



Notre Dame

R E P O R T

Contents:

September 28, 1990

The University

- 37 *Link Named President of Notre Dame—Australia*
- 37 *Lizzadro Center Established*
- 37 *Code of Honor Governs All Students*

Faculty/Administrators' Notes

- 38 *Faculty Appointments*
- 38 *Faculty Honors*
- 39 *Faculty Activities*
- 41 *Administrators' Honors*

Documentation

- 42 *Minutes of the 234th Graduate Council Meeting
April 25, 1990*
- 46 *University Committee on Libraries
May 2, 1990*
- 46 *Correction to the Ethical Dimension of Education
at the University of Notre Dame*

The Graduate School

- 47 *Current Publications and
Other Scholarly Works*
- 51 *Awards Received and Proposals Submitted*
- 52 *Awards Received*
- 54 *Proposals Submitted*

3

1990-91

Link Named President of Notre Dame-Australia

David Link, dean of the Law School, has been named president of the newly established University of Notre Dame-Australia (NDA), that nation's first Catholic university. Link will serve both roles until July 1991, when he will begin a leave of absence from the Law School to take up residence in Fremantle, Western Australia, which will be the site of the NDA campus.

As the inaugural president of NDA, Link will be the university's chief academic officer and will be charged with developing a long-range plan to ensure the institution's academic quality and Catholic character. He was selected for the post in July by vote of the university's board of governors with the approval of its trustees.

Link, who has headed the Law School since 1975, is Notre Dame's longest serving dean and is second in seniority among American law deans. In his absence, professor of law Fernand N. Dutile will serve as acting dean.

NDA was officially established in July 1989 and will enroll its first students in January 1992. Notre Dame officials have served as consultants in the planning of the university, although there are no legal or financial ties between the two institutions. Notre Dame will continue to offer guidance to NDA during its formative years, and faculty and student interchanges will be a significant feature of the relationship.

A 1958 Notre Dame graduate, Link received his law degree from the University in 1961. After serving in the Kennedy Administration and becoming a senior partner in the Chicago law firm of Winston & Strawn, Link in 1970 joined the Law School faculty on leave from the firm. As dean he has continued to teach, concentrating on the ethics of the legal profession, international human rights and the rights of the poor and homeless. These same concerns are reflected in his community service activities. He is one of the founders of South Bend's Center for the Homeless, president of the Council of Providers for the Homeless, chairman of the Indiana State Ethics commission, and a board member of Justlife, a national organization espousing a consistent life ethic. Link also is an acknowledged authority in the fields of computers and the law and the economics of law practice and is the co-author of three major works on taxation.

Lizzadro Center Established

A research center to study the molecular structures of complex molecules, especially those of biological interest, has been established at the University by a 1933 alumnus, Dominique Lizzadro. The facility is under the direction of Anthony S. Serianni, associate professor of chemistry.

The Lizzadro Magnetic Resonance Research Center in the Nieuwland Science Hall features a state-of-the-art nuclear magnetic resonance spectrometer that enables researchers to obtain a three-dimensional picture of molecules in solution. Such a picture helps scientists to better understand the function and behavior of molecules within a system. While the research center was established specifically for biochemical studies, such as cancer research, it will be useful as well to researchers studying complex organic and inorganic molecules.

The Lizzadro Center was established with a \$500,000 gift from Dominique Lizzadro, who worked as an examiner for the Illinois Insurance Department before 1949 when he formed his own company in Oak Park, Ill. He retired as the company's president in 1985.

A native of Baragiano, Italy, Lizzadro received his bachelor's degree in business administration from Notre Dame. In his local community he is known for spearheading the renovation of many of Oak Park's older buildings. One of the structures, an office and shopping complex that contains his company's main offices, received an international architectural award for the restoration to its 1908 original condition.

Code of Honor Governs All Students

The "Academic Code of Honor" section on page 18 of the Fall 1990-91 Schedule of Courses booklet was printed in error. Beginning with the 1990-91 fall semester, all undergraduate students, *including seniors*, are governed by the code.

Faculty Notes

Appointments

The names of faculty appointed to head their University of Notre Dame academic departments have been announced by the University's provost, Timothy O'Meara.

