meeting.

(g) Father Burtchae11 ruminated about the confusion caused by the terms Faculty Handbook and Academic Manual. He suggested that the new title of the document should be 'The Academic Articles.' It was agreed that this matter could be addressed at a later time.

(h) Father Hesburgh moved that the Academic Manual as revised by the Academic Council be approved. The motion won unanimous approval. Father Hesburgh then asked for a round of applause for the members of the Academic Manual Revision Committee.

(4) Master of Architecture Degree:

(i) Dr. Gordon introduced the motion by indicating that the proposal for a Master of Architecture Degree had been reviewed and approved conditionally at the 196th meeting of the Graduate Council (December 9, 1980). The condition attached was that sufficient funding be available. He continued on to explain that we are in an age of specialized masters degrees. The Master of Architecture Degree will have a research and a non-research mode. It will be within the Graduate School. The nature of the thesis determines whether it is research or non-research. Qualifications for admittance would be a Bachelor of Architecture degree plus three years of experience. There is an opportunity to do some of the study in either Rome or Chicago.

(ii) Professor Amico, the Chairman of the School of Architecture, provided an overview of the degree program. It will view the city as a matrix of civilization. The 30-hour program is divided into 12 hours of design, six hours of electives, and six hours of thesis. Design is the focus. There are three required architecture courses. With regard to electives, there are presently offerings in the departments of American Studies, Anthropology, History and Philosophy that would be appropriate.

(iii) Professor O'Meara began the discussion by clarifying the question of finances. The program would start with graduate fellowships taken from endowment dedicated to this purpose. The Fellows would then assist in teaching studio courses and relieve some of the faculty load. The program will not be implemented if \$1.2 million is not available.

Mr. Miller reminded the Council that there would be need for additional library support for the program. Professor McGlinn inquired about the size of the program. It is projected at five or six students. Professor Borkowski sought further information about the demand for the program. Professor Amico said that the available pool of those who could qualify is about 10,000 persons. Professor Leege asked about the computer needs for this type of program. Dean Schmitz said that the College of Engineering has extensive facilities for computer graphics which would be available.

Father Hesburgh then moved for a vote on the proposal that the University of Notre Dame initiate a Master of Architecture Degree. The motion won unanimous approval.

(5) The next meeting of the Academic Council will be on Monday, December 10, 1984 at 3:00 p.m. at the Center for Continuing Education.

Respectfully submitted,

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

**Addendum 1.  
Petition Regarding Student Representation on  
Academic Council**

We, as student representatives to the Academic Council, feel that the proposed cut of student representation to the Council from seven (7) to four (4) students is unrealistic in regards to the objectives of the Academic Council as expressed in the Preamble to the Academic Manual. Please consider the following:

1. Seven student representatives at a university the size of Notre Dame is the bare minimum. The application of the generic term "student" representative is not appropriate since it has been noted that student opinion strongly reflects college loyalty. In addition, the policies and regulations adopted by the Council affect each college differently.

2. It would be possible to have less than one-half of the student body represented by such representation as suggested by the revised Academic Manual. If, for example, the two undergraduate representatives were from the two smallest colleges (in number of actual students), the representation could easily dip far below that of a simple fifty percent (50%) representation.
3. The proposed cuts virtually preclude all possibility for experience, because of the phrase "rotated among."

We understand and support the Academic Council's desire to cut the overall size of the body. We, however, as members of the Academic Council, feel that the student membership now stands at the lowest possible number, and should remain thus, in order to continue beneficial Council policies and regulations for the entire Notre Dame community.

## Addendum 2.

### Excerpt from Minutes of the 196th Graduate Council Meeting, December 9, 1980

#### IV. PETITION FOR A GRADUATE PROGRAM IN THE DEPARTMENT OF ARCHITECTURE

The chairman opened the discussion with a few general observations. The proposal envisions a new degree program. Any positive action on this proposal by the Graduate Council goes forth as a recommendation to the Academic Council. The question before the Council: "Is the proposed program academically sound?" We are in an era of professional certification. Many master's programs represent opportunities for educational renewal and expansion as well as major milestones for professional certification. This trend thus brings to the Graduate School older, "non-traditional" students. Much has been said at various national meetings about programs for the non-traditional student. The program that is proposed addresses the credentialing issue and is directed, but not exclusively, toward the older student who has had practical experience in the profession of architecture.

The chairman observed that at the first reading of this proposal last May, the council raised a number of points: Which schools specifically offered a second professional degree? What kind of application pressure exists? What has been the enrollment in these programs over the last decade? How many Notre Dame undergraduates have taken a second professional degree? What specific courses are required in the program? What specific electives are to be recommended from departments other than architecture?

It was noted that data toward the answer to these several questions was provided by the department.

The chairman then opened the floor for discussion. It revolved around the following issues:

Enrollment: There is little information on enrollment trends on a national basis, but many schools have gone from 5-year to 4-and-2-year programs and there appears to be greater demand for second professional degree programs; the new program will be open to recent graduates and experienced architects and offer them the opportunity for advanced education and also the opportunity to evaluate their professional goals; architects do go back to school for an advanced degree and good stipends will help us compete with other schools for good applicants; only 5% of our graduates have earned a second professional degree; we aim at a small program (16 students according to the petition; 10 to 12 students according to some council members); nine out of twelve schools listed in the Petition (Harvard, Yale, Berkeley, UCLA, Columbia, Rice, Washington University, Pennsylvania, and Illinois at Chicago Circle are located in urban areas; the other three schools approaching the Notre Dame model (Princeton, Cornell and Illinois at Urbana-Champaign) appear to have drawn their students almost exclusively from the pool of recent graduates; the average ratio of applications to acceptances is about 4.3 to 1 in the twelve schools, but it is 9 to 1 at Princeton and Cornell; we will not encourage our graduates to continue their second degree program at Notre Dame, but we will not put a limit on this either.

Resources: The proposed budget represents the minimum required to operate a quality program; if the program is approved, new money will be needed and it would not be advisable to draw funds from existing programs to support the new program; the Dean of the College of Engineering referred to a letter to the Graduate School dated April 24, 1980 stating that "no monies were available in the College for (the) initiation (of this program)"; the



possibility that no new funds will be available should be entertained; approval of the new program should not jeopardize the chance of an increase in the number of GA slots to be made available to students in the Graduate School each year; the budget does not include transportation costs for students in the Rome program since it is assumed that these costs should normally be covered in the tuition as it is the case of other foreign programs in the University; physical space for the new program is available and funds for renovation are included in the proposed budget; the existing faculty in Rome can take on a small number of graduate students and the new faculty as projected in the petition will be used for undergraduate teaching, relieving older faculty to teach in the graduate program.

Program: Six courses are to be offered in the department, three of which will be required and three electives; two of the three required courses are Advanced Architectural Design courses of 6-credits each; a written thesis or studio thesis; the emphasis will be on the studio and tutorial experience; besides courses in the department, a list of electives offered in other departments and programs in the University was compiled; the two-track program (research and non-research) will be an unusual feature and an asset; accreditation will not be sought for the new program as flexibility for development will be preferable; graduate students will be used in creative activities and studio work rather than teaching which should be done by faculty; the experience at Harvard seems to indicate that there will not be any problem in having a mixed group of students with different levels of professional experience in the same class, as long as we have good students; there has been a moratorium on admission to the Environic Design program, but students currently enrolled in this program will be carried through their graduation.

Following this discussion, a motion by voice vote to recommend the new program for approval was carried.

(Reprinted from Notre Dame Report, Vol. 10, No. 10, pp. 321-322.)

### **Addendum 3. Summary of Proposal to Initiate a Professional Master's Degree Program in the School of Architecture \***

#### GENERAL

The School of Architecture, consisting of 18 faculty members (including six in Rome), offers a five-year undergraduate accredited program leading to the first professional degree, the Bachelor of Architecture. Additionally, the School is authorized to offer a Master of Science in Environic Studies, a program that is currently admitting no new students; the School has recommended that this program be phased out contingent upon authorization for a professional graduate degree program, that of the Master of Architecture.

Approximately 71 institutions offer the degree, Master of Architecture. Of these, 52 require a first professional degree, the Bachelor of Architecture, as a condition of admission. The envisioned program would require a Bachelor of Architecture as a prerequisite for admission.

#### THE PROGRAM

The 30 semester credit hour Master of Architecture would be offered in a research and a non-research mode. The research mode would consist of approved coursework of 24 semester credit hours plus a written thesis with oral defense and a final exhibition of design work by the candidate. The non-research mode would be similar except that a studio thesis would be substituted for the written thesis.

In either mode, up to 10 credit hours of 400-level courses would be permitted as a part of the total course requirements. The student would be permitted to take up to 15 credit hours per semester if three of those credits involve a 400-level undergraduate course. Hence, it is possible to complete the non-research program in two semesters.

The coursework envisions an interplay between history, theory and design with a range of opportunities for independent study within the scope of the discipline of architecture in its environmental context. Opportunity to study in Rome as well as Chicago will be present.

\* The Department of Architecture was redesignated the School of Architecture in 1982. See Notre Dame Report, Vol. 12, No. 10, p. 326.

The Master's program consists of three interrelated curriculum components:

- \* Advanced Architectural Design (Architecture 697 and 698)
- \* Thesis Direction in Architecture (Architecture 699), and
- \* Graduate Elective Study

The opportunities presented in the first and second curriculum components form the required core of coursework in the program, and comprise 60 percent of the total curriculum. The third curriculum component provides for a selection of courses from a range of graduate course opportunities.

