

# notre dame report

---

## contents

### the university

- 515 Jerusalem is Site of 9th Overseas Program
- 515 Alumni Association Awards Announced
- 516 Center for Research in Banking Established
- 516 Gift to Fund Renovation of Art Department Facility
- 516 Payment Schedule for Summer Session Faculty

### faculty notes

- 517 Appointments
- 517 Honors
- 518 Activities

### documentation

- 522 Academic Council Minutes  
--March 12, 1985
- 524 Minutes of the 212th Graduate Council Meeting  
--February 6, 1985

### advanced studies

- 527 Information Circulars
- 527 --Humanities
- 528 --Social Sciences
- 528 Current Publications and Other Scholarly Works
- 530 Awards Received
- 531 Proposals Submitted
- 532 Summary of Awards Received and Proposals Submitted
- 532 Closing Dates for Selected Sponsored Programs

84-85

April 19, 1985

number 15

---

# the university

## jerusalem is site of 9th overseas program

The University will inaugurate a ninth overseas program for students next September when it opens its Ecumenical Institute in Jerusalem for undergraduate study. Fields included in the program are biblical studies; archaeology; Middle East history; comparative religions; Christianity, Judaism and Islam; and contemporary Arab/Israeli problems. Selected graduate students may also apply.

Professors from American, Canadian, Israeli and Arab universities will staff the program at Tantur, the site of Notre Dame's center for theological studies opened in 1972. Tantur is essentially a Christian community founded to explore the ecumenical initiatives of Vatican Council II and involving Catholics, Protestants, Orthodox and Anglicans. Landrum Bolling, former president of Indiana's Earlham College, will serve as director of the program.

Costs of the program, including room, board, tuition, round-trip airfare and field trips is approximately \$5,000 per semester, the same as students pay on the Notre Dame campus. Other Notre Dame students study in Austria, Italy, France, England, Ireland, Mexico, Japan and China.

## alumni association awards announced

Directors of the Alumni Association have named three graduates to receive outstanding service awards during 1985 events. Two South Bend residents will be honored and a Philadelphia graduate will receive the first William D. Reynolds Award for work with youth.

Jerome J. Crowley, a 1931 graduate, will receive the Rev. Edward Frederick Sorin Award for service to the University over the years. Chairman of the O'Brien Corporation, Crowley is a former Fellow of the Board of Trustees and a 1969 recipient of an honorary doctor of laws degree. Crowley will receive the award, named for the founder of Notre Dame, at the Reunion Banquet June 8.

James E. Murphy, associate vice president for University Relations, will receive the James Armstrong Award, named for the veteran executive director of the association between 1925 and his retirement in 1970. The award is presented each year during the reunion weekend to an employee of the University who has performed outstanding service to Notre Dame over the years.

Instituted last September, the William D. Reynolds Award honors a former president of the association who was directing activities of the Notre Dame Chicago Scholarship Foundation at the time of his death. It will be presented during halftime ceremonies of the Blue-Gold football game April 27 to Lawrence H. Wentz, vice president of Kindt, Kaye and Wentz Insurance Company in Philadelphia. The award will be given annually to a Notre Dame graduate who seeks to improve the quality of life for young people.

Vol. 14, No. 15

April 19, 1985

Notre Dame Report (USPS 7070-8000) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Department of Public Relations and Information. Second-class postage paid at Notre Dame, Ind. Postmaster: Please send address corrections to: Editor, Notre Dame Report, c/o Rm. 212, Administration Building, Notre Dame, IN 46556

© 1985 by the University of Notre Dame, Ind. 46556. All rights reserved.

## center for research in banking established

The College of Business Administration has established a Center for Research in Banking with funding from a group of 20 banks in Indiana.

Dr. Frank K. Reilly, dean of the College of Business Administration, will serve as one of the 12 members of an advisory board that will recommend research topics to come under the Center's study. In addition to a director, who is yet to be named, the advisory board will be composed of four business faculty members and six bankers from the sponsoring institutions.

In addition to sponsoring specific research projects proposed by the advisory board, the Center will also support faculty research at Notre Dame in banking-related areas such as monetary theory and investments.

## gift to fund renovation of art department facility

The University has received the first installment of a major gift from Allan, William and Gene Riley, all alumni of Notre Dame in the 1950's, in memory of their parents, Leo and Edna Riley. The Rileys' gift will be applied to the costs of converting the Old Chemistry Building into the Edna and Leo Riley Hall of Art and Design. The renovation of the building, which now houses the Department of Art, Art History and Design, was completed last year.

## payment schedule for summer session faculty

Notre Dame faculty teaching in the 1985 regular seven-week Summer Session will receive payment for their summer teaching duties according to the following schedules:

1. Those who receive their academic year salaries in 12 monthly payments will have 1/3 of the salary earned for summer teaching added to each of their pay checks for the months of June, July, and August.
2. Those who receive their academic year salaries in nine monthly payments will receive the salary earned for summer teaching in two equal checks issued on June 28 and July 31, 1985.
3. Payments for faculty teaching short courses and workshops will be issued on an individual basis.

# faculty notes

## appointments

Roger A. Schmitz, McCloskey dean of engineering and professor of chemical engineering, has been appointed Special Assistant to the Provost for Computing, effective July 1. He will continue to serve as dean of the College of Engineering. Provost Timothy O'Meara said that both the Computing Center and the Office of Information Systems will report to Schmitz, who will be responsible for all computer support to instruction, research and administration. He will chair the University Committee on Computing and work closely with the Executive Committee for Computing Policy.

## honors

Thomas P. Bergin, dean of continuing education and professor of management, received one of five Governor's Arts Awards at ceremonies in the State Capitol Rotunda Feb. 19. Bergin recently completed six years of service as a presidential appointee to the National Council for the Arts; in addition to numerous positions he has held for arts organizations at the national level, he has served as chairman of the Indiana Arts Commission and was for seven years a commissioner of that state arts agency.

Richard Burns, adjunct associate professor of English in the Arts and Letters London Program, has been appointed adviser to the sixth biennial Cambridge Poetry Festival, scheduled for June.

A solo exhibition of recent drawings and sculpture by Moiria Marti Geoffrion, associate professor of art, art history and design, was displayed at Zak's Gallery, Chicago, Ill., Feb. 22 - April 5.

Donald W. Kline, associate professor of psychology, has been invited to membership in the Working Group to Study Aging Workers and Visual Impairment by the Committee on Vision, National Research Council, National Academy of Sciences.

Catherine Mowry LaCugna, assistant professor of theology, has received a Theological Scholarship and Research Award from the Association of Theological Schools, and has been appointed a Resident Fellow for the Fall 1985 semester at the Institute for Ecumenical and Cultural Research, Collegeville, Minn.

Teresa Godwin Phelps, assistant professor in the Law School, has been appointed to the board of directors of the National Institute for Legal Writing.

Juan M. Rivera, assistant professor of accountancy, has been appointed a member of the American Accounting Association's Committee on Accounting in Developing Countries.

Charles M. Rosenberg, associate professor of art, art history and design, has been elected to the nominating committee of the Sixteenth Century Studies Society.