They are:

- **Barbara Allen**, associate professor and chairperson of the Department of American Studies, College of Arts and Letters.
- **James O. Bellis**, associate professor and chairperson of the Department of Anthropology, College of Arts and Letters.
- **Daniel J. Costello Jr.**, professor and acting chairman of the Department of Computer Science and Engineering, College of Engineering.
- **Amitava Krishna Dutt**, professor and acting chairman of the Department of Economics, College of Arts and Letters.
- **Thomas J. Frecka**, Lizzadro professor and chairman of the Department of Accountancy, College of Business Administration.
- **Gary M. Gutting**, professor and chairperson of the Department of Philosophy, College of Arts and Letters.
- **William J. Kremer Jr.**, professor and acting chairperson for the fall semester of the Department of Art, Art History and Design, College of Arts and Letters.
- **Thomas A. Kselman**, associate professor and chairperson of the Department of History, College of Arts and Letters.
- **Khalil F. Matta**, associate professor and acting chairperson of the Department of Management, College of Business Administration.
- **Patrick E. Murphy**, professor and chairperson of the Department of Marketing, College of Business Administration.
- **Rev. James A. Rigert, C.S.C.**, associate professor and chairman of the Department of Earth Sciences, College of Science.

Errol Lawrence, access and retention specialist for Lilly, Lopez and Associates, an independent consulting firm in Princeton, N.J., has been appointed assistant dean of graduate admissions. He will be responsible for the recruitment and retention of minority graduate students. Lawrence was graduated from Bluffton College in Ohio in 1971. He holds a master's degree in sociology and a doctoral degree in education from Northwestern University. Before joining Lilly, Lopez and Associates, Lawrence worked at Rider College in Lawrenceville, N.J., as assistant dean and director of the educational opportunity program.

Honors

Joseph P. Bauer, professor of law, co-authored with E.W. Kintner the book *Federal Antitrust Law Volume 3*, which was cited five times by the U.S. Supreme Court in *Texaco v. Hasbrouck*, 110 S.Ct. 2535 (1990). An article titled "Schiavone: An Un-Fortune-Ate Illustration of the Supreme Court's Role As Interpreter of the Federal Rules of Civil Procedure," published in 1988 in the *Notre Dame Law Review*, was cited by the Federal Rules Advisory Committee in support of a proposed revision of FRCP Rule 15(c).

Lawrence Cunningham, professor of theology, was appointed to the nominations committee of the International Thomas Merton Society.

Stephen M. Hayes, associate librarian, was elected chairperson of the Publications Committee of the American Library Associations' Government Documents Round Table.

Tang Thanh Trai Le, professor of law, was elected to the executive committee of the American Association for the Comparative Study of Law in Montreal, Canada, Aug. 8.

Juan M. Rivera, associate professor of accountancy, was elected academic vice-president and president-elect of the International Accounting Section of the American Accounting Association during their 75th annual conference held in Toronto, Canada, Aug. 8-11.

James P. Sterba, professor of philosophy and faculty fellow in the Institute for International Peace Studies, was appointed a member of the editorial review board of the *Business Ethics Quarterly*, the journal of the Society for Business Ethics.

Kathleen Maas Weigert, associate professional specialist in the Center for Social Concerns and faculty fellow in the Institute for International Peace Studies, has been elected to a two-year term on the executive committee of the Peace Studies Association.

Kwang-tzu Yang, Hank professor of aerospace and mechanical engineering, has been appointed to the editorial advisory board of the *Journal of Energy, Heat and Mass Transfer* which is published by the Regional Centre for Energy, Heat and Mass Transfer for Asia and the Pacific, in India.

Faculty Notes

Activities

Panagiotis J. Antsaklis, professor of electrical engineering, presented two papers "Adaptive Control System Optimization for Vibration Control of Flexible Structures" and "An Introduction to Autonomous Control Systems" at the proceedings of the fifth IEEE international symposium on Intelligent Control held in Philadelphia, Pa., Sept. 5-7.

Jeffrey H. Bergstrand, assistant professor of finance and business economics, presented the paper "The Distribution of World Wealth and Equilibrium Theory of Exchange Rate Determination" co-authored with Ronald J. Balvers, assistant professor of finance and business economics, to the Research Department of the Federal Reserve Bank of Cleveland, Ohio, Aug. 21.

Joseph Blenkinsopp, O'Brien professor of theology, chaired the session on "Judah in the Persian Period" at the International Society of Biblical Literature meeting in Vienna, Austria, Aug. 7. He hosted the annual meeting of the Catholic Biblical Association at Notre Dame, Ind., Aug. 20-23.