Each curriculum component and its content is described as follows:

- \* Advanced Architectural Design. The first curriculum component provides a 12 semester credit hour seminar and studio course consisting of two parts. The first six-credit-hour part will focus on buildings and urban complexes, and the second six-credit-hour part will be a continuation of the content in the first part with more emphasis placed on urban complexes and settlement patterns.

General emphasis is placed on the problems of buildings, settlements, and urbanization in relation to societal needs. The city, its architecture, and architects, past and present (using Rome and Chicago settings), are used to inform existing circumstances, and provide a critical basis for creative activities in architectural theory and design. Given the Chicago setting, for instance, the depth of resources of examples of modern architecture is unparalleled in the world. Subject matter includes the World's Columbian Exposition of 1893, the "Chicago School" of architecture, the Burnham Plan for Chicago, the "Prairie Style," and the works of Jenney, Adler, Sullivan, Richardson, Burnham, Root, Wright, Holabird, Roche, Schweiker, Keck, Miles, and S.O.M.

These course opportunities will deal specifically with theory and design speculation, formalization, translation, development, and assessment. They will use specific existing conditions and a definitive product in the form of an innovative design will be required of students in these courses.

- \* Thesis Direction in Architecture. The second component is a six semester credit hour course in thesis direction in architecture. The thesis provides a formalized setting for individual student effort, under faculty direction, whereby the student proposes, justifies and tests a particular hypothesis, given a specific and approved topic in architecture within the context and focus of the master's program. A written thesis (i.e. research program) or a studio thesis (i.e., non-research program) is the byproduct of the thesis requirement.

- \* Graduate Elective Study. The third component provides a total of 12 semester credit hours to pursue elective study that will supplement and lend additional substance, uniqueness, and reinforcement for the creative activities in the above two. Although this portion of the program can be highly individualistic, a degree of concentration will be required in the selection of courses considered to be approved electives. Nine of the 12 semester credit hours of courses must bear a prescribed relationship with each other as well as being related to advanced study in architecture. For the research and the non-research master's program, two categories of University graduate courses are identified as potential elective courses for degree candidates in architecture: (1) those courses offered by disciplines other than architecture, and (2) those courses offered in the discipline of architecture.

Potential electives identified in the University include graduate-level courses in seven subject areas in the Division of Humanities, five in Social Science and the College of Business, one in Science, and two in Engineering. (These are listed in detail on pages 17-28 of the supplementary petition submitted Dec. 9, 1980, pp. 161-172 of the sequentially numbered document.)

#### PROGRAM DEMAND AND STUDENT RECRUITMENT

Currently, the development of professionally oriented master's degree programs, particularly for the older, experienced individual, is underway in a number of disciplines. The program has as a primary goal the attraction of students from among individuals who have a first professional degree from an accredited program and two to three years of professional experience and possibly registration.

A survey of 1,181 alumni of the department resulted in 524 responses. Of these, five percent (26 alumni) indicated that they had received a second professional degree, Master of Architecture. Additional information from six major programs indicates that 49% of the applicants were from individuals with professional experience. The same programs had approximately four applicants for each individual accepted.

An analysis of data provided by the Association of Collegiate Schools of Architecture suggests that the pool of potential students is quite large. The envisioned total population in the program without a significant increase in faculty or other resources is 10-20 full-time students. With the graduate teaching fellowship support on hand, it is suggested that the program will be in a position to select outstanding students.

## faculty senate journal

### october 8, 1984

Rev. David Burrell, C.S.C., called the Faculty Senate meeting to order at 7:32 p.m. in room 202 of the Center for Continuing Education. Rev. Matthew Miceli led the senate in the opening prayer.

The first order of business was the approval of the minutes of the September 10, 1984 meeting. Prof. Mario Borelli moved for their approval, and Prof. Donald Barrett seconded this action. Prof. Philip Gleason asked for a clarification on the change in Prof. David Dodge's report on the Placement Office. Then Burrell reported that he had spoken with the provost about the use of quotations in the minutes when the confidentiality could be a factor. They agreed that quotations from other meetings would not be reported. The minutes were then unanimously approved.

Burrell then reported that Prof. Karla Goold had agreed to take Prof. James Daschbach's place on the Traffic Violations Board. He then requested that the senators present nominate two senators to fill two vacancies on the Judicial Review Board. There was discussion as to who could be nominated as Prof. Jean Rosenberg reminded Burrell that these positions were open to all faculty. In the interests of time, it was agreed that the election would be restricted to senators only, and ballots would be counted at the meeting's end.

Then Burrell thanked Barrett for the work which he had done on medical benefits. Progress has been made with the sub-subcommittee of the Budget Priorities Committee. Barrett presented a set of proposals which had been developed out of his work the previous year:

1. There should be a University Medical Benefits Committee.
2. The University should provide a "wellness" program for members.
3. The University should ask two or three companies to offer plans for choices.
4. The University should welcome the formation/entrance of HMO's in our community.

Borelli made a motion to thank Barrett for his work and to accept the proposals. Capt. John Rohrbough seconded the motion. Prof. Phillip Helman suggested the clarification that the proposed committee be composed of faculty, staff, and administrators. Prof. Robert Vacca wondered if the Faculty Committee for University Libraries had served as a prototype for the committee. The committee's functions as described seemed to specify Mr. Thomas Bull's duties. Burrell commented that Bull has been put in the position of making policy rather than transmitting it. While it was clear to Vacca why faculty constitute the library committee, he questioned the faculty's expertise with regard to health benefits. Prof. Harvey Bender commented that he felt there would be an analogous competency. Prof. Irwin Press suggested the third proposal be changed to "...offer varied plans for choices." Vacca suggested the fourth proposal read "...support the formation..." The motion was unanimously passed with the few suggested changes. (See Appendix)

Burrell reported that the Faculty Affairs Committee had met and were planning fora on the junior faculty's perceptions of the reappointment process. Also that some responses to the questionnaire had been received.

After a short break, Rev. Theodore M. Hesburgh, C.S.C., was introduced by Burrell. Borelli opened the discussion commenting that while Hesburgh had spoken earlier in the day about the need for quality in graduate education, there was a need to improve undergraduate education. This would be an expensive proposition which the senate had addressed two years before in Prof. Vaughn McKim's report on financial aid. Hesburgh said that Fr. Edmund Joyce had studied the matter for the Board of Trustees, and they had mandated a tripling of the amount spent for undergraduate aid by tripling the current endowment of 35 million for that purpose. Rohrbough commented that the senate had wanted a certain amount identified as scholarship monies rather than as financial aid. Hesburgh responded that the Trustees and the Administration felt it was better to help those who needed financial aid, but that the Administration was exploring ways to get money for scholarships.

Barrett asked why the University was reluctant to establish distinguished professorships rather than endowed chairs. As Hesburgh was unfamiliar with this senate proposal, he asked Barrett to forward information on it to him.

Next Vacca and Hesburgh discussed the PACE Report with its statements about the growth of the University and Hesburgh's earlier comments. Hesburgh said: "Graduate development should help undergraduate development by 1987." However, he wanted to keep total enrollment below 10,000 because when that figure is exceeded, according to the Carnegie Commission on Education, the university becomes a different kind of school. He would hate to lose the feeling of family which Notre Dame is noted for. He expressed the challenging idea that if one wanted to expand, then one could start another university in the 500-600 acres on the other side of the lake where there is more room.

Prof. Katharina Blackstead asked Hesburgh for a status report on the administration's decision-making process with regard to the University Libraries' proposed automated system. Hesburgh commented that the proposed system had been vetted by the Assistant Provost for Computing, and the company was somewhat underfinanced. The committee responsible for the decision has gone back to the drawing board. He suggested that the provost be consulted as to what and when a decision will be made.

Burrell spoke next on faculty development saying it was a more useful rubric than sabbatical. If there was to be overseas expansion of graduate studies, it could serve as a catalyst for some imaginative faculty development. Hesburgh responded that he didn't believe in entitlement. However, he did feel that leave time did not have to be used only on research. "I'd like people to be very imaginative. I can't remember anyone ever being turned down for money. If you have the support of the chair of the department, you'll probably get it."

Prof. Teresa Phelps questioned Hesburgh about the fact that while the University has been trying to attract good, young scholars, especially women, Notre Dame is withdrawing its support of the Early Childhood Development Center. Hesburgh replied that he did not feel it was the University's job to support ECDC, although it was important to have childcare facilities for graduate students who can receive some support for this. Faculty people can provide their own as they would in other places.

Next, Prof. Robert Lordi inquired about plans for a new student center. Hesburgh described various changes he'd like to institute in LaFortune and the surrounding area, including a war memorial. There are at least thirty spots on campus for satellite social centers which are being developed at minimal expense.

Rohrbough asked Hesburgh if he was aware of the fact that if the proposed changes in the curricula were approved without amendment by the Academic Council then the ROTC would lose six hours of degree accredited courses allotted to engineering curricula. Hesburgh stated that he was unaware of this, and promised to look into the matter. He then spoke of the contributions which the three ROTC programs have made to Notre Dame both monetarily and in the quality of students.

Returning to the notion of satellite centers, Miceli asked if they would be new buildings or remodeled areas. Hesburgh felt that remodeling would recover much social space in the dorm.

Prof. Subhash Basu remarked that senior faculty members at Notre Dame are in need of better research facilities, and that this was not mentioned in the PACE Report. According to Hesburgh, these funds must come from and through the deans.