John F. Santos, professor of psychology and director of the GERAS Center, has recently been named to the editorial board of a new journal, "Psychology and Aging," that is being published by the American Psychological Association. This is the first journal specifically devoted to aging research and practice to be published by the APA.

Thomas J. Schlereth, professor of American Studies, has been elected to the board of trustees of the Margaret Strong Museum in Rochester, N.Y.

Robert H. Schuler, director of the Radiation Laboratory and professor of chemistry, has been named as the 1984-85 Sir C.V. Raman Visiting Professor at the University of Madras. This appointment honors the late Sir C.V. Raman, discoverer of the Raman effect in molecular spectroscopy for which he was awarded the Nobel Prize in 1935. Dr. Schuler is the 17th Raman Professor and the first to use Raman spectroscopy in his own researches. Previous recipients of this award include Nobel Laureates Sir Lawrence Bragg, Prof. Linus Pauling and Prof. Dorothy Hodgkins.

Rev. Patrick J. Sullivan, C.S.C., adjunct assistant professor of sociology, was recently elected to the board of trustees of Stonehill College, North Easton, Mass. The college was founded in 1947 by the Holy Cross Fathers and has been affiliated with the Congregation of Holy Cross ever since.

Eugene Ulrich, associate professor of theology, has been appointed to the newly reconstituted editorial board of The Catholic Biblical Quarterly Monograph Series. He had served on the previous board from 1979 to 1984.

## activities

Charles W. Allen, professor of metallurgical engineering and materials science, presented a seminar on "Analytical Electron Microscopy" at IBM Corporation, Endicott, N.Y., March 7. He also took part there in an "Intermetallics Roundtable" prior to the seminar.

Hafiz Atassi, professor of aerospace and mechanical engineering, co-chaired two technical sessions, "Component Vibrations" and "Fracture and Fatigue," at the International Gas-Turbine Conference held in Houston, Tex., March 17-21.

Louis J. Berzai, adjunct instructor in the Computer Applications Program of the College of Arts and Letters, gave a presentation to organize a nationwide fundraising campaign for the Data Processing Management Association (DPMA) Education Foundation at the group's executive council meeting in Houston, Tex., March 8-10. He also gave a talk on "Professionalism in DPMA" to the Lexington, Ky., DPMA chapter March 12. He serves as region vice president for the association.

Karen Buranskas, assistant professor of music, was invited to present a Cello Master Class at Yale University Jan. 29.

Richard Burns, adjunct associate professor of English in the Arts and Letters London Program, conducted "Poetry in Schools" visits to Lavendon County Combined School, Buckinghamshire, England, Jan. 22, Feb. 5, and March 6 as part of the first Buckinghamshire Festival of Literature. He gave benefit poetry writing workshops for children of striking Nottinghamshire coalminers at Blidworth Colliery Strike Centre Feb. 18 and at Sutton Strike Centre Feb. 19, and gave a benefit poetry reading Feb. 22 in the Old Library of Pembroke College, Cambridge, on behalf of striking miners. He gave a one-day workshop titled "The Writer's Craft" for the board of extramural studies at the University of Cambridge Feb. 23, and a "Poetry Carnival" workshop at Netherhall School, Cambridge, Feb. 25. He also gave a poetry reading at Pearse House, Bishops Stortford, Hertfordshire, March 8, and conducted two teacher-training courses titled "Children's Writing: Image and Imagination" at the Ipswich Teachers' Centre, Suffolk, March 14 and 18. He presented lectures for a course titled "Chemical Engineering and English Terminology" for the Czechoslovak Society of Industrial Chemistry in Zubri, Czechoslovakia, April 1-5.

Rev. David B. Burrell, C.S.C., professor of philosophy and theology, gave an address titled "Some Achievements of Thomas Aquinas" at a symposium on Maimonides, Aquinas and Luther in Caracas, Venezuela, March 11-13, sponsored by the Comité de Relaciones entre Iglesias y Sinagogas Establecidas en Venezuela.

George B. Craig, Jr., Clark professor of biology, presented a seminar to the Entomology Department at the University of Kentucky, Lexington, on "Mosquito-borne Arboviruses in the Midwest" April 11-12.

Charles Craypo, chairman and professor of economics, spoke on "Work and the Right to Employment" at a symposium on the U.S. Bishops' Pastoral Letter on Catholic Social Teaching and the U.S. Economy, held at Marquette University, Milwaukee, Wis., Feb. 22-23. He also served as a technical resource panel member for an "Employee Stock Ownership Plans Training Conference" held at the New York State School of Industrial and Labor Relations, Cornell University, Ithaca, N.Y., March 20-22.

James T. Cushing, professor of physics, delivered an invited paper on quantum mechanics and scientific realism at the Philadelphia Philosophy Symposium held at Villanova University March 16.

Anne Carson Daly, assistant professor of English, delivered an invited lecture, "The Human Person and Literature" as part of a Conference on the Human Person at Gannon University, Erie, Pa., March 20.

James F. Davis, visiting assistant professor of mathematics, has been named one of 30 recipients of fellowships in the mathematical sciences awarded by the National Science Foundation (NSF). Made through the NSF's Mathematical Sciences Post-doctoral Research Fellowship program, the awards allow recipients to choose the institution they believe will be most beneficial to the development of their scientific interests. Davis received his Ph.D. in 1982 from Stanford University.

Five drawings and five sculptures by Moiria Marti Geoffrion, associate professor of art, art history and design, were included in a group exhibition titled "Indiana Invitational" that was on display at Gallery Route One, Point Reyes Station, Calif., Feb. 8 - March 4. She also gave a public slide lecture on "Recent Developments in Geoffrion's Drawings and Sculptures" at the gallery Feb. 10. Two of her lithographs were included in "The Print Exchange" show at the University of Michigan's Cranbrook Academy, Bloomfield Hills, and the University of Washington, Seattle, and she gave a public slide lecture titled "Surface Design - Indian Textiles" for the Mishawaka Women's Club March 8.

Andre Goddu, assistant professor in the Program of Liberal Studies, and Carl Roberts of the sociology department at Iowa State University, have received an Interdisciplinary Research Program Stipend from Iowa State to complete a content analysis of exorcism accounts from the Acta Sanctorum.

A paper co-authored by Maureen T. Hallinan, William P. and Hazel B. White professor of sociology, and Ruy A. Teixeira, titled "Students' Interracial Friendships: Individual Characteristics, Structural Effects and Racial Differences," was presented at the annual meetings of the Midwest Sociological Association, St. Louis, Mo., April 8-12.

Eugene W. Henry, professor of electrical engineering, spoke on "Computer Graphics at the University of Notre Dame" as an invited panelist at the Seminar on Applied Business Graphics sponsored by the Michiana Chapter of the Association for Systems Management, at the Notre Dame Center for Continuing Education March 22.

Linda Lucas Hudgins, assistant professor of economics, presented the paper, "Incentives to Contract Economic Rents and Regulations in Fisheries" in a session on Industrial Organization at the annual meetings of the Southwestern Economics Association, Houston, Tex., March 20-23.

Rev. Charles Kannengiesser, S.J., Huisking professor of theology, gave a lecture on "Arians in the Current Debate" at the University of Quebec at Chicoutimi and at the University of Laval (Quebec), Canada, Feb. 14-15.