Lawrence Cunningham, professor of theology, gave a lecture and discussion on the teaching of humanities and cultural literacy to the humanities faculty of Kean College in Union, N.J., May 30. He gave the paper "American Spirituality and Inculturation: Some Basic Reflections" and served as a panelist on a discussion of the Proposed Catechism for the Universal Church at the meeting of the Catholic Theological Society of America in San Francisco, Calif., June 9. Cunningham presented the invited paper "Imaging Christ in Contemporary Spirituality" and served as an invited respondent to two papers at the Villanova Theology Institute at Villanova University in Villanova, Pa., June 17-19. He gave five lectures on "Pater Noster as Prayer of the Church" at the Summer Seminar on Spirituality at Saint Mary's College in Notre Dame, Ind., June 25-29. He gave a presentation and led a discussion for a faculty seminar on the teaching of world cultures at the University of Evansville, Evansville, Ind., July 8.

Roberto DaMatta, Joyce professor of anthropology, and senior fellow in the Kellogg Institute, lectured on "Brazil Today: Anthropological Remarks" to students and professors at the Catholic University of Rio de Janeiro, Brazil, Aug. 14.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, presented a paper titled "Use of Structural Information for Turbulence Control" at the Boundary-Layer Structure workshop held at NASA-Langley in Hampton, Va., Aug. 28-30.

Kimberly A. Gray, assistant professor of civil engineering, served on the review panel for Small Business Innovation Research for the National Science Foundation in Washington, D.C., Aug. 30.

Christopher S. Hamlin, assistant professor of history, gave the seminar "The Uses of Concepts of Predisposing Causes in The Early Public Health Movement" to the Welcome Unit for the History of Medicine at the University of Oxford, Oxford, England, March 8. He gave the seminar "Edwin Chadwick and the Engineers: A Reassessment" to the Department of the History of Medicine at the University of London in London, England, May 30. He gave the invited address "From Knowledge to Action: Analyzing and Modeling the Environment" at the conference on Chemical Sciences in the Modern World at Philadelphia, Pa., May 19.

Jeffrey C. Kantor, associate professor of chemical engineering, presented the invited seminar "Symmetry and Structure in Process Control" to the Department of Chemical Engineering at Purdue University, West Lafayette, Ind., Sept. 7.

John G. Keane, Gillen dean of business administration and Korth professor of theology, gave the invited talk "The Census: Our National Treasure" at the 1990 meeting of the Forever Learning Institute in South Bend, Ind., March 28. He gave the invited address "The Nation's Census and You" at a meeting of the South Bend-Mishawaka Chamber of Commerce in South Bend, Ind., April 5. Keane presented "Strategically Marketing Our 1990 Bicentennial Census" at the annual meeting of the Academy of Marketing Science in New Orleans, La., April 26. He gave the invited talk "Statistical Literacy and the Media" at a meeting of the Associated Press Managing Editors in South Bend, Ind., May 5. He presented "Notre Dame's Business School Directions" at the business meeting of the Social Issues Management Division at the annual conference of the Academy of Management in San Francisco, Calif., Aug. 14.

Janet A. Kourany, adjunct associate professor of philosophy, presented the paper titled "Philosophy in a Different Voice" at the sixth international Social Philosophy Conference held at the University of Vermont in Burlington, Vt., Aug. 9-12.

Jay A. LaVerne, associate professional specialist in the Radiation Laboratory, presented the paper "The Radiolysis of Cyclohexane with ⁴He Ion" at the seventh Tihany symposium on Radiation Chemistry in Balatonszeplak, Hungary, Sept. 10-14.

Tang Thanh Trai Le, professor of law, gave a presentation on "Rent-To-Own, State and Federal Legislation" to the American Bar Association section of business law meeting in Chicago, Ill., Aug. 4. She also participated on a panel of the ABA Housing Finance subcommittee, Aug. 5.

Faculty Notes

Edward Manier, professor of philosophy, read "Walker Percy: Language, Neuropsychology and Moral Tradition" at the Dibner Institute international conference, So Human a Brain, Knowledge and Values in the Neurosciences, held at the Marine Biological Laboratory in Woods Hole, Mass., Aug. 2-5.