As there is a national shortage of new faculty in the fields of business and engineering, Vacca asked Hesburgh if there was any discussion on the national level of why so many were

staying in the humanities. Hesburgh thought such a discussion would be worthwhile, even though retreading into engineering would be more difficult for liberal arts students than into business. He told of the problems the Harvard Business School had finding someone to teach ethics.

Phelps remarked that there was a great deal of resistance to interdisciplinary studies even though outside directions were pointing that way. Hesburgh didn't know why this was, as many areas in the social sciences are cognate in their methodology. He asked if the senate would discuss this matter. Burrell responded that it would probably require procedures to cover each involved department's interests. Agreeing that problems of tenure and support were departmental, Hesburgh suggested the problematical approach such as study groups focusing on the environment or the nuclear threat best leads to interdisciplinary studies.

Then Burrell asked how one could urge universities to look at the ethical, moral problems of today's world. Hesburgh answered that interdisciplinary studies will aid in this process. At Notre Dame the Kellogg Institute will influence the social sciences. The University has to find its strengths and build upon them . . . "We must be more conscious of what we have in the way of assets."

Changing the subject, Barrett commented that the focus of this year's senate was faculty development. He asked if the administration had considered the problem of young faculty with regard to tenure expectations. Hesburgh commented that there has been much thinking about the problem. The irretractable problem is that there is restricted room for growth with young faculty because of the sizable percentage of tenured faculty. Some of this came from the growth in student enrollment. Barrett asked if any thought had been given to tenure track vs. non-tenure track. Hesburgh replied that it made people nervous to talk about it. Other schools have gotten around the problem with visiting professorships. Notre Dame has tried to keep some good people through maneuvering various appointments. Barrett suggested the use of adjunct professorships. Hesburgh replied that Notre Dame did have some good adjunct professors, but that the deans and department chairmen were generally not in favor of adjuncts.

Mr. Douglas Wurth questioned the wisdom of remodeling LaFortune as opposed to building a new student center. Hesburgh reminded the student government representative that students had been involved in the planning. He proposed to utilize the money available to remodel now so that the students would have a better social space now rather than having to wait until the money was raised to build a new building.

At this point, Burrell thanked Hesburgh for coming and adjourned the meeting at 9:20 p.m.

Absent but not excused: Peri Arnold, government and international studies; Tomoaki Asano, microbiology; Salvatore Bella, management; Paul Conway, finance and business economics; Leo Despres, anthropology; David Dodge, sociology; Jay Dolan, history; Michael Francis, government and international studies; Teresa Ghilarducci, economics; David Kirkner, civil engineering; Donald Kommers, government and law; William Slowey, accounting.

Absent and excused: James Bellis, anthropology; Rudolph Bottei, chemistry; Linda-Margaret Hunt, biology; John Ubran, Jr., electrical engineering; Robert Williamson, Jr., accounting; Joseph Blenkinsopp, theology; John Lucey, aerospace and mechanical engineering.

Respectfully submitted,

Jean A. Rosenberg

## appendix

### Proposal/Motion Regarding Medical Benefits

October 9, 1984

#### Preamble

In the 1983-84 academic year, the Faculty Senate conducted and reported on a study of medical benefit programs at 13 other universities. Careful analysis of these plans led to 11 different proposals. Also, the senate put a great deal of effort in urging administration to seek "bids" from 10 or more companies, including Blue Cross/Blue Shield. This was our major proposal to reduce the 30 to 35% increase in premiums, as charged by this, the only company ever approached by Notre Dame in the last thirty years.

## Results

From last year's efforts: 1) the University sought bids from 7/8 companies and obtained bids from five; each company gave two bids, one on the current medical benefit coverage, and the other on the coverages of the "old plan" which was effective prior to Sept. 1, 1983 and for which Faculty paid nothing; one of the five companies gave bids about six percent lower than the bid of Blue Cross/Blue Shield (i.e., over \$200,000 less on a \$3,000,000 premium); this six percent was defined as not lower enough and no plan change at Notre Dame has occurred; Blue Cross/Blue Shield still handles our medical benefits, although its current 1984-85 premium is considerably less than its 1983-84 premium; 2) administration of the current Blue Cross/Blue Shield program has improved appreciably, due to the skilled efforts of Paul Rentschler in the Personnel Department; however, many faculty and staff are not clear on available benefits and thus are not using them, e.g., re: pharmaceuticals.

## Proposal:

That the Faculty Senate specify its support for a limited few changes in the present medical benefits program.

Senate representatives can be more effective if they concentrate on three or four specifics, rather than the 11 contained in the spring 1984 Benefits Report.

- I. There should be a University Medical Benefits Committee.  
The Committee's functions would include: a) reviewing the operations and performance of the program at least once a year; b) top priority of study should be given to the program's service to members and to costs to members and the university; c) specific recommendations to administration decision-makers should be made to improve the program; d) a written report to all members should be made by the Committee at least once a year; e) Committee should be made up of elected/representative members of the different faculties, staff and administration.
- II. The University should provide a "wellness" program for members.  
Blue Cross/Blue Shield of Indiana provided just such a program for its employees and after years of operation concluded that it saved their health program \$2 for every \$1 spent. Example: hiring a Licensed Practical Nurse to do blood pressure and heart checks and medical histories of members -- referring some members "at risk" to a more thorough examination by a physician who gives one day a month to this (with prescriptions...) -- a concerted health education program.
- III. The University should ask two or three companies to offer different plans for choices by members. Where there is price and service competition, it is recognized that members benefit. Taking the two/three lowest bids among the five obtained, spring, 1984, this would help define what companies should be invited.
- IV. The University should actively encourage the formation/entrance of HMOs into our community. Health Maintenance Organizations (HMOs) are guided by federal law (19) to help hold down costs, to provide for effective medical care, to arrange for prepayment of premiums, etc. Kaiser Permanente is an HMO operating very successfully in Connecticut, Cleveland, through California, and many other places. There are today thousands of HMOs in the U.S. Three are trying to enter the St. Joseph County area. Notre Dame does not reply to their inquiries. Note: by federal law, once an HMO is established in the community, large employers must offer it to members who contract for a medical benefits plan.

Donald N. Barrett  
Sociology - Faculty Senate

## university libraries minutes october 1, 1984

Present: Harvey A. Bender, C. Daly, Bill D. McDonald, Gerald L. Jones, Robert C. Miller, W. Robert Scheidt.

The minutes of the August 27 meeting were approved for publication.

The following announcements were made: (1) W. Sexton has agreed to attend the Nov. 5 meeting of the Committee. (2) The Friends of the Library at Notre Dame had a good send-off for the academic year with the program, Wines: Books and Bottles. (3) The benchmark results from VTLS are expected sometime this week. (4) The new photocopy system seems to be operating smoothly. (5) Discussions have begun with the Computing Center regarding the possibility of locating microcomputers in Memorial Library for student use.

The relocation of first and second floor public services was discussed. The consolidation of the Microtext Reading Room, the Documents Center and the Reference Department on the first floor will probably be accomplished during the Christmas break. After the completion of this move, the moves of the Reserve Book Room and the International Documentation Center will be scheduled. (Subsequent information indicated the moves would be deferred until May, 1985.)

Mentioned as agenda items for the balance of the academic year were: the costs of database searches, the library role (if any) in software for microcomputers, the approval programs, and Notre Dame's cooperation with the four State universities on a telefacsimile network for Indiana.

Committee members were reminded of the reception for the Advisory Council for University Libraries on Friday, Oct. 12, at 4 p.m.

The next meeting is scheduled for Monday, Nov. 5, at 4 p.m. in the 221 Conference Room of Memorial Library.

## corrections to nd report no. 4

Editor's Note: Following are corrections and additions to Notre Dame Report #4 which have been brought to the editor's attention. Page numbers listed below refer to Report #4; underlined portions are the correct changes to be made.

### University Committees

The journal Annali d'Italianistica, Dino S. Cervigni, Editor, should have been included under Editors of Scholarly Publications, p. 184.

Edward A. Kline, Director of the Freshman Writing Program, should have been included as a member of the University Committee for the Freshman Year of Studies, p. 188.

### Faculty of the University, Academic Year 1984-85

JOHN J. BENTLEY, JR., Associate Professional Specialist in the Radiation Laboratory. B.S., College of Holy Cross, 1967; M.S., Carnegie-Mellon Univ., 1970; Ph.D., ibid., 1975. (1978-82; 1984)

MARY S. BRÖSKE, Assistant Professor of Finance. B.A., Sweet Briar College, 1966; Ph.D., Univ. of Florida, 1982. (1982)

TERESA GHILARDUCCI, Assistant Professor of Economics. A.B., Univ. of California at Berkeley, 1978; Ph.D., ibid., 1984. (1983)

REV. MR. JOHN F. KURTZKE, JR., C.S.C., Adjunct Assistant Professor of Mathematics. B.S., Univ. of Notre Dame, 1973; M.A., Univ. of California at Los Angeles, 1975; Ph.D., ibid., 1978. (1978) [To be added.]

REV. OLIVER F. WILLIAMS, C.S.C., Assistant Professor of Management. BS.Ch.E., Univ. of Notre Dame, 1961; M. Th., ibid., 1969; Ph.D., Vanderbilt Univ., 1974. (1973)

# advanced studies

## information circulars

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

## humanities

See complete information regarding the information circulars listed below under the category of Social Sciences.