Marjorie Schreiber Kinsey, assistant professor of art, art history and design, presented a paper titled "Ary Scheffer: Revealed by Van Gogh" at the annual meeting of the Midwest Art History Society, held at Indiana University, Bloomington, March 21-23.

Edward A. Kline, chairman and professor of English and director of the Freshman Writing Program, chaired the session on "Writing Across the Curriculum: Faculty Development" at the Conference on College Composition and Communication, Minneapolis, Minn., March 22. He also served as an evaluator for a self-study conducted by the department of English at Marian College, Indianapolis, Ind., including an on-site visit March 26.

Donald P. Kommers, professor of law and of government and international studies, was a guest of the Brigham Young Law School, Provo, Utah, for a week in January, during which he led a faculty colloquium on "The Value of Comparative Constitutional Law" (Jan. 21), conducted a class on church-state relations in West Germany (Jan. 22), and delivered a major lecture titled "Liberty and Community in American and German Constitutional Law: The Abortion Cases Revisited" (Jan. 24). Dr. Kommers also delivered a lecture on West Germany's Federal Constitutional Court at the invitation of the American Institute for Contemporary German Studies in the Graduate School of International Relations of Johns Hopkins University, Washington, D.C., March 18. Prof. Dr. Ernst Benda, former president of the Federal Constitutional Court, responded to his remarks.

Catherine Mowry LaCugna, assistant professor of theology, lectured on "Pluralism in Theology" at the Institute for Clergy Education April 17, and has received a Summer Research Stipend from the Notre Dame Institute for Scholarship in the Liberal Arts.

Jean Laporte, associate professor of theology, presented a paper on "The High Priest in the Philonic and Origenian Eucharistia" at the University Laval, Quebec, Canada, in October. He also attended a meeting of the board of directors of the B.I.B.P. (Patristic Bibliography Institute) as director of the United States branch during his visit to the university.

A Carrara marble statue of Brother Andre, the Holy Cross brother beatified by Pope John Paul II on May 23, 1982, has been copied in Italy from a clay model crafted by Rev. Anthony J. Lauck, C.S.C., Notre Dame sculptor and professor emeritus of art. Preparations for shipping the 1,000-pound, six-foot work of art to the campus for installation in Sacred Heart Church are now being completed.

Arnie Ludwig, director of the Executive Programs Division in the College of Business Administration, gave a talk titled "Empirical Observations on the Needs and Behavioral Characteristics of Entrepreneurs" to the Executive MBA class at the University of Illinois, Champaign, March 9.

John Matthias, professor of English, gave a reading from his poetry at the Chicago Poetry Festival, held at Loyola University March 20.

Rev. John Allyn Melloh, S.M., associate professional specialist in the Center for Pastoral and Social Ministry and coordinator of the John S. Marten Program in Homiletics and Liturgics, gave the keynote address, titled "Liturgy: Basis for Spirituality," for the elected representatives of the Archdiocesan Pastoral Council in the Diocese of Detroit, Mich., Feb. 28. He led a workshop on "Leading the Assembly in Prayer" for the priests and Bishop of St. Catharine's Diocese, Ontario, Canada, March 11-12, and met with the Pastoral Care Unit of St. Joseph's Medical Center, South Bend, Feb. 14 and March 14 for theological reflection on a case study at the hospital. He has most recently

been planning and arranging the music for the Triduum celebration at Holy Cross Parish, South Bend.

Kevin M. Misiewicz, associate professor of accountancy and Arthur Young Faculty Fellow in Taxation, organized and chaired a session on "The Integration of Microcomputers into Tax Accounting Education" at the 1985 Midwest Regional Meeting of the American Accounting Association, held in Chicago March 28.

Asokendu Mozumder, associate faculty fellow in chemistry (Radiation Laboratory), gave an invited lecture on "Electron Moderation and Thermalization in Gaseous and Condensed Media" for the Indian Association for the Cultivation of Science, Jadavpur, Calcutta, India, Feb. 16. He also gave a lecture titled "Radiation Physics and Radiation Chemistry: An Overview" at the National Physical Laboratory, New Delhi, India, March 1, and one on "Theoretical Aspects of Radiation Chemistry" for the School of Chemistry, Central University, Hyderabad, India, March 14.

Leonard E. Munstermann, assistant faculty fellow in biology, presented a paper titled "Biochemical Systematics As Applied to the Aedes (Ochlerotatus) Group of Species" at a meeting of the American Mosquito Control Association, Atlantic City, N.J., March 19.

Terry Ng, assistant professor of aerospace and mechanical engineering, presented "LDV Measurements in a Transonic Wind Tunnel" at a mini-workshop on the Development and Application of Wind Tunnel Seeding Systems for Laser Velocimeters, held at NASA Headquarters, Norfolk, Va., March 18-19.

Rev. Edward D. O'Connor, C.S.C., associate professor of theology, gave the following lectures in March: "The Mid-Life Crisis, Religiously Considered," "Prayer of Petition," and "Prayer of Listening," for the Diocesan Pastoral Center, Wheeling, W.Va., March 8-10; "Growth in Prayer," at St. Hedwig's Center, South Bend, March 23, and "Dom Stefano Gabbi and the Marian Movement of Priests" for the Serra Club, South Bend, March 23.

Rev. Thomas O'Meara, O.P., professor of theology, presented "Seminary and M.Div. Program in a University Setting" in a consultation for the College of St. Thomas and St. Paul Seminary, St. Paul, Minn., April 15.

Leonard Orr, assistant professor of English, delivered a paper titled "An Outline of Troubadour Aesthetics" at the Fifth Citadel Conference on Language and Literature: Medieval and Renaissance, Charleston, S.C., March 14-16.

Teresa Godwin Phelps, assistant professor in the Law School, gave a presentation titled "The Case File Method of Teaching Legal Writing" at the annual convention of the Conference on College Composition and Communication in Minneapolis, Minn., March 21. She also chaired a session at the conference on "Current Research in Legal Rhetoric."

Mark C. Pilkinton, chairman and associate professor of communication and theatre, delivered an invited

paper titled "New Information on the Play House in Wine Street, Bristol" at the Shakespeare Association of America annual conference in Nashville, Tenn., March 22.

Frank K. Reilly, dean and Bernard J. Hank professor of business administration, presided over the annual meeting of the Financial Management Association Oct. 9-14 in Toronto, Ontario, Canada, as president of the Association. He was also chairman of the nominating committee for the Eastern Finance Association that convened at the FMA meeting.

Charles M. Rosenberg, associate professor of art, art history and design, presented "Este Patronage of the Art of Book Illumination in the Fifteenth Century" at the National Conference of the Renaissance Society of America, The Huntington Library, Los Angeles, Calif., March 22.

Konrad Schaum, professor of modern and classical languages, gave an invited lecture on "Psychology and Ethics in Austrian Drama: Grillparzer, Schnitzler, Hofmannsthal" at Bucknell University, Lewisburg, Pa., March 18.