Rev. John A. Melloh, S.M., coordinator of the Marten Program in Homiletics and Liturgics and associate professional specialist in theology, gave a discussion on preaching and presiding with recently ordained Holy Cross priests at Moreau Seminary, Notre Dame, Ind., May 25. He presented the paper "Mary in the Advent/Christmas Liturgy: Liturgical Considerations" to the Mariological Society of America at the national meeting held in Providence, R.I., May 31. The paper will be published in the 1990 volume of *Marian Studies*. He presented "The New Order of Christian Funerals" at the 19th annual conference of the Notre Dame Center for Pastoral Liturgy in Notre Dame, Ind., June 19. He gave a lecture and discussion on "Preaching in the 1990s" at the conference Liturgy in Dialogue with the World sponsored by the Office of Divine Worship and National Association of Pastoral Musicians in Chicago, Ill., June 30. Melloh presented the paper "Vision and Challenge: Issues in Liturgical Music Today" to the symposium for Liturgists and Composers sponsored by the Archdiocese of Milwaukee, Wis., July 10.

Asokendu Mozumder, faculty fellow in the Radiation Laboratory, gave the paper "Distribution of Primary Ionization and Excitation in Water Radiolysis" at the seventh Tihany symposium on Radiation Chemistry in Balatonszeplak, Hungary, Sept. 10-14.

Rev. Thomas O'Meara, O.P., Warren professor of theology, spoke on "Priesthood and Ministry" at a Consultation with the Master General of the Dominican Order at the International Synod, 1990, at Santa Sabina in Rome, Italy, May 13-15.

Morris Pollard, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, presented a lecture covering "Diet Restriction, Longevity and Reduction of Prostate Cancer in Lobund-Wistar Rats" and was interviewed by research staff members of the Gerontology Research Center at the National Institute on Aging in Baltimore, Md., Aug. 14.

Kenneth F. Ripple, professor of law, presided at the National Moot Court Final Round and was a panelist on the question of appellate advocacy as a litigation specialization for the American Bar Association in Chicago, Ill., Aug. 2-9.

Thomas L. Shaffer, Short professor of law, preached at the Red Mass for judges and lawyers in Southwestern Virginia, and lectured and participated in a panel discussion on the tensions between religion and American law at Washington and Lee University in Lexington, Va., Sept. 1.

William D. Shephard, professor of physics, presented the paper titled "Some Lifetimes and Branching Ratios for Charmed Hadrons Produced in the Fermilab Wide-Band Photon Beam" at the 25th international conference on High Energy Physics in Singapore, Aug. 2-8.

James P. Sterba, professor of philosophy and faculty fellow in the Institute for International Peace Studies, presented a paper titled "The Foundations of Morality" at the University of Helsinki, Finland, May 24. He presented the paper titled "Peace of Justice" at a Soviet-American Conference on Peace sponsored by the Institute of Philosophy and the Institute of Public Law at Moscow, Russia, May 28-June 3. He gave a lecture titled "A Strategy for Getting the U.S. to Help the Baltics" at the University of Latvia, Riga, Latvia, June 6. He presented the plenary paper "Liberalism and Conceptions of the Good" at the sixth international Social Philosophy Conference held at the University of Vermont in Burlington, Vt., Aug. 19-12.

J. Kerry Thomas, Nieuwland professor of chemistry, presented four invited talks at the American Chemical Society meeting in Washington, D.C., Aug. 26-31. He presented "Pulsed Radiolysis Studies in Polymer Films" in the Polymer Division; "Surveying SiO₂ Surfaces with Probes"; "Photo Physical Studies of Colloidal Clays"; and "Photochemistry in Zeolite Systems." The last three talks were presented in the Iler Symposium of the Colloid Division. He also acted as a discussion leader in the Colloid Symposium.

Kathleen Maas Weigert, associate professional specialist in the Center for Social Concerns and faculty fellow in the Institute for International Peace Studies, served as an institute coordinator for the Notre Dame Interfaith Hunger Appeal Curriculum Development Institute "International Debt, Development and the Hungry" held at Notre Dame, Ind., June 15-18. Ninety-five faculty from around the country attended the institute.