International Research and Exchanges Board  
Grants for Collaborative Activities and New  
Exchanges  
No. FY85-275

International Research and Exchanges Board  
Travel Grants for Senior Scholars  
No. FY85-276

The Ford Foundation  
Grant Program  
No. FY85-277

## social sciences

See complete information regarding the information circulars listed below under the category of Science.

Stallone Fund for Autism Research  
Research Projects in Autism  
No. FY85-292

The Weight Watchers Foundation, Inc.  
Research Grants  
No. FY85-296

The Ford Foundation  
Grant Program  
No. FY85-277

### Program:

The Ford Foundation's domestic and international work is coordinated within six areas of general concern: Urban Poverty (to receive about 1/5th of the 1984-1985 program budget); Rural Poverty and Resources, Human Rights and Social Justice, Governance and Public Policy, Education and Culture, and International Affairs. The Foundation's goals and approaches at home and overseas are

broadly the same: to encourage community self-help, to build organizations that link local efforts to resources in the larger society, and to generate and share knowledge of solutions to problems of both national and worldwide concern. The Foundation has expanded its efforts on behalf of the world's refugees and migrants and on problems of youth unemployment and poor school performance. There is increased emphasis on devising new approaches to peace and avoidance of war in our work on international security. Programs are supported, both at home and abroad, to improve the health and intellectual development of very young children. It continues to assist research on the capacity of government to maintain and strengthen social welfare programs. A common thread through much of this agenda is a concern for those who suffer severe economic and social deprivation. The grants budget for the biennium 1984-85 is \$258 million, an increase of about seven percent over the previous biennium. Approximately 35 percent of the Foundation's program budget is allocated for work in developing countries. Application should first be through a brief letter of inquiry to determine whether the Foundation's present interests and funds permit consideration of a proposal.

### For Further Information Contact:

The Ford Foundation  
Franklin A. Thomas  
President  
320 East 43rd Street  
New York, NY 10017

(From 1984 ARIS)

## International Research and Exchanges Board Grants for Collaborative Activities and New Exchanges

No. FY85-275

### Program:

Grants averaging under \$2,000 are available for support of specific collaborative projects and new exchanges. Applicants presenting projects involving sums in excess of \$10,000 or which will require support beyond one year should seek aid from other sources. Such undertakings as bilateral and multinational symposia, collaborative and parallel research, joint publications (but not publication costs), exchanges of data, comparative surveys, and brief visits necessary in the planning of such projects will be considered. Awards are to encourage the development of



individual and institutional collaboration and exchange in the social sciences and humanities involving scholars from the U.S. and from Eastern Europe and the USSR, as well as Albania and Mongolia. Grants are not available to support individual study, research, or attendance at international scholarly conferences.

Deadline:  
January 31, April 30 and October 31, 1985

For Further Information Contact:

International Research and  
Exchanges Board  
Margit Serenyi  
Staff Contact  
655 Third Avenue  
New York, NY 10017  
(212) 490-2002

(From 1984 ARIS)

**International Research and Exchanges Board  
Travel Grants for Senior Scholars**

No. FY85-276

Program:

Travel grants are available to facilitate communications between prominent American scholars in the social sciences and humanities and their colleagues in Eastern Europe and the USSR, as well as in Albania and Mongolia. Preference will normally be given to scholars outside the field of Soviet and East European studies. Applicants must have received a formal invitation from an appropriate institution for the purposes of consultation and/or lecturing. Grants to American applicants will consist of round-trip economy air transportation only, and are intended for short visits (normally less than two months). Grants are not intended for individual research, study, or attendance at international scholarly conferences.

Deadline:  
January 31, April 30 and October 31, 1985

For Further Information Contact:

International Research and  
Exchanges Board  
Margit Serenyi  
Staff Contact  
655 Third Avenue  
New York, NY 10017  
(212) 490-2002

(From 1984 ARIS)

## science

**Applied DNA Systems, Inc.  
University Research Program**

No. FY85-287

Program:

Contracts are awarded to qualified investigators at accredited research and teaching institutions in the United States or other countries for research programs in the biological sciences which can result in a marketable product or process. Projects may employ any technologies familiar to molecular biology, microbiology, genetics, biochemistry, biophysics, pharmacology, etc. Specifically, ADS looks to support projects in the areas of speciality chemical production, process development, food processing, diagnostic and medical products. Contracts are available for periods of time between one and three years (renewable). Preliminary project proposals will be accepted at any time of the year by ADS. Preliminary proposals should be 1-3 pages in length, briefly describing the aims of the project, the scientific rationale, and commercial focus. The curriculum vitae of the principal investigator should also be included. Applicants whose preliminary proposals are approved by ADS will be invited to submit a detailed project proposal.

For Further Information Contact:

Applied DNA Systems, Inc.  
George F. Huff, D.Sc.  
Vice President  
University Technology Development  
Center One  
4516 Henry Street  
Pittsburgh, PA 15213  
(412) 683-1151

(From 1984 ARIS)

**Department of Energy  
1985 Energy-Related Research Opportunities**

No. FY85-278

Program:

Select DOE research facilities invite applications from qualified faculty, postgraduate, graduate and undergraduate students for opportunities to do research. Faculty and student appointments are for the summer; postgraduate and graduate appointments are for six months to one year. The program is open to U.S. citizens and permanent resident aliens. Facilities include the Atmospheric Turbulence and Diffusion Laboratory, Oak Ridge Associated Universities, and Oak Ridge

National Laboratory, all in Oak Ridge, TN; the Bartlesville Energy Technology Center, Bartlesville, OK; the Center for Energy and Environmental Research, Puerto Rico; the Morgantown Energy Technology Center, Morgantown, WV; the Pittsburgh Energy Technology Center, Pittsburgh, PA; and the Savannah River Ecology Laboratory and Savannah River Laboratory, Aiken, SC. A special program in fossil energy research invites applications from faculty members and graduate students for work in Bartlesville, Pittsburgh, or Morgantown.

Deadline:  
January 21, 1985\*

For Further Information Contact:

Department of Energy  
Oak Ridge Associated Universities  
Research Participation and Training  
P.O. Box 117  
Oak Ridge, TN 37831  
(615) 576-3428

\*The deadline for faculty and undergraduate student research participation for summer appointments is January 21, 1985, except Savannah River Laboratory which is December 14, 1984. Faculty sabbatical leaves and student academic year applications must be received three months prior to desired starting date.

(From 1984 ARIS)

**The McKnight Foundation  
McKnight Scholars Award**

No. FY85-281

Program:  
To stimulate research in neuroscience, especially as it pertains to memory, five scholars will be selected for an award to the sponsoring institution of \$30,000 for each of three successive years to be used for salary and direct costs. Eligible applicants are those who hold a M.D. and/or Ph.D. degree, have not completed more than five years of postdoctoral research, and who show evidence of a commitment to a continuing career in neuroscience. Requests for further information and instructions about applications should be directed to Mr. Ewald.

Deadline:  
January 2, 1985

For Further Information Contact:

The McKnight Foundation  
Mr. Russell V. Ewald  
Executive Vice President  
410 Peavey Building  
Minneapolis, MN 55402  
(612) 333-4220

(From 1984 ARIS)

**National Research Council  
Cooperative Research Associateships**

No. FY85-283

Program:  
U.S. citizens with a recent Ph.D. (less than five years) in chemistry; engineering; biological, earth, environmental, physical, and space sciences are eligible for opportunities for basic and applied research in the laboratories of the Naval Research Laboratory in Washington, DC and the Naval Ocean Research and Development Activity. The stipend is \$26,350 for the first year with an increment for the second year. A third year of contractual support may be available from the Office of Naval Research for selected Associates who will be continuing research in post-tenure positions at academic institutions.

Deadline:  
January 15, 1985

For Further Information Contact:

National Research Council  
Associateship Office (JH-608)  
2101 Constitution Avenue, NW  
Washington, DC 20418  
(202) 334-2760

(From 1984 ARIS)

**National Science Foundation  
U.S. - Japan Program of Cooperation in  
Photoconversion and Photosynthesis**

No. FY85-279

Program:  
Proposals may be submitted for projects in photoconversion and photosynthesis. The principal investigator must be a U.S. scientist with a doctoral degree or equivalent professional experience. Research will be supported in the following areas: basic photosynthetic processes, hydrogen production, regulation of carbon assimilation, determinants of biomass productivity, artificial photosynthesis, photoelectrochemistry, photochemistry, photocatalysis, and molecular energy storage. The categories of support include:

- Project Development Visits: for visits to Japan of maximum two weeks duration to allow scientists to plan Long-term or Short-term Photoconversion/Photosynthesis Research Visits;

- Long-term Visits for Research: for visits to Japan of three to twelve months to conduct research in collaboration with Japanese scientists at a research center or laboratory which provides unique opportunities for the U.S. investigator, it has a January 15, 1985 deadline;

- Short-term Visits for Research: for visits to Japan of one to six weeks per year for

cooperative research projects in which special benefits can be expected from such collaboration, it has a January 15, 1985 deadline.

For Further Information Contact:

National Science Foundation  
Directorate for Scientific,  
Technological and International  
Affairs  
Division of International Programs  
Industrial Countries Section  
Dr. Charles Wallace  
Room 1208  
1800 G Street, NW  
Washington, DC 20550  
(202) 357-9537

(From 1984 ARIS)

**Polytechnic Institute of New York  
Marconi International Fellowship**

No. FY85-284

Program:

Nominations are being requested for a \$35,000 award to commission creative work in communications science or technology. The criteria for eligibility will include: 1) the nominee's contributions to communications science or technology; 2) the present and future value to society of these contributions; and 3) the degree to which the nominee's work exemplifies commitment to the betterment of the human condition.