Robert H. Schuler, professor of chemistry and director of the Radiation Laboratory, delivered a series of six lectures on "Time Resolved Studies of Transient Radicals" at the University of Madras, India, from Jan. 21 - Feb. 7 as the 1984-85 Sir C.V. Raman Visiting Professor. He also was the honorary chairman of the National Symposium on "Advances in Photochemistry" held at Anna University in Madras Feb. 9-11, and gave the keynote address to the symposium. While in India he gave seminars on his researches at the Tata Institute of Fundamental Research in Bombay, the Bhabha Atomic Research Center in Trombay, the Indian Institute of Science in Bangalore and the Indian Institute of Technology in Madras.

Anthony M. Trozzolo, Huisking professor of chemistry, presented an invited lecture titled "Solid-State Photochemistry of 3-Membered Heterocycles" at the Merck, Sharp & Dohme Research Laboratories, Rahway, N.J., March 29.

Kathleen J. Turner, assistant professor of communication and theatre, moderated a panel on the role of spirituals in the civil rights movement of the 1960s at a conference on "Revisioning America" sponsored by the Project on Religion and the Life of the Nation, Indianapolis, Ind., March 29. She also presented a paper, "Waist Deep in the Big Muddy: The Music of the Vietnam War," at the Central States Speech Association Convention in Indianapolis April 5.

Arvind Varma, chairman and professor of chemical engineering, presented a paper titled "Optimal Catalyst Activity Profiles in Pellets" at the Ninth North American Meeting of the Catalysis Society held in Houston, Tex., March 17-21. This paper was co-authored with doctoral students R. Chemburkar, C.K. Lee and M. Morbidelli. He also co-authored the paper "Reactions of C<sub>3</sub>H<sub>6</sub>, NO, O<sub>2</sub> and H<sub>2</sub>O over a Platinum Catalyst," presented at the meeting by doctoral student M. Kosanovich.

Forty-two paintings and twenty-one ceramics by Donald G. Vogl, associate professor of art, art history and design, are featured in a one-man faculty show titled "New Works" at the Snite Museum of Art, on display March 24 - June 30.

F. Ellen Weaver, associate professional specialist, assistant chairwoman and collegiate director of theology, was an invited participant at a conference on the mission of the Christian college at the end of the 20th century at Valparaiso (Ind.) University, March 29-30. She also presented a paper, "For the Laity, Even Women: Antoine Arnauld's Defense of Translations of Scripture and Liturgy," at a meeting of the College Theology Society at Newport, R.I., May 30 - June 2.

John A. Weber, associate professor of marketing, addressed local executives at the Forum in International Business sponsored by the College of Business Administration March 7. His topic was "Growth Opportunities in the International Marketplace."

Rev. James F. White, professor of theology, gave a workshop for the Women's Division, Global Ministries, Madison, Wis., March 16-17 on "Junk Food and Nutrition in Worship." He also presented a workshop, "What's New About the New Ritual," for the Jacksonville, Fla., district of the United Methodist Church March 23.

Patricia L. Wismer, assistant professor of theology, gave a lecture on "The Women Around Jesus: Then and Now," for Women's Week at DePauw University, Greencastle, Ind., March 13.

Eduardo E. Wolf, associate professor of chemical engineering, presented a paper titled "Transient FTIR Studies of Ethylene Oxidation on Pt/SiO<sub>2</sub>" at the Ninth North American Meeting of the Catalysis Society, Houston, Tex., March 17-21.

Frederick D. Wright, assistant professor of government and international studies and director of the Black Studies Program, chaired a panel on "The Politics of Minority Congressional Districts" at the meeting of the Southwest Political Science Association in Houston, Tex., March 20-23.



# documen- tation

---

## minutes of the academic council meeting march 12, 1985

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

2) The Provost introduced the first item on the agenda, Proposal for the Merger of the Departments of Biology and Microbiology. He offered the podium to Dean Castellino who gave a short history of the two departments, speaking of the importance of molecular biology and current growth in both biology and microbiology. He pointed out that at the present time the two departments share library facilities, teaching assignments, and research projects. The Dean then invited Charles Kulpa, a member of the Merger Committee, to speak on the matter from the faculty perspective. Professor Kulpa described the procedure of the Merger Committee and their thorough investigation of all faculty views on this idea. He pointed out that the microbiologists expressed some concern about the loss of the undergraduate majors through such a move. As a result, much attention was paid to this matter and the Merger Committee was able to report overwhelming faculty support for the proposed union of the two departments. The question of the College Council vote was posed and Dean Castellino reported that there had been discussion but no vote. Father Hesburgh suggested that the Academic Council move forward with its consideration and vote on the matter, contingent upon the approval of the Science College Council. A question of terminology used in the Merger Committee's statement having been satisfactorily answered, it was then moved and seconded that the Departments of Biology and Microbiology be merged. The motion passed unanimously by a voice vote.

3) Father Hesburgh asked Father Malloy to continue the discussion of the Curriculum Committee Report. Before opening the floor to discussion, Father Malloy recalled the recommendation of the Executive Committee regarding procedure: tentative voting on the parts of the Curriculum Committee Report followed by a vote on the total report. This would allow the curricular action to be seen as a total package.

Father Malloy then turned to the issue of academic counseling, p. 138 of the Curriculum Committee Report. He drew attention to the recommendation of the committee about the establishment of a University Counseling Office. He indicated that a positive response had been received from Student Government on the whole issue of academic counseling and that the recommendation for a central office had developed from a proposal submitted by the Counseling and Psychological Services Center. Extensive discussion followed on the role of such a center, on the need for continued counseling through the individual Colleges, on the difference between career counseling and academic counseling, and on the relationship of the whole issue of academic counseling to the "reasonable ratio" of advisees to advisors and students to faculty. In the course of the discussion, the deans of each of the Colleges clarified the system of counseling used within their units. Students and faculty alike adverted to the relationship of the issue of counseling to that

of class size. Arguments were put forth on both sides of this point with special reference to the academic counseling available in the Freshman Year as well as to the current system of handling classes in that year which results in a number of large lecture courses. Continued discussion focussed upon the effectiveness of excellent teachers in large sections, the use of teaching assistants in smaller sections, the differing abilities of teachers to know their students well, whether in large or small classes. The general importance of sound continual academic counseling throughout the undergraduate years was acknowledged by many speakers. Father Malloy then reiterated the nature of the committee's recommendations, one of which dealt with the establishment of a center and the second of which was more hortatory in nature. George Howard summarized the intention of the committee in making these recommendations as one of deep concern for the matter of academic counseling on this campus. Father Hesburgh reminded the Council members about the possibility of utilizing senior students in the counseling of younger members of the student body and also called upon the College councils, the deans, and the department chairpersons to address the issue on a regular basis.

Father Malloy then moved to the discussion of professionalism and pointed out its relationship to the matter of academic counseling as it had been alluded to in the previous discussion. He briefly reviewed the thinking of the Curriculum Committee in recommending the two additional University requirements as a means of combatting the growing emphasis on professionalism as perceived in the current curricular requirements. The deans of each of the Colleges spoke to the percentage of Arts and Letters courses which their junior and senior students were able to incorporate into their programs. Also pointed out was the imbalance of the curriculum of the students in the College of Arts and Letters vis-a-vis Science and/or other professional kinds of courses. The discussion also touched upon general philosophical attitudes about the meaning of a liberal education in the modern world.