Rev. Oliver F. Williams, C.S.C., associate provost and associate professor of management, presented "Public Service Ethics and Catholic Social Teaching" at the international conference on Public Service Ethics in Jerusalem, Israel, June 4. He gave "On Becoming Proactive in Regard to Faculty Ethics" at the annual meeting of the Academy of Management in San Francisco, Calif., Aug. 11. He gave the chairperson's address "Life on a Fault Line: The Challenge for Social Issues in Management" at that meeting, Aug. 14.

Administrators' Notes

Honors

Kitty Arnold, director of the Career and Placement Services, has been elected president-elect for the Midwest College Placement Association. She will assume the presidency in the 1991-92 academic year. The association is comprised of over 1,300 members who are either college career planning and placement professionals or corporate college relations representatives.

Marilyn Rice, assistant director of Career and Placement Services, is serving as the 1990-91 president of the Indiana Association of Women Deans, Administrators and Counselors.

Jeff Rice, assistant director of Career and Placement Services, has been elected to a three-year term on the Directorate of Commission VI Career Counseling and Placement of the American College Personnel Association. This commission has over 700 members nationwide.

Documentation

Minutes of the 234th Graduate Council Meeting April 25, 1990

Dr. Nathan O. Hatch opened the meeting at 3:30 p.m. on April 25, 1990, in Room 121 Hayes-Healy Center.

Members absent and excused: Dean Francis J. Castellino, replaced by Dr. John G. Duman; Dean John G. Keane; Dean Michael J. Loux, replaced by Dr. Roger B. Skurski; Dr. Vicki J. Martin; Dr. Dian H. Murray.

Guests of the council: Dr. Patrick F. Dunn; Dr. Thomas H. Kosel; Dr. Thomas J. Mueller; Dr. Wolfgang Porod.

I. Minutes of the 233rd Meeting

The minutes of the 233rd meeting were approved without change.

II. Materials Science and Engineering Review

Noting that final action on the Materials Science and Engineering review report had been deferred from the 231st meeting of the council, Dr. Hatch called on Dr. Anthony N. Michel, dean of the College of Engineering, to present the college's recent decisions on the reorganization of the Materials Science faculty.

Dr. Michel began by reminding the council that the recent restructuring of the college had entailed discontinuation of the Department of Materials Science and Engineering, addition of the Materials Science faculty to the Department of Electrical Engineering and relocation of some Electrical Engineering faculty in a new Department of Computer Science. In regard to Materials Science degree programs, two issues — critical mass of faculty and program focus — were paramount. Critical mass of faculty has been resolved by combining the Materials Science faculty with certain Electrical Engineering faculty to form a group which constitutes approximately half the total faculty in the restructured Department of Electrical Engineering. Program focus will be achieved by concentrating on graduate degrees — the undergraduate major has been discontinued — and by developing a clear, although not exclusive, research emphasis in materials science as it relates to micro-electronics. To administer the graduate program and to promote materials science research, the college has established the Center for Materials Science and Engineering within the Department of Electrical Engineering. The center will have a budget approximately half the size of the former department plus three dedicated graduate assistantships. The director is Professor Thomas Kosel.

Dr. Kosel said many of the faculty would have preferred to remain within a strengthened Materials Science department, but since the addition of sufficient resources was not possible in the short term, the college's restructuring is accepted as an appropriate alternative. Within this framework, discontinuation of the undergraduate major was necessary. The issue of critical mass will be addressed by interaction with faculty in the Departments of Chemistry, Chemical Engineering and Physics, as well as with colleagues within the Department of Electrical Engineering. Program focus on electronic materials will be strengthened by the restructuring, as will opportunities for interdisciplinary activities, including team-taught courses.

Dr. Kenney, who had served as chairman of the Materials Science review committee, said the review had been difficult, with some pain for both the department and the college. He noted the committee had expressed concern about the fate of present graduate students, as well as those entering in the near future, before the focus on micro-electronics can be fully implemented. But was it necessary, he asked, for the council to make any recommendation on the materials science graduate program, since it no longer exists as a separate entity?

Dr. Michel asked if the review process sets out to review a department or its programs.

Dr. Hatch replied that it covers both.

Dr. Michel said a graduate program is not necessarily impaired by a reorganization of the faculty which supports it. He said also that he sympathizes with the difficulties some graduate students may encounter in the reorganization, but does not expect many will leave. Some present faculty will fit very well in the micro-electronics focus. Facilities and equipment will be adjusted as efficiently as possible to meet new needs.