Deadline:

January 30, 1985

For Further Information Contact:

Polytechnic Institute of New York  
Marconi International Fellowship  
Dr. George Bugliarello  
333 Jay Street  
Brooklyn, NY 11201  
(212) 643-5500

(From 1984 ARIS)

**Research Corporation  
Invention Administration Program**

No. FY85-288

Program:

This program operates independently of the Foundation's Grants Programs. It provides services to education and scientific institutions to include: evaluating faculty and staff inventions, accepting assignment of those which appear useful and marketable, applying for patents through qualified counsel, and licensing issued patents to industry. The foundation also copyrights and licenses computer programs for educational and scientific institutions through its national

clearinghouse, Research Corporation/Research Software. Royalties received from patents assigned to Research Corporation are apportioned among the inventor, the institution and the Foundation, with the institution's patent policy determining the inventor's share. The Foundation's share is used to help fund its programs in support of academic science and technology. Inquiries regarding these services should be addressed to the Director, Invention Administration Program, at the address below.

For Further Information Contact:

Research Corporation  
Director  
Invention Administration Program  
6840 East Broadway Boulevard  
Tucson, AZ 85710-2815  
(602) 296-6400

(From 1984 ARIS)

**Stallone Fund for Autism Research  
Research Projects in Autism**

No. FY85-292

Program:

The Stallone Fund for Autism Research was established in 1983 to sponsor promising biologically oriented research leading to improvement in the diagnosis, prevention and treatment of autism and autism-like disorders of childhood which become evident within the first 30 months of life. The Fund is interested in receiving research proposals in the following and related areas, as they may relate to autisms: biochemistry, genetics, electrophysiology, virology, neuropathology, neuroanatomy, neuropsychology, immunology and allergy. Behavior studies will also be considered, if they may contribute to a better understanding of the nature of autism, its diagnosis, or to improved means of treatment or of evaluating treatment. Grants will range from \$2,500 to \$50,000 per year. Overhead reimbursements not to exceed 10% are provided. The maximum duration of the Stallone Fund grant will be two years, with renewal for the second year at the discretion of the Scientific Advisory Board. Initial contact should be a one or two page letter of intent, briefly outlining the hypothesis to be tested or questions to be addressed. The initial letter should also include a short background section relating to the significance of the specific question and/or approach; an indication of the methodology to be employed; a description of the subject population; and the amount of support being sought, as appropriate. If the proposed project is of interest to the Fund, the proposer will receive guidelines for sending a more complete proposal. Proposals submitted by June 1st will be considered for grants awarded on or about September 15th, and those submitted by December 1st will be eligible for grants awarded on or about March 15th.

Deadline:

December 1, 1984 and June 1, 1985

For Further Information Contact:

Stallone Fund for Autism Research  
Scientific Advisory Board  
4182 Adams Avenue  
San Diego, CA 92116  
(619) 281-7165

(From 1984 ARIS)

**The Society of Nuclear Medicine  
Pilot Research Grants in Nuclear Medicine**

No. FY85-285

Program:

Grants are limited to a maximum of \$3,000 for a one-year period to support projects that are pilot in nature. These grants will not support salaries, major equipment purchases, institutional overhead or travel, but are designed to provide essential materials so that innovative ideas can be quickly tested. Application forms are available from the Society at the address given.

Deadline:

December 15, 1984 and May 1, 1985

For Further Information Contact:

The Society of Nuclear Medicine  
Education and Research Foundation  
475 Park Avenue South  
New York, NY 10016  
(212) 889-0717

(From 1984 ARIS)

**The Society of Nuclear Medicine  
The Tetelman Award**

No. FY85-286

Program:

This award of maximum \$3,000 is designated for work accomplished by an investigator of age 35 or younger, based on a submitted paper presented at the annual Society of Nuclear Medicine meeting. Papers must be submitted by March 1st prior to the annual meeting.

Deadline:

March 1, 1985

For Further Information Contact:

The Society of Nuclear Medicine  
Education and Research Foundation  
475 Park Avenue South  
New York, NY 10016  
(212) 889-0717

(From 1984 ARIS)

**The Weight Watchers Foundation, Inc.  
Research Grants**

No. FY85-296

Program:

The Foundation makes grants to institutions for research in any area of fundamental importance related to obesity. Possible areas are biochemistry, physiology, psychology, or epidemiology, and include field work, clinical studies, and laboratory studies. Preference will be given to organizations that have qualified for exemptions under Section 501(c)(3) of the Internal Revenue Code. Applicants may submit the following information: 1) name, title, and curriculum vitae of principal investigator, 2) title of the project, 3) objective of the project, 4) general methods to be used in carrying out the study, 5) facilities available, 6) time schedule, and 7) budget. Foundation grants do not exceed \$10,000 and are made for one year subject to renewal on report of satisfactory progress. The grant request should be addressed to Dr. Sebrell.

For Further Information Contact:

The Weight Watchers Foundation, Inc.  
Dr. W. Henry Sebrell  
Executive Director  
800 Community Drive  
Manhasset, NY 11030

(From 1984 ARIS)

## engineering

See complete information regarding the information circulars listed below under the category of Science.

Polytechnic Institute of New York  
Marconi International Fellowship

No. FY85-284

Research Corporation  
Invention Administration Program  
No. FY85-288

**Jet Propulsion Laboratory  
President's Fund Caltech - Cooperative Research  
with the Jet Propulsion Laboratory**

No. FY85-280

Program:

The California Institute of Technology and NASA plan to make funds available during

calendar year 1985 to support cooperative research on topics and in areas related to the interests and capabilities of the Jet Propulsion Laboratory. Such research is to be conducted by university and college personnel working in close cooperation with people at JPL. From these funds, a number of grants will be awarded as relatively short-term "seed" money to get new endeavors started and to support efforts of great potential yield to JPL. These funds cannot provide a sustained source of support for any single program, nor can they be a source of contingency funding. Proposals will be processed as rapidly as possible, and funds can be made available within 90 days following the deadline date. It is essential that contact be established with JPL well before the proposal is prepared in order that the proposal be an accurate presentation of a substantial joint effort.

Deadline:  
January 2, 1985

For Further Information Contact:

Jet Propulsion Laboratory  
California Institute of Technology  
Dr. M.T. Chahine  
JPL 180-900  
4800 Oak Grove Drive  
Pasadena, CA 91109  
(818) 354-6057

(From 1984 ARIS)

## general

### Florence V. Burden Foundation Program Grants

No. FY85-289

Program:  
The Foundation makes grants in two fields, services for the aging, and crime and justice. It prefers to fund innovative test and demonstration projects, although will consider applied and policy research if it shows promise of providing new approaches to solving problems. In the aging area, the Foundation is interested in projects that enable older people to live at home, remain active members of society and contribute their skills. Projects that strengthen the volunteer service networks, employ older people, and provide a promising less costly alternative to existing systems of social service or health care are particularly encouraged. A preliminary letter of inquiry

is required before submission of a formal proposal.

Deadline:  
January 1, May 1 and September 1, 1985

For Further Information Contact:

Florence V. Burden Foundation  
David M. Nee  
Executive Director  
630 Fifth Avenue, Suite 2900  
New York, NY 10111  
(212) 489-1063

(From 1984 ARIS)

### Hewlett-Packard Company National Grants

No. FY85-294

Program:  
Grants are made for causes related to science, engineering, technology and medicine. Examples of principal activities include: equipment granting to education including colleges and universities; engineering and computer science faculty development and faculty loan programs; science and engineering-oriented Affirmative Action contributions; philanthropic underwritings of several university high technology centers; and cash and equipment grants to nationally active, non-academic organizations in the arts and human services fields when creative bridges between the sciences and the humanities can be built. National equipment requests should be sent to the Director of Corporate Grants at the address given. National cash requests may be submitted to the Executive Director, Hewlett-Packard Company Foundation, P.O. Box 10301, Palo Alto, CA 94303-0890. Requests for grants outside of the U.S. may be addressed to the H-P subsidiary in the country involved or sent to the attention of the Director of Corporate Grants. Application procedures can be obtained from the Company.

For Further Information Contact:

Hewlett-Packard Company  
Directorate of Corporate Grants  
3000 Hanover Street  
Palo Alto, CA 94304

(From 1984 ARIS)

### John and Mary R. Markle Foundation Grants

No. FY85-295

Program:  
Grants of varying amounts depending on need for projects in the field of mass communication, including television, radio, film, print, and telecommunications. The Foundation supports research on the role of mass

communications in society; analyses of issues of public policy and public interest; projects that improve the performance of professionals involved in the mass communications industries; projects that develop better media and communications services, including media services growing out of new technologies; and activities that enrich their quality. The Foundation has a general interest in all aspects of the media and related services and plans to support a wide range of efforts to improve them. However, the Markle Foundation does not provide funds for endowments, capital and buildings, individual scholarships, or film production. Applications may be submitted at any time.