Father Malloy then introduced the next item in the report, Quality of Undergraduate Intellectual Life, and remarked that the focus of this section was on the role of the Office of Student Affairs in the intellectual life of the students. He commented upon the changing nature of hall staff over the years, their disciplinary role, their changing lifestyles as required by late hours of students, etc. At this time Father Malloy also made special comments about the report from the student subcommittee attached to the Curriculum Committee Report and he highlighted the main student concerns. Bruce Lohman added to Father Malloy's remarks by emphasizing the importance of small classes and presented some statistics on class size based on figures from the Dean of Administration's Office. Questions were raised regarding the accuracy and completeness of these figures. Discussion ensued about other factors bearing upon student intellectual life, such as the importance of self-motivation among students, the availability on campus of activities of a cultural and educational sort, the carryover between classroom learning and leisure in student life, etc. Questions were also asked about the intellectual quality of students recruited by the University and the nature of secondary education from which most of them came. Professor O'Meara, addressing the issue of class size, gave an analysis of the sizes of classes offered by the various Colleges, commented on the academic value of a mix of large and small classes, and pointed to the reasonable proportion of large and small classes in the programs of most Notre Dame students. He mentioned that the College of Business Administration and the Department of Electrical Engineering at this time need more faculty in order to create more reasonable class sizes. He assured the Council that the matter was being monitored. George Howard commented that TCE's at Notre Dame reveal very little difference between large or small classes; this seems to indicate that Notre Dame has maximized its resources and has utilized excellent teachers in the large-class format.

Father Malloy moved then to the next issue in the report, Class Size, and remarked that this matter had had much attention already during the course of today's meeting. He opened the floor to further discussion which resulted in a few general remarks about the necessity of adverting to the problem, the importance of pursuing an ideal in teacher-student ratio, and the need to note the effect of large classes on the Freshman Year.

The next item on the agenda was the consideration of the time frame for Class Withdrawal. Father Malloy reported that the Freshman Year and the ROTC had both gone on record in favor of retaining the current deadline and that the Student Government opposed the proposal on the grounds of grade inflation. Arguments were put forth for both sides of this issue, the main points being that freshmen have difficulty evaluating their performance within a five-week period, that the adjustment to Notre Dame -- whether for freshmen or for transfers -- requires more time, that the dropping of a course in which a student is doing poor work can be academically advisable. Some found the linkage between poor grades and the dropping of courses unfortunate.

The next item on the agenda, Grade Inflation, had been indirectly addressed in much of the discussion in the course of the afternoon and there was no formal comment at this time.

The next issue, Cheating, in which the committee recommended the establishment of an honesty committee, received little discussion. It was pointed out that faculty must spend time constructing tests in order to minimize the possibility of cheating and that they must convey an attitude about the importance of honest attitudes toward all work. Professor O'Meara asked the members of the Council to consider, on the basis of their experiences in the classroom, whether the establishment of such a committee was called for at this time.

There being no further discussion, Father Malloy explained the next step in the procedure for acting on the Curriculum Committee's Report. He informed the group that all members would receive a copy of the items to be voted upon as well as a copy of the recommendation from the subcommittee on the curriculum of ROTC students in the College of Engineering. He reminded the group that this recommendation will only be applicable if the two courses to be added to the core curriculum as recommended by the Curriculum Committee are approved by the Academic Council. He also reminded the membership of the distribution of material by Kathleen Weigert and Don McNeill from the Center for Social Concerns regarding a recommendation on social concerns in the curriculum.

Father Hesburgh thanked all the members of the Curriculum Committee for their work and he further thanked all the members of the Academic Council for the quality and good nature of their discussions on the recommendations submitted by the committee. The meeting was adjourned at 5:50 p.m.

Respectfully submitted,

Isabel Charles  
Acting Secretary

## minutes of the 212th graduate council meeting february 6, 1985

The Council convened at 3:30 p.m. on Feb. 6, 1985. Members who were absent with excuse were Drs. Cornelius F. Delaney, Julia F. Knight, James P. Kohn, Charles F. Kulpa, Jr., Michael R. Welch and Thomas F. C. O'Meara.

### I. Minutes of the 211th Meeting

The minutes of the 211th Meeting were approved without change.

### II. Proposed New Degree Titles in Civil Engineering

The Chairman addressed the second item on the agenda, Proposed New Degree Titles in Civil Engineering. He reported that there are in the current academic year 10 students in the doctoral program and 25 in the master's program for a total of 35 graduate students. Of these 35 students, 19 are in the environmental engineering area and the remaining 16 in other areas of civil engineering. The department now proposes to retain the Master of Science in Civil Engineering degree, and to divide the Master of Science in Environmental Health Engineering into two master's degrees, the Master of Science in Environmental Engineering and the Master of Science in Bioengineering. Dean Roger A. Schmitz was invited to speak in support of the proposal. He informed the Council that there would be no change in existing courses and research efforts and that no additional resources would be necessary. The proposal to drop the word "Health" from the present degree title, Master of Science in Environmental Health Engineering, would more properly reflect the fact that no public health related courses have been offered in the department. The second new degree title, Master of Science in Bioengineering, would fit the growth of the department and would reflect existing efforts in the area of biological processes. Dean Schmitz reminded the Council of an earlier effort to propose a new multidisciplinary graduate program in bioengineering. This effort had failed for lack of support from the College of Engineering and the departments. The present proposal provides the best way for Notre Dame at this stage to formalize our interest in this emerging area. Dean Schmitz indicated that he and the College of Engineering strongly supported the proposal. Dean Francis J. Castellino joined Dean Schmitz in support of the proposal. He said that

interest and research efforts in new areas should be encouraged and that the College of Science was firmly behind the proposal. The Chairman concluded the discussion, noting that the proposal entailed a simple change in degree titles and that it was within the purview of the Graduate Council to act on it. He then called for a voice vote. The proposal was accepted unanimously.

### III. Proposed Teaching Award in the Graduate School

The Council was invited to discuss Dr. Michael J. Francis' suggestion (see his letter of Sept. 12, 1984) that a teaching award be established in the Graduate School. The general sense of the discussion, which followed the Chairman's opening remarks, was that graduate teaching deserves recognition, but the term "graduate teaching" should be considered broadly to encompass all aspects of teaching and not only classroom teaching. To facilitate the selection process, it was suggested that a four-year cycle of annual awards be envisioned, with the faculty in one of the four divisions in the Graduate School being considered in turn for an award each year. Another suggestion was made that a dissertation award also be established in the Graduate School. The Chairman then appointed a committee to consider the proposal and to report to the Council at its next meeting in April. This committee consisted of Dr. James Cushing, chairman, Dr. George Howard and Dr. Thomas Werge.

### IV. Chairman's Remarks

#### 1. Graduate Support Budget for FY 1986:

(a) Graduate stipends in FY 1986 will be increased eight percent and the FTE stipend will be \$5,400. Departments may adjust their stipends within the normal range of \$4,800 - \$7,500. We will continue to emphasize quality and to give priority of support to doctoral over master's students. Students on University support must maintain at least a B average in each semester.