Dr. Klein wondered about the possibility of a graduate program in the new Department of Computer Science.

Dr. Michel said there was presently no approval for such a program. The college would prefer to work first on developing an undergraduate major.

Dr. Varma noted that he agrees with the decision to discontinue the undergraduate major in materials science, since currently available faculty and resources are too small for both the major and a graduate program. In regard to the latter, he asked why, if the focus is on electronic materials, any graduate degree would not be in electrical engineering rather than materials science. Continuation of a materials science program will require faculty with materials science backgrounds, while degrees in electrical engineering would not.

Documentation

Dr. Michel said he did not see the difficulty. Faculty supporting the graduate program will be materials science faculty whose research interest is in electronic materials.

Dr. Varma replied that if the research interest in electronic materials sharpens, there is the possibility that the materials science component will fade into electrical engineering.

Dr. Hatch asked and was told by Dr. Michel that the graduate program's degrees will still be called the M.S. and Ph.D. in materials science. The program will be more sharply focused, not as broadly based as in the past, but the degree names will be the same.

Dr. Varma asked and was told by Dr. Kosel that the broader materials science courses will still be offered. A few will be dropped, but the graduate program will continue to require broad preparation in addition to specialization. Increasingly, specialization will be in electronic materials. In the meantime, current students should experience relatively little difficulty in the transition to the new research focus. It cannot be expected that every existing faculty member will begin doing new things immediately.

Dr. Miller said he wondered if the new graduate program will really be able to attract top students. There will be a limited pool, and foreign students may not regard graduation from a materials science program within an electrical engineering department as sufficiently prestigious. The output of degrees will probably remain the same. He said also that he agrees with Dr. Varma that drawing a distinction between a graduate program in materials science and one in electrical engineering may not be necessary.

Dr. Hatch said it was not the council's function to evaluate the college's new administrative structure. He called for a motion to approve the materials science graduate program, with reconsideration in 18 to 24 months.

Dr. Varma agreed, noting this would allow time for the new structure to work and hopefully answer some questions.

Dr. Michel asked and was told by Dr. Hatch that any reconsideration by the council would be informal.

Dr. Kenney offered the motion suggested by Dr. Hatch.

Dr. Kosel said an 18- to 24-month period before reconsideration might not be enough time.

Dr. Michel agreed. He also expressed surprise that Dr. Miller had raised the possibility of materials science being absorbed into the electrical engineering graduate program.

Dr. Hatch said 18 to 24 months should be enough time to get an idea of the situation.

Dr. Meara suggested that reconsideration might be based on something as simple as an annual report.

Dr. O'Connor raised the possibility of reconsideration within the framework of the Department of Electrical Engineering review. (The Electrical Engineering review will take place from September 1990 through December 1991.)

The question was called and the motion offered by Dr. Kenney passed.

III. Aerospace and Mechanical Engineering Review

Dr. Hatch called on Dr. Francis X. Connolly, chairman of the Aerospace and Mechanical Engineering review committee to present the committee's report.

Dr. Connolly said he presumed council members had read the report, which had been enclosed with materials for the present meeting. He then offered a brief summary based on the following five recommendations:

- 1) The department faculty and the college and University administrations should support the chairman's efforts to emphasize graduate education, research and the need for more external funding. The chairman should be careful to consult faculty on these matters at all appropriate times.
- 2) Two to five positions should be added to the department faculty.
- 3) The Mechanical Systems and Solid Mechanics group (MSSM), one of the department's three principal divisions, should develop a clearer focus.
- 4) Graduate students should be required to take more courses, some of which should be in other departments.
- 5) The University's accounting and purchasing systems should be improved insofar as they relate to department needs.

Dr. Hatch asked Dr. Thomas J. Mueller, chairman of the department, if he wished to comment.

Dr. Mueller said he found the external reviewer's reports quite good overall. He then made the following remarks on specific areas of concern:

- 1) The department's present configuration is the result of a merger some 20 years ago with the Engineering Science faculty. It is this group that has been fragmented in its research interests, because no more than two faculty have worked in similar research areas. New hires and retirements will bring change within three to five years.
- 2) The department's emphasis on research is not new; it has a history of at least 25 years.
- 3) The quality of the graduate students has been good, certainly sufficient for Ph.D. studies. The problem has been that the majority have wanted only the M.S.