For Further Information Contact:

John and Mary R. Markle Foundation  
50 Rockefeller Plaza  
New York, NY 10020  
(212) 489-6655

(From 1984 ARIS)

**National Research Council  
Postdoctoral Fellowships for Minorities**

No. FY85-290

Program:

The NRC is administering a competition on behalf of the Ford Foundation in which 35 fellowships will be awarded to persons who: 1) are citizens or nationals of the U.S. at the time of application; 2) are members of the following minority groups: American Indians or Alaskan Natives, Black Americans, Mexican Americans/Chicanos and Puerto Ricans; and 3) have earned the Ph.D. or its equivalent. Awards will be made in the areas of behavioral and social sciences, humanities, mathematics, engineering, physical sciences, and biological sciences; awards will not be made in professions such as medicine, law or social work. The purpose of these awards is to assist teacher-scholars already engaged in college or university teaching and research to achieve greater recognition in their respective fields and to acquire the professional associations that will make them more effective and productive when they resume academic employment. Fellows are expected to do their postdoctoral work at an institution other than that from which they apply; any non-profit institution of higher education, primarily in the U.S., is appropriate as a host institution. There are two categories of awards:

- Regular: Stipends of \$20,000 per year to fellows who have held a Ph.D. or other terminal degree less than seven years as of January 16, 1985. These fellows will be expected to choose an appropriate mentor for the duration of the fellowship.

- Senior: Stipends of \$26,000 per year to fellows who have held the doctorate or other

terminal degree for more than seven years as of January 16, 1985. These fellows will be expected to designate a colleague in the proposed host institution with whom they would like to associate during tenure.

In addition to the stipends, fellows will receive a travel and relocation allowance of up to \$2,000; the host institution will be provided with a cost-of-research allowance of \$2,000 per year for each fellow in residence. The usual tenure for these postdoctoral fellowships is either 9 or 12 months; tenures are expected to begin in September, 1985.

Deadline:  
January 16, 1985

For Further Information Contact:

National Research Council  
The Fellowship Office  
2101 Constitution Avenue, NW  
Washington, DC 20418  
(202) 334-2860

(From 1984 ARIS)

**National Research Council  
Research Associateship Program - Postdoctoral  
and Resident Awards**

No. FY85-282

Program:

NRC offers awards for basic and applied research at federal laboratories in various fields of biological, medical and behavioral sciences; chemistry, engineering, mathematics; and earth, atmospheric, physical and space sciences. Stipends begin at \$26,350 a year for recent doctoral graduates, with higher stipends for seniors with at least five years of postdoctoral experience. Interested persons should first request the summary Guide to Programs which outlines the federal organizations participating in the program and the particular areas of research for each, since the NRC requests all persons inquiring to specify the federal agency(s) and their field of interest in order to send the correct research opportunity books and application materials.

Deadline:  
January 15, 1985\*

For Further Information Contact:

National Research Council  
Associateship Office (JH-608)  
2101 Constitution Avenue, NW  
Washington, DC 20418  
(202) 334-2760

\*Additional deadlines of April 15 and August 15 are held for some laboratories.

(From 1984 ARIS)

## National Trust for Historic Preservation Preservation Services Fund Program

No. FY85-291

### Program:

Grants to non-profit incorporated organizations or public agencies and members of the National Trust at the organization level or above. Grants may be used to pay no more than half the cost of the eligible project, program or conference expenses and grantees must match funds on at least a dollar-for-dollar basis. Federal monies may not be used for the match. The Preservation Services Fund provides support for the following types of activities: 1) hiring consultants to undertake preservation planning or design projects; 2) obtaining professional advice to strengthen management capabilities; 3) sponsoring preservation conferences; 4) designing and implementing innovative preservation education programs targeted to specific audiences; and 5) undertaking other planning activities that will lead to implementation of a specific preservation project. Brick and mortar construction projects and the funding of ongoing staff positions are not eligible activities. Maximum grant awards are \$5,000, but because of strong competition and limited resources, most will be \$1,000 to \$1,500. Applications should be mailed to the appropriate National Trust regional office. Grant applications and National Trust membership information are available from the regional offices. A list of regional offices is available from the national office at the address below.

### Deadline:

February 1, June 1 and October 1, 1985

### For Further Information Contact:

National Trust for Historic  
Preservation  
Office of Financial Services  
1785 Massachusetts Avenue, NW  
Washington, DC 20036  
(202) 673-4054

(From 1984 ARIS)

## United States Steel Foundation, Inc. Grants

No. FY85-293

### Program:

Grants are awarded to selected organizations and projects in the areas of national and community social services; education; public, cultural and scientific affairs; and medical, health and hospitals. The Foundation does not make grants to individuals, nor does it typically make grants for conferences, seminars, travel, or for the publishing of books, magazines, or films. While applications may be submitted at any time, grants decisions are made on a specific schedule; the deadline

for public-cultural-scientific affairs is January 15. Application information is available from the Foundation.

### Deadline:

January 15, 1985

### For Further Information Contact:

United States Steel Foundation, Inc.  
600 Grant Street, Room 6284  
Pittsburgh, PA 15230  
(412) 433-5237

(From 1984 ARIS)

## current publications and other scholarly works

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

### COLLEGE OF ARTS AND LETTERS

#### American Studies

Schmuhl, Robert P.

R.P. Schmuhl. 1984. *The Responsibilities of Journalism.* University of Notre Dame Press, Notre Dame, Indiana. ix + 138 pp.

#### English

Orr, Leonard

L. Orr. 1984. *Random Verbal Generators and Verbal Constraints in Fiction.* Modern Fiction Studies 30:203-215.

#### Government and International Studies

Mainwaring, Scott P.

S.P. Mainwaring. 1984. *Igreja Católica, Educação do Povo e Política.* Pages 203-225 in, V. Paiva, ed., *Perspectivas e Dilemas da Educação Popular.* Graal, Rio de Janeiro.

Wilde, Alexander W.

A.W. Wilde. 1984. *Politics and the Progressive Church in Latin America.* *Justice Education News, Saint Mary's College (Christians and Justice Series).* Pages 1-20.

#### History

Gleason, J. Philip

J.P. Gleason. 1984. *Pluralism and Assimilation: A Conceptual History.* Pages 221-257 in, J. Edwards, ed., *Linguistic*

Minorities, Policies and Pluralism.  
Academic Press, London, England.

Spencer, Thomas T.

T.T. Spencer. 1984. Review of R. Lowitt's, The New Deal and the West. Minnesota History 49:119.

T.T. Spencer. 1984. FDR's Forgotten Friend: Henry H. McPike and the 1932 Democratic Presidential Nomination. California History 63:194-199.

#### Philosophy

McMullin, Ernan

E. McMullin. 1984. On the Threshold of Exact Science. Journal of the History of Philosophy 22:368-371.

E. McMullin. 1984. The Rational and the Social in the History of Science. Pages 127-163 in, J.R. Brown, ed., Scientific Rationality: The Sociological Turn.

#### Sociology

Dasilva, Fabio B.

F.B. Dasilva and E. Camara. 1984. Music and Society in Brazil: The Recent Experience. International Review of Aesthetics and the Sociology of Music. 15:16-29.

### COLLEGE OF SCIENCE

#### Chemistry

Creary, Xavier

X. Creary. 1984. Competing,  $k_c$ , Borderline,  $k_s$ , and Carbonyl Addition Process in Solvolyses of  $\alpha$ -Keto Mesylates and Triflates.  $\alpha$ -Keto Cations. 5. Journal of the American Chemical Society 106: 5568-5577.

Kozak, John J.

\*M.K. Musho and J.J. Kozak. 1984. Characteristics of the Probability Function for Three Random-Walk Models of Reaction-Diffusion Processes. Journal of Chemical Physics 81:3229-3238.

Levanon, Haim

\*O. Gonen and H. Levanon. 1984. Line-shape Analysis of Transient Triplet Electron Paramagnetic Resonance Spectra. Application to Porphyrins and Chlorophylls in Nematic Uniaxial Liquid Crystals. Journal of Physical Chemistry 88:4223-4228.

Pasto, Daniel J.

D.J. Pasto. 1984. Recent Developments in Allene Chemistry. Tetrahedron 40:2805-2827.

Scheidt, W. Robert

T. Mashiko, C.A. Reed, K.J. Haller and W.R. Scheidt. 1984. Nature of Iron(I) and Iron(0) Tetraphenylporphyrin Complexes. Synthesis and Molecular Structure of (Dibenzo-18-crown-6)bis-(tetrahydrofuran)sodium (meso-Tetraphenylporphyrinato)ferrate and Bis[tris(tetrahydrofuran)sodium] (meso-Tetraphenylporphyrinato)

ferrate. Inorganic Chemistry 23:3192-3196.

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\*Under the Radiation Laboratory  
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#### Earth Sciences

Winkler, Erhard M.

E.M. Winkler. 1984. Buttressed Expansion of Granite and Development of Grus in Central Texas: Discussion. Annals of Geomorphologie, N.F. 28(3):383-384.

#### Physics

Bishop, James M.

R.M. Edelstein, G. Ginther, R. Lipton, J.M. McQuade, J. Russ, L. Spiegel, D.E. Johnson, D. Buchholz, L.M. Cremaldi, S. Delchamps, H.S. Mao, J.L. Rosen, W.K. Sakumoto, R.A. Schluter, S.B. Sontz, C. Winter, J.M. Bishop, N.M. Cason, L. Dauwe, V.P. Kenney, A. Kreymer, P. Mooney, R. Pemper, R.C. Ruchti and W.D. Shephard. 1984. Production of Leptons in Coincidence with Prompt Muons. Physical Review Letters 53:1411.

Biswas, Nripendra N.