(b) The tuition will also increase next year. The Graduate School will consider requests to cost-share tuition for special courses designed to meet the needs of in-service teachers in the Michiana area, or for other similar courses. There is a need to alleviate the burden of University support budget and the faculty is urged, whenever possible, to include support for students in their research proposals.

2. Master of Architecture Program: The Master of Architecture program will be formally inaugurated in April and launched this Fall. Brochures of information on the new program have been developed and are being mailed to selected schools and firms this month. We have already received a number of enquiries.

3. Applications: As of Feb. 1, we have received 974 applications for degree programs for Fall 1985 (an increase of 19 percent over last year). There has been, however, little departmental action on these applications to date. Departments are urged to make their decisions early. For Spring 1985 admission, a total of 260 applications have been received as compared to 230 a year earlier.

4. Jesse H. Jones Funds: The Research Fund (budgeted at \$85,000) had 29 applications, as compared to 12 last year. The Equipment Fund (\$50,000) had 21 applications, as compared to 6 last year. The Travel Fund (\$15,000) had 12 applications, of which 11 awards have been made (2 each to English, Modern Languages, Anthropology and Government; 1 each to Communication and Theatre, Art and Economics) and one pending (Economics). A total of \$10,500 has been spent to date. Dr. John R. O'Fallon will survey past recipients of Jesse H. Jones funds to evaluate the benefits they may have received from these grants. The results of this survey will be submitted to the sponsor.

5. Zahm Research Travel Fund: Budgeted at \$11,000 from the Zahm Endowment, this Fund has disbursed a total of \$6,600 to date in awards to three proposals from the Humanities, two from the Social Sciences and one from Science. There is a pending proposal from Engineering.

6. Health and Accident Insurance: Coverage of the present health and accident policy is inadequate and there has been some interest in improving this coverage. Insurance now is mandatory only for foreign students. Better policies may be available at more accessible rates to graduate students if the size of the insured population is sufficiently large. A number of graduate schools now require all students to have insurance coverage, and the question of mandatory insurance for all graduate students has been raised at Notre Dame.

7. Examination of English as a Foreign Language: This examination was given by the Department of English for the first time last November. Six candidates out of 12 passed the examination. The Chairman gave a brief description of the examination and grading criteria.

8. Litigation: The number of graduate students who have availed themselves of the appeal process has increased. The Chairman urged that established procedures be followed in all important decisions affecting students, especially in cases of dismissal or termination of support. Warning before a final decision is in order and communication should be clear and formal. If verbal warning is given, it should be followed by a letter to the student with a copy to the Graduate School. When, in doubt, departments should consult with the Graduate School.

9. Graduate Student Activity Fee: The Graduate Student Union for the last ten years has conducted a variety of activities for graduate students: orientation for new students, welcome party at the beginning of the school year, newsletter, travel grant program, monthly masses, etc. The Graduate School has provided partial support to some of these activities, but this support has been limited because there is no specific budget in the Graduate School for such activities and funds must be siphoned away from other programs. The Graduate Student Union itself has attempted to raise some income from membership fees but, since this has been carried out on a voluntary basis, this source of funding has been both small and unpredictable. To enable the Graduate School to support activities for advanced students, the University is now considering an annual activity fee of \$20 to be imposed on all degree-seeking graduate and MBA students, except students in the Executive MBA program, nonresident ABD's, members of the faculty, staff and their spouses. Although permission to proceed with the fee has been granted, the Graduate School will continue to consult with student representatives and the faculty on the matter. Following the Chairman's remarks, a discussion took place. Council members in general were in support of the fee. The Chairman suggested that the GSU probe department representatives further for reaction to the fee and report the feedback to him.

#### V. Other Business

There being no other business, the meeting was adjourned at 5:00 p.m.

# advanced studies

---

## information circulars

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

## humanities

### General Services Administration Records Program

No. FY85-443

#### Program:

Grants will be awarded to preserve and make available for use records generated in every fact of life that further an understanding of American history, to advance the state of the art, to promote cooperative efforts among institutions and organizations, and to improve the knowledge, performance, and professional skills of those who work with historical records. Initial priority will go to projects designed to salvage or save from imminent destruction records of undoubted historical value that may be lost irretrievably if immediate action is not taken to preserve them. Generally projects should fall in the following categories: 1) Survey and Accessioning Projects; 2) Preservation and Reproduction Projects; 3) Records Use Projects; 4) Archival Techniques Projects; and 5) Feasibility Projects. Eligibility is limited to nonprofit organizations and institutions, states, and local government agencies. Grants may be on a matching basis or for the entire cost. Proposals for matching grants will be preferred.

#### Deadline:

June 1 and October 1, 1985, February 1, 1986

#### For Further Information Contact:

General Services Administration  
National Archives and Records Service  
National Historical Publications and  
Records Commission  
Records Program  
National Archives Building  
Washington, DC 20408  
(202) 724-1616

(From 1985 ARIS)

### National Endowment for the Humanities Research Resources Program

No. FY85-444

#### Program:

This program supports projects that provide access to sources for advanced research in the humanities. Funding is available for the arrangement and description of archival and manuscript collections, for cataloging special collections of printed and non-textual materials, and for the preparation of bibliographies, surveys, and guides to sources. Support is also provided for projects that improve the ways in which humanities research resources are made available and for projects that address national conservation needs. Awards range from \$30,000 to \$150,000, depending on the nature and scope of the project. An institution making application to catalog, process, or create a finding aid for its own holdings is expected to contribute at least 40% as cost-sharing. Other projects which do not so directly benefit the applicant institution are expected to embody cost-sharing of 20%. Unaffiliated individuals are not asked to provide formal cost-sharing. Additionally, small grants of up to \$1,000 are available to provide consultants to institutions which lack sufficient in-house expertise.

#### Deadline:

June 1, 1985

#### For Further Information Contact:

National Endowment for the Humanities  
Division of Research Programs  
Research Resources Program  
Jeffrey Field  
Room 319  
1100 Pennsylvania Avenue NW  
Washington, DC 20506  
(202) 786-0204

(From 1985 ARIS)

## social sciences

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

General Services Administration  
Records Program  
No. FY85-443

## 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

#### Economics

- Kim, Kwan S.  
K.S. Kim and G. Turrubiate. 1984.  
Structures of Foreign Trade and Income  
Distribution -- the Case of Mexico.  
Journal of Development Economics 16(4):  
263-278.

#### English

- Werge, Thomas A.  
T.A. Werge. 1984. Part-time Employment  
in English at the University of Notre  
Dame. Pages 136-139 in, M.E. Wallace,  
ed., Part-time Academic Employment  
in the Humanities. Modern Language  
Association of America, New York.

#### Modern and Classical Languages

- Welle, John P.  
J.P. Welle. 1985. Review of C. Pennanti's,  
Sotteso blu. World Literature Today  
59(1):77.