R.M. Edelstein, G. Ginther, R. Lipton, J.M. McQuade, J. Russ, L. Spiegel, D.E. Johnson, D. Buchholz, L.M. Cremaldi, S. Delchamps, H.S. Mao, J.L. Rosen, W.K. Sakumoto, R.A. Schluter, S.B. Sontz, C. Winter, J.M. Bishop, N.M. Cason, L. Dauwe, V.P. Kenney, A. Kreymer, P. Mooney, R. Pemper, R.C. Ruchti and W.D. Shephard. 1984. Production of Leptons in Coincidence with Prompt Muons. Physical Review Letters 53:1411.

Cason, Neal M.

R.M. Edelstein, G. Ginther, R. Lipton, J.M. McQuade, J. Russ, L. Spiegel, D.E. Johnson, D. Buchholz, L.M. Cremaldi, S. Delchamps, H.S. Mao, J.L. Rosen, W.K. Sakumoto, R.A. Schluter, S.B. Sontz, C. Winter, J.M. Bishop, N.M. Cason, L. Dauwe, V.P. Kenney, A. Kreymer, P. Mooney, R. Pemper, R.C. Ruchti and W.D. Shephard. 1984. Production of Leptons in Coincidence with Prompt Muons. Physical Review Letters 53:1411.

Cushing, James T.

J.T. Cushing. 1984. The Spring-Mass System Revisited. American Journal of Physics 52:925-933.

J.T. Cushing. 1984. The Method of Characteristics Applied to the Massive Spring Problem. American Journal of Physics 52:933-937.

Funk, Jr., Emerson G.

A. Chaudhury, E.G. Funk, Jr., J.W. Mihelich and U. Garg. 1984. RDM Measurements in  $^{122,123}\text{Xe}$  and  $^{123}\text{C}$ . Bulletin of American Physical Society 29:1042.

U. Garg, J.J. Kolata, E.G. Funk, Jr., J.W. Mihelich, R.V.F. Janssens, T.L. Khoo, and D.C. Radford. 1984. Test of Prototype Components of the Argonne-Notre Dame Gamma Facility. Bulletin of American



Physical Society. 29:1043.

Garg, Umesh

A. Chaudhury, E.G. Funk, Jr., J.W. Mihelich and U. Garg. 1984. RDM Measurements in  $^{122}\text{Xe}$  and  $^{123}\text{Cs}$ . Bulletin of American Physical Society 29:1042.

U. Garg, J.J. Kolata, E.G. Funk, Jr., J.W. Mihelich, R.V.F. Janssens, T.L. Khoo, and D.C. Radford. 1984. Test of Prototype Components of the Argonne-Notre Dame Gamma Facility. Bulletin of American Physical Society. 29:1043.

U. Garg, W.A. Hollerman, A. Galonsky, W.G. Lynch, M.B. Tsang, J. van der Plicht, Y.-W. Lui, and D.H. Youngblood. 1984. Giant Resonance Excitation in Inelastic Scattering of 35 MeV/A  $^{14}\text{N}$  Ions. Bulletin of American Physical Society 29:1051.

Kenney, V. Paul

R.M. Edelstein, G. Ginther, R. Lipton, J.M. McQuade, J. Russ, L. Spiegel, D.E. Johnson, D. Buchholz, L.M. Cremaldi, S. Delchamps, H.S. Mao, J.L. Rosen, W.K. Sakumoto, R.A. Schluter, S.B. Sontz, C. Winter, J.M. Bishop, N.M. Cason, L. Dauwe, V.P. Kenney, A. Kreymer, P. Mooney, R. Pemper, R.C. Ruchti and W.D. Shephard. 1984. Production of Leptons in Coincidence with Prompt Muons. Physical Review Letters 53:1411.

Kolata, James J.

U. Garg, J.J. Kolata, E.G. Funk, Jr., J.W. Mihelich, R.V.F. Janssens, T.L. Khoo, and D.C. Radford. 1984. Test of Prototype Components of the Argonne-Notre Dame Gamma Facility. Bulletin of American Physical Society. 29:1043.

Mihelich, John W.

A. Chaudhury, E.G. Funk, Jr., J.W. Mihelich and U. Garg. 1984. RDM Measurements in  $^{122}\text{Xe}$  and  $^{123}\text{Cs}$ . Bulletin of American Physical Society 29:1042.

U. Garg, J.J. Kolata, E.G. Funk, Jr., J.W. Mihelich, R.V.F. Janssens, T.L. Khoo, and D.C. Radford. 1984. Test of Prototype Components of the Argonne-Notre Dame Gamma Facility. Bulletin of American Physical Society. 29:1043.

Ruchti, Randal C.

R.M. Edelstein, G. Ginther, R. Lipton, J.M. McQuade, J. Russ, L. Spiegel, D.E. Johnson, D. Buchholz, L.M. Cremaldi, S. Delchamps, H.S. Mao, J.L. Rosen, W.K. Sakumoto, R.A. Schluter, S.B. Sontz, C. Winter, J.M. Bishop, N.M. Cason, L. Dauwe, V.P. Kenney, A. Kreymer, P. Mooney, R. Pemper, R.C. Ruchti and W.D. Shephard. 1984. Production of Leptons in Coincidence with Prompt Muons. Physical Review Letters 53:1411.

Shephard, William D.

R.M. Edelstein, G. Ginther, R. Lipton, J.M. McQuade, J. Russ, L. Spiegel, D.E. Johnson, D. Buchholz, L.M. Cremaldi, S. Delchamps, H.S. Mao, J.L. Rosen, W.K. Sakumoto, R.A. Schluter, S.B. Sontz, C. Winter, J.M. Bishop, N.M. Cason, L. Dauwe, V.P. Kenney, A. Kreymer, P. Mooney, R. Pemper, R.C. Ruchti and W.D. Shephard. 1984. Production of Leptons

in Coincidence with Prompt Muons. Physical Review Letters 53:1411.

## COLLEGE OF ENGINEERING

### Chemical Engineering

Schmitz, Roger A.

G.A. D'Netto, J.R. Brown and R.A. Schmitz. 1984. Thermal Images of Catalyst Surfaces During Reaction. Institution of Chemical Engineers, Symposium Series 87:247-254.

### Civil Engineering

Bang, Sangchul

S. Bang. 1984. Analysis of a Spiling Reinforcement System in Soft Ground Tunneling. Transportation Research Record. Transportation Research Board-National Academy of Sciences. 945:45-51.

Jennings, Aaron A.

D.J. Kirkner, T.L. Theis and A.A. Jennings. 1984. Multicomponent Solute Transport with Sorption and Soluble Complexation. Advances in Water Resources 7(3):120-125.

Kirkner, David J.

D.J. Kirkner, T.L. Theis and A.A. Jennings. 1984. Multicomponent Solute Transport with Sorption and Soluble Complexation. Advances in Water Resources 7(3):120-125.

Theis, Thomas L.

D.J. Kirkner, T.L. Theis and A.A. Jennings. 1984. Multicomponent Solute Transport with Sorption and Soluble Complexation. Advances in Water Resources 7(3):120-125.

### Electrical Engineering

Nwokah, Osita D.I.

O.D.I. Nwokah. 1984. Composite Matrix Inverses and Generalized Gershgorin Sets. Mathematical Proceedings of the Cambridge Philosophical Society 95:267-276.

## COLLEGE OF BUSINESS ADMINISTRATION

### Management

Vecchio, Robert P.

R.P. Vecchio and B.C. Gobdel. 1984. The Vertical Dyad Linkage Model of Leadership: Problems and Prospects. Organizational Behavior and Human Performance 34:5-20.

### Marketing Management

Etzel, Michael J.

J.F. Gaski and M.J. Etzel. 1984. Collegiate Athletic Success and Alumni Generosity: Dispelling the Myth. Social Behavior and Personality 12(1):29-38.

Gaski, John J.

J.F. Gaski and M.J. Etzel. 1984. Collegiate Athletic Success and Alumni Generosity: Dispelling the Myth. Social Behavior and Personality 12(1):29-38.

## LAW SCHOOL

Ripple, Kenneth F.

K.F. Ripple. 1984. Preliminary Draft of Proposed Amendments to the Federal Rules of Appellate Procedure. Preliminary Draft of Proposed Amendments to the Federal Rules of Appellate Procedure, Federal Rules of Civil Procedure, Federal Rules of Criminal Procedure and Rules Governing Section 2254 Cases and Section 2255 Proceedings in the United States District Courts. Pages 1-10.

K.F. Ripple. 1984. Reply Brief for the Petitioners in 83-990, Grand Rapids v. Ball. Supreme Court of the United States. 20 pp.

## RADIATION LABORATORY

Das, Paritosh K.

C.V. Kumar, L. Qin and P.K. Das. 1984. Aromatic Thioketone Triplets and their Quenching Behaviour Towards Oxygen and

Di-t-butyl Nitroxy Radical. A Laser-Flash-Photolysis Study. Faraday Transactions 2(80):783-793.

Ebbesen, Thomas W.

C.M. Previtali and T.W. Ebbesen. 1984. Photophysics of Chlorobenzene in Cyclohexane. Journal of Photochemistry 27:9-15.

T.W. Ebbesen. 1984. Interference of H<sub>2</sub> with the Electron Transfer to Colloidal Pt Catalyst and Consequences for Photochemical Water Reduction. Journal of Physical Chemistry 88:4131-4135.

Ferraudi, Guillermo J.

G.J. Ferraudi and J.F. Endicott. 1984. Concerning the Alleged Efficiency of Photoaquation in the Ultraviolet Photolysis Bromo(pentammine)cobalt(III). The Journal of Physical Chemistry 88:4444-4446.

Previtali, Carlos M.

C.M. Previtali and T.W. Ebbesen. 1984. Photophysics of Chlorobenzene in Cyclohexane. Journal of Photochemistry 27:9-15.

## awards received

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Physics	W. Johnson	Relativistic Random-Phase Approximation	Natl. Sci. Fdn.	66,000 12
Civil Eng.	W. Gray	Model for Surface Flow Simulation	Natl. Sci. Fdn.	24,300 12
Chemistry	T. Nowak, P. Kramer	Guanine Complexes with PEP Carboxykinase	Natl. Inst. Health	17,736 12
Aerospace Mech. Eng.	K.T. Yang	Fellowship in Engineering	Whirlpool Corp.	16,650 11
Aerospace Mech. Eng.	T. Mueller, T. Ng	Transonic Biconvex Airfoil Experiments	Dept. Navy	31,061 8
Aerospace Mech. Eng.	T. Mueller	Separated Regions Occurring Near the Leading Edge of Airfoils	Natl. Aero. Space Admin.	46,999 12
Electrical Eng.	A. Michel	Qualitative Analysis of Large-Scale Dynamic Systems	Iowa State Univ.	1,075 11
Radiation Lab.	W. Huo	Electron-, Photon-, and Molecule-Molecule Collision Cross Sections	Natl. Aero. Space Admin.	72,830 12
Psychology	D. Anderson, C. Crowell	Behavior Management in Manufacturing	Electri-Wire Corp.	13,443 12
Chemical Eng.	M. McHugh	Special Topics in Thermodynamics	Exxon Chem. Co.	56,628 9
Chemical Eng.	M. McHugh	Battelle - University Distribution Award	Battelle Mem. Inst.	30,000 --
Aerospace Mech. Eng.	T. Mueller	Boundary Layer Characteristics on Low Reynolds Number Airfoils	Dept. Navy	145,718 24
AWARDS FOR OTHER PROGRAMS				
College Bus. Admin.	Reilly, Goslar, Ghiaseddin, Matta	IBM Program of Support for Education in Management of Information Systems	Intl. Bus. Machines	5,000 4

# proposals submitted

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH*				
Civil Eng.	S. Bang	Wick Drains in Consolidation	Natl. Sci. Fdn.	143,521 18
Psychology	C. Schellenbach, R. Ganey	Child Maltreatment	Children's Trust Fund	14,610 4
Theology	E. Ulrich	Dead Sea Scrolls	Natl. Endow. Humanities	303,674 26
Chemistry	G. Gellene	Photofragmentation Spectroscopy of the H <sub>3</sub> , ND <sub>4</sub> , and D <sub>3</sub> O Radicals	Research Corp.	54,736 12
Electrical Eng.	Y.F. Huang	Statistical Moments for Non-Gaussian Signal Detection	Dept. Navy	125,405 24
Law School	T. Phelps	Private Selves in Public Worlds	Rockefeller Fdn.	31,000 12
University Libraries	A. Masin, N. Crowe, D. Sporleder	Research and Cataloguing of Architectural Records	Council Lib. Resources	11,090 8
Aerospace Mech. Eng.	K.T. Yang	Three-Dimensional Convection- Thermal Interaction	Natl. Sci. Fdn.	127,390 12
Mathematics	W. Stoll	Several Complex Variables	Natl. Sci. Fdn.	93,428 12
Philosophy	A. Manier	Neurobiological Mechanisms of the Development of Vocal Communication	Rockefeller Fdn.	-- --
Lobund Lab.	T. Kingsley, M. Pollard	Hypertensive and Immune System Dysfunction in SHR	G. & L. Pfeiffer Res. Fdn.	80,444 24
Civil Eng.	M. Katona	Supplemental Grant for NSF Young Investigator Award Winner	Exxon Educ. Fdn.	29,533 12
Chemistry	J. Freeman	The Synthesis of Polycyclic Nitrogen Heterocycles	Amer. Chem. Society	178,969 36
Mathematics	B. Smyth	Minimal Surfaces	Natl. Sci. Fdn.	83,876 36
Earth Sciences	E. Winkler	Weathering Rates of Marbles and Limestones - A Computer Model	Environ. Prot. Agency	156,581 24
Psychology	Whitman, Johnston, Maxwell	Classroom Instruction and Individual Differences	Natl. Inst. Health	58,254 12
Marketing Management	J. Kennedy	Award Fee Contracts	Dept. Navy	88,413 8
Chemistry	J. Thomas	Photochemistry in Constrained Systems	Natl. Sci. Fdn.	396,407 36
Chemistry	A. Serianni	Anomerization of Furanose Sugars	Natl. Sci. Fdn.	269,526 36
Chemistry	A. Serianni	Nucleotide and Oligonucleotide Conformation	Natl. Sci. Fdn.	328,535 36
Biology	V. Martin	Development of a Multipotent Stem Cell, the Interstitial Cell	Natl. Sci. Fdn.	276,483 38
Physics	J. Sapirstein	Higher Order QED Calculations in Atomic Physics	Natl. Sci. Fdn.	43,957 36
Mathematics	J. Knight, M. Nadel	Model Theory	Natl. Sci. Fdn.	123,269 36

\*Does not include a \$14,824,934 proposal to NSF for a Hazardous Wastes Engineering Research Center.

Department or Office	Principal	Short title	Sponsor	Dollars Months
Biology	G. Craig	Factors Affecting Vector Competence in <i>Aedes triseriatus</i>	Natl. Inst. Health	274,972 12
Geront. Educ. Res., Serv.	J. Santos, R. Hubbard	Elderly Drug Abuse: Sex and Ethnic Influences	Natl. Inst. Health	127,054 12
Microbiology	P. Klebba	Structure/Function of Iron Regulated Membrane Proteins	Natl. Inst. Health	125,199 12
Psychology	D. Anderson, C. Crowell	Behavior Management, Coaching, and Productivity in Printing Organization	Donnelley Print. Co.	22,750 12
Chemical Eng.	M. McCready	Effect of Dominant Waves on Capillary Waves	Amer. Chem. Soc.	32,212 24
History	W. Nugent	Immigration 1880's	Natl. Inst. Health	112,356 18

PROPOSALS FOR FACILITIES AND EQUIPMENT

Music	P. Johnson, C. Bower	Computer Music Studio	Natl. Endow. Arts	39,571 12
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PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Philosophy	E. McMullin, V. McKim	Undergraduate Program in Science, Technology and Values	Natl. Endow. Humanities	568,826 36
Cent. Study Man	J. Samora	Graduate and Professional Fellowship for Hispanics	Dept. Education	231,487 12
Philosophy	M. Detlefsen	Scholar in Residence Program	Council Intl. Exchg. Scholars	31,807 10

PROPOSALS FOR OTHER PROGRAMS

Chemistry	T. Nowak, J. Eyzaguirre	Faculty Fellowship Program in the Basic Medical Sciences	Educ. Comm. Frngn. Med. Grad.	68,484 12
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## summary of awards received and proposals submitted

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	272,550	6	249,890	12	522,440
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	0	0	1	5,000	1	5,000
Total	6	272,550	7	254,890	13	527,440

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	980,610	24	2,733,034	29	3,713,644*
Facilities and Equipment	0	0	1	39,571	1	39,571
Instructional Programs	1	231,487	2	600,633	3	832,120
Service Programs	0	0	0	0	0	0
Other Programs	0	0	1	68,484	1	68,484
Total	6	1,212,097	28	3,441,722	34	4,653,819*

\*Does not include a \$14,824,934 proposal to NSF for a Hazardous Wastes Engineering Research Center.

## closing dates for selected sponsored programs

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

Information Circular Number	Agency	Programs	Application Closing Dates
SOCIAL SCIENCES			
FY85-275	International Research and Exchanges Board	Grants for Collaborative Activities and New Exchanges	January 31, 1985
FY85-276	International Research and Exchanges Board	Travel Grants for Senior Scholars	January 31, 1985
SCIENCE			
FY85-278	Department of Energy	1985 Energy-Related Research Opportunities	January 21, 1985
FY85-281	The McKnight Foundation	McKnight Scholars Award	January 2, 1985
FY85-283	National Research Council	Cooperative Research Associateships	January 15, 1985
FY85-279	National Science Foundation	U.S. - Japan Program of Cooperation Photoconversion and Photosynthesis	January 15, 1985
FY85-284	Polytechnic Institute of New York	Marconi International Fellowship	January 30, 1985
FY85-292	Stallone Fund for Autism Research	Research Projects in Autism	December 1, 1984
FY85-285	The Society of Nuclear Medicine	Pilot Research Grants in Nuclear Medicine	December 15, 1984
FY85-286	The Society of Nuclear Medicine	The Tetalman Award	March 1, 1985
ENGINEERING			
FY85-280	Jet Propulsion Laboratory	President's Fund Caltech - Cooperative Research with the Jet Propulsion Laboratory	January 2, 1985
GENERAL			
FY85-289	Florence V. Burden Foundation	Program Grants	January 1, 1985
FY85-290	National Research Council	Postdoctoral Fellowships for Minorities	January 16, 1985
FY85-282	National Research Council	Research Associateship Program - Postdoctoral and Resident Awards	January 16, 1985
FY85-291	National Trust for Historic Preservation	Preservation Services Fund Program	February 1, 1985
FY85-293	United States Steel Foundation, Inc.	Grants	January 15, 1985

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## notre dame report

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