#### Music

- Klugherz, Laura J.  
L.J. Klugherz. 1985. Solo performance,  
with the South Bend Symphony Orchestra.  
Brandenburg Concerto No. 5 by J.S. Bach.  
Indiana University at South Bend Audi-  
torium, South Bend, Indiana.  
L.J. Klugherz. Performance (violin),  
with the Notre Dame Faculty Trio. The  
works of G. Faure and P. Tchaikowsky.  
Annenberg Auditorium of the The Snite  
Museum of Art, University of Notre Dame,  
Notre Dame, Indiana.

#### Philosophy

- McMullin, Ernan  
E. McMullin. 1985. Review of Certain  
Philosophical Questions: Newton's  
Trinity Notebook. Isis 75:761-762.

#### Program of Liberal Studies

- Smith, Janet E.  
J.E. Smith. 1985. Review of G. Greer's,  
Sex and Destiny: The Politics of Human  
Fertility. Catholicism in Crisis 3(4):  
35-38.

#### Psychology

- Arndt, Stephan  
S. Arndt. 1984. The Failure of Gapping  
as a Robust Test in an Asymmetrical  
Distribution. American Statistical  
Association 1984 Proceedings of the  
Social Statistics Section. Pages 290-  
291.

#### Theology

- Burtchaeil, CSC, James T.  
J.T. Burtchaeil, CSC. 1985. For Better,  
For Worse: Sober Thoughts on Passionate  
Promises. Paulist Press, New York.  
151 pp.  
Krieg, CSC, Robert A.  
R.A. Krieg, CSC. 1984. The Crucified in

Rahner's Christology. The Irish Theological Quarterly 50:151-167.

## COLLEGE OF SCIENCE

### Chemistry

Castellino, Francis J.

H.S. Cummings and F.J. Castellino. 1985. A Monoclonal Antibody to the  $\epsilon$ -Aminocaproic Acid Binding Site on the Kringle 4 Region of Human Plasminogen That Accelerates the Activation of Glu<sub>1</sub>-Plasminogen by Urokinase. Archives of Biochemistry and Biophysics 136(2):612-618.

Creary, Xavier

X. Creary, S.R. McDonald and M.D. Eggers. 1985. On Carbonyl Participation in Solvolyses of  $\alpha$ -Keto Mesylates. Tetrahedron Letters 26(7):811-814.

X. Creary. 1985. Carbocationic and Related Processes in Reactions of  $\alpha$ -Keto Mesylates and Triflates. Accounts of Chemical Research 18:3-8.

Fessenden, Richard W.

\*G.N.R. Tripathi, R.H. Schuler and R.W. Fessenden. 1985. Time-Resolved Resonance Raman Spectra of Dihalide Radical Anions in Aqueous Solution. Chemical Physics Letters 113(6):563-568.

Kozak, John J.

\*K.E. Miller and J.J. Kozak. 1985. Theory of Intramolecular Electron Transfer Reactions in Anion Radicals of Nitrobenzyl Halides. Journal of Physical Chemistry 89(3):401-403.

Schuler, Robert H.

\*G.N.R. Tripathi, R.H. Schuler and R.W. Fessenden. 1985. Time-Resolved Resonance Raman Spectra of Dihalide Radical Anions in Aqueous Solution. Chemical Physics Letters 113(6):563-568.

### Physics

Kolata, James J.

J. Kasagi, B. Remington, A. Galonsky, F. Haas, J.J. Kolata, L. Satkowiak, P.A. DeYoung, M. Xapsos, R. Racca and F.W. Prosser, Jr. 1985. Neutron Spectra and Level Density Parameters from the  $^{16}\text{O} + ^{12}\text{C}$  Fusion Reaction. Physical Review C 31:858-866.

## COLLEGE OF ENGINEERING

### Aerospace and Mechanical Engineering

Lucey, John W.

T. Wilkinson, J.W. Lucey, A.E. Miller and J. Lawler. 1984. Interactive Video-discs Utilizing Touch Sensitive Screens. Proceedings of Third Annual Conference Applying New Technology in Higher Education. Fort Worth, Texas. 14:438-452.

-----  
\*Under the Radiation Laboratory  
-----

Nelson, Robert C.

R.C. Nelson. 1985. Flow Visualization of High Angle of Attack Vortex Wake Structures. AIAA 23rd Aerospace Sciences Meeting. Reno, Nevada. Pages 1-10.

F.M. Payne and R.C. Nelson. 1985. Aerodynamic Characteristics of an Airfoil in a Nonuniform Wind Profile. Journal of Aircraft 22(1):5-10.

### Civil Engineering

Jennings, Aaron A.

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

Kirkner, David J.

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

Theis, Thomas L.

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

### Metallurgical Engineering and Materials Science

Miller, Albert E.

T. Wilkinson, J.W. Lucey, A.E. Miller and J. Lawler. 1984. Interactive Video-discs Utilizing Touch Sensitive Screens. Proceedings of Third Annual Conference Applying New Technology in Higher Education. Fort Worth, Texas. 14:438-452.

## COLLEGE OF BUSINESS ADMINISTRATION

### Management

Houck, John W.

J.W. Houck. 1984. U.S. Trade with Developing Countries. Pages 221-232 in, J.W. Houck and O.F. Williams, CSC, eds., Catholic Social Teaching and the U.S. Economy: Working Papers for a Bishops' Pastoral. University Press of America, Washington, D.C.

J.W. Houck. 1984. Cooperation Priorities and Planning for the U.S. Economy. Pages 317-329 in, J.W. Houck and O.F. Williams, CSC, eds., Catholic Social Teaching and the U.S. Economy: Working Papers for a Bishop's Pastoral. University Press of America, Washington, D.C.

## CENTER FOR THE STUDY OF MAN IN CONTEMPORARY SOCIETY

### Center for Gerontological Education, Research, and Services

McIntosh, John L.

J.L. McIntosh. 1985. Research on Suicide: A Bibliography. Greenwood Press, Westport, Connecticut. 323 pp.



# RADIATION LABORATORY

Das, Paritosh K.  
S.K. Chattopadhyay, C.V. Kumar and P.K. Das. 1985. Photoprocesses in Di-phenylpolyenes. 3. Efficiency of Singlet Oxygen Generation from Oxygen Quenching of Polyene Singlets and Triplets. Journal of Physical Chemistry 89:670.  
Huo, Winifred M.

W.M. Huo, K.P. Gross and R.L. McKenzie. 1985. Optical Stark Effect in the Two-Photon Spectrum of NO. Physical Review Letters 54:1012.  
Tripathi, G.N.R.  
G.N.R. Tripathi, R.H. Schuler and R.W. Fessenden. 1985. Time-Resolved Resonance Raman Spectra of Dihalide Radical Anions in Aqueous Solution. Chemical Physics Letters 113(6):563-568.

## awards received

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Lobund Lab.	M. Pollard	Research in Aging and the Prolongation of Life	Retirement Res. Fdtn.	100,000 12
Aerospace Mech. Eng.	A. Cain, T. Akai, T. Mueller	Modelling a Leading Edge Separation Bubble	Natl. Aero. Space Admin.	44,307 12
Psychology	J. Borkowski, S. Maxwell	Causes and Consequences of Children's Metamemory	Natl. Inst. Health	70,944 12
Aerospace Mech. Eng.	H. Atassi	Aerodynamics of Advanced Turboprops	Natl. Aero. Space Admin.	29,689 12
Chemistry	M. Chetcuti	The Chemistry of Mixed-Metal Dinuclear Species	Research Corp.	15,829 24
Chemistry	G. Gellene	Photofragmentation Spectroscopy of the H <sub>3</sub> , ND <sub>4</sub> , and D <sub>3</sub> O Radicals	Research Corp.	15,000 12
Microbiology	C. Kulpa	Pilot Plant Studies	Occidental Chem. Corp.	25,000 12
Chemistry	T. Fehlner	Metallaboranes	Natl. Sci. Fdtn.	96,000 6
Chemistry	S. Basu	Glycolipid Metabolism in Tumor and Transformed Cells	Natl. Inst. Health	94,130 12
Mathematics	W. Stoll	Several Complex Variables	Natl. Sci. Fdtn.	48,300 12
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education	---	4,959 --
Inst. Past. Soc. Min.	J. Gremillion	Institute for Pastoral and Social Ministry	---	8 --
Inst. Past. Soc. Min.	S. Kelly	Programs for Church Leaders	---	3,744 --
Inst. Past. Soc. Min.	J. Melloh	Notre Dame Center for Pastoral Liturgy	---	13,366 --
Inst. Past. Soc. Min.	J. Melloh	Notre Dame Center for Pastoral Liturgy-Publications	---	1,007 --
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education Reunion	---	25 --
Biology	P. Grimstad	Arbovirus Surveillance Laboratory Service	Ind. St. Bd. Health	14,779 7
AWARDS FOR OTHER PROGRAMS				
Prog. Lib. Studies	S. Youens	Summer Stipend	Natl. Endow. Humanities	3,000 2

# proposals submitted

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH*				
Physics	V. Kenney, N. Biswas	Experimental Elementary Particle Physics Using	Natl. Sci. Fdn.	248,670 12
History	D. Murray	Chinese Maritime Ecology	M.I. Bunting Inst.	2,500 3
Biology	J. Duman	Plant Antifreeze Proteins	Whitehall Fdn., Inc.	122,961 36
So.Bend Cent. Med. Educ.	K. Olson	Anatomy, Physiology and Metabolic Function of the Fish Gill	Natl. Sci. Fdn.	50,135 12
Physics	W. Shephard, N. Cason, R. Ruchti	Elementary Particle Physics: Fixed Target Experiments	Natl. Sci. Fdn.	398,510 12
Biology	M. Fuchs	Reproductive Physiology of <u>Aedes</u> Mosquitoes	Natl. Inst. Health	212,114 12
Philosophy	A. Manier	Interfield Explanation in Science	Natl. Endow. Humanities	47,619 24
Physics	S. Ruggiero	New High-Frequency Quantum-Well Devices	Dept. Navy	330,914 36
Metallurgical Eng.	T. Kose1	Erosion in Dual-Phase Microstructures	Martin Marietta Energy Sys., Inc.	90,283 12
Chemistry	F. Castellino, F. Scott	Plasminogen Activator	Amer. Heart Assocn.-Ind.	62,344 24
Sociology	M. Hallinan	Effects of Ability Grouping on Children's Social Development	Spencer Fdn.	73,864 12
Chemistry	F. Castellino, J. Whitefleet-Smith	Plasminogen Activator Genome	Amer. Heart Assocn.-Ind.	43,316 24
Chemistry	P. Helquist	New Methods in Synthetic Organic and Organometallic	Natl. Sci. Fdn.	479,181 36
Chemistry	F. Castellino, J. Radek	Plasminogen Streptokinase Interaction	Amer. Heart Assocn.-Ind.	72,400 24
Microbiology	M. Pollard, T. Kingsley	Effects of Antecedent Treatment for Hypertension in SHR	Amer. Heart Assocn.-Ind.	43,316 24
Civil Eng.	R. Irvine	Immobilized Enzyme Treatment of Xenobiotic Organic Compounds	Occidental Chem. Corp.	60,000 24
Psychology	J. Pryor	Sexual Harassment Proclivities in Males	Rockefeller Fdn.	57,847 36
Earth Sciences	E. Winkler	Acid Rain on Weathering Rates of Marble and Limestone	Natl. Sci. Fdn.	123,874 24
Biology	P. Diffley	EXO Antigens of African Trypanosomes	World Health Organ.	326,075 36
Psychology	D. Kline	Theory and Mechanisms in Visual Aging	Natl. Inst. Health	89,047 12
Physics	J. Dow	Vibrational Properties of III-V's	Dept. Air Force	286,558 36
Civil Eng.	S. Bang	Lateral Earth Pressures	Dept. Army	17,627 2
Civil Eng.	A. Jennings	Automated Environmental Review	Environ. Prot. Agency	39,239 6

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

Chemistry	P. Helquist	Carbocyclic Systems Via Iron Alkylidene Complexes	Amer. Chem. Soc.	109,603 36
-----------	-------------	--	---------------------	---------------

PROPOSALS FOR FACILITIES AND EQUIPMENT

Chemistry	R. Bottei	Improvement of Analytical Laboratories	Johnson Wax Fund	6,120 12
-----------	-----------	---	---------------------	-------------

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

English	E. Vasta	Medieval Idea of Romantic Love	Natl. Endow. Humanities	58,925 12
Psychology	J. Borkowski, T. Whitman	Research Training in Mental Retardation	Natl. Inst. Health	113,083 12
Civil Eng.	L. Ketchum	Wastewater Academic Training Grants	Environ. Prot. Agency	8,421 36

PROPOSALS FOR SERVICE PROGRAMS

Biology	P. Grimstad	Arbovirus Surveillance Laboratory Service	Ind. St. Bd. Health	19,311 7
---------	-------------	--	------------------------	-------------

## summary of awards received and proposals submitted

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	378,681	4	160,518	10	539,199
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	7	37,888	7	37,888
Other Programs	0	0	1	3,000	1	3,000
Total	6	378,681	12	201,406	18	580,087

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	1,198,362	17	2,189,635	24	3,387,997*
Facilities and Equipment	0	0	1	6,120	1	6,120
Instructional Programs	1	113,083	2	67,346	3	180,429
Service Programs	0	0	1	19,311	1	19,311
Other Programs	0	0	0	0	0	0
Total	8	1,311,445	21	2,282,412	29	3,593,857*

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

## 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
HUMANITIES			
FY85-443	General Services Administration	Records Program	June 1, 1985
FY85-444	National Endowment for the Humanities	Research Resources Program	June 1, 1985

DR. WILLIAM B. BERRY  
ASSISTANT DEAN  
COLLEGE OF ENGINEERING  
NOTRE DAME IN 46556

267

---

## notre dame report

An official publication of the University of Notre Dame, Department of Public Relations and Information. Individual copies are available in the Notre Dame Hammes Bookstore at 50 cents each. Mail subscriptions are \$10 per year. Back copies are available through the mail at 70 cents each.

Bernadette Zoss, Editor  
Barbara Stevens, Layout  
Publications and Graphic Services  
415 Administration Building  
Notre Dame, Ind. 46556  
(219) 239-5337

---