Documentation

Recently, the department initiated new efforts to recruit Ph.D. students. Of 18 students entering in 1989-90, 16 are interested in the Ph.D.

- 4) The department has raised the course requirement for the Ph.D. from 30 to 39 credit hours, at least six of which must be taken in other departments. The 30-hour requirement was based on the practice of some departments here and at other schools. It was thought to be sufficient, and it was intended to allow more time for research by both students and faculty.
- 5) The department has adequate space in Fitzpatrick Hall. Upgrading of the Aerospace Laboratory — a separate facility — is underway.
- 6) The department does need additional resources for equipment. More proposals for external funding will help in this area.

Dr. Kim noted that the course requirement for the Ph.D. in the social sciences is much higher than 39 credit hours. He wondered if the AME level is common in engineering, and if it is really sufficient to put students in a good position to compete for jobs.

Dr. Mueller said it is more common than in other fields, and that a higher number would involve much repetition of material.

Dr. Kim asked what is required after completion of the M.S.

Dr. Mueller replied that a student must pass the Ph.D. candidacy exam, do two years of research and complete and successfully defend a dissertation.

Dr. Kim asked if the teaching load and the faculty/student ratio are low.

Dr. Mueller said they have not been, due to large numbers of undergraduates plus graduate students.

Dr. Michel said Dr. Mueller has done an outstanding job as chairman. He has taken the steps necessary for the department's development. Some excellent new faculty have been added, and enthusiasm for scholarly work has been rekindled.

Dr. Meara asked what percentage of the faculty have external funding.

Dr. Mueller said 10 of the 25 members of the Department have external funds. Another eight or nine are active in research but not funded.

Dr. Meara noted that therefore approximately 20 of 25 members are active in research. Are those without funding, she asked, attracting graduate students?

Dr. Mueller said some are. There are really only four or five members not actively engaged in research.

Dr. Hatch called for a motion to approve the final review report.

Dr. Cohn offered a motion to approve without notation for change in the department, but he withdrew the motion when Dr. Connolly said the statements of the reviewers do not warrant such unqualified approval.

Dr. Hatch said that approval without notation for change is usually applied to those few departments without much need for development.

Dr. Meara moved for approval *with* notation for change, and the motion passed unanimously.

IV. Report of the Committee on the Foreign Language Requirement

Dr. Hatch called on Dr. Albert E. Miller, chairman of the committee, to present the report.

(The committee's report was (appropriately) quite brief. Noting that the need for foreign language skills in scholarly work varies widely from discipline to discipline, it recommended:

- 1) "that the Graduate School transfer the authority to establish the form, function and administration of the foreign language requirement to the departments or programs," and
- 2) that all departments be required to inform the Graduate School each time the requirement is changed.

These recommendations were based on surveys of peer universities and Notre Dame's own academic departments. Assuming members of the council were familiar with the report, Dr. Miller called for discussion.

In response to a question, Dr. Miller said the committee had not intended to give the Graduate School power of approval over language requirement changes made by individual departments. The departments would simply inform the Graduate School.

Dr. Hatch agreed. He also said he thinks the Graduate School should look for a common way to administer language examinations, whatever the requirements of individual departments.

Dr. Miller commented that departments would probably not change the present system of administration.

Documentation

Dr. Hatch agreed, but said the language of the recommendations should reflect this.

Dr. Goerner wondered how it is possible to centralize the administration of examinations if departments differ in their requirements. He also noted that he would favor giving the Graduate School power of approval over departmental language requirements to prevent any department from simply abandoning the requirement.

Dr. Buttigieg said he favors centralized administration, but would such a system allow two or three different methods of implementing the examination?

Dr. Miller said perhaps the Graduate School should suggest some alternative mechanisms.

Dr. Le noted that the present system already provides alternatives, i.e., the foreign language reading courses for graduate students, the ETS standardized test and the examinations devised by our modern language departments.

Dr. Kenney commented that the substance of the report's recommendations is to change the language requirement from a University to a departmental requirement, if a department wants to have such a requirement.

Dr. Miller said this is the trend at peer institutions.

Dr. O'Connor said this means there is no longer consensus that a Ph.D. should know a language beyond either the native tongue or a language needed for research. Notre Dame should retain the older view.

Dr. Meara reminded the council that the modern language departments have had trouble administering the portion of examinations related to specific fields. At the same time, the other departments really do not have people qualified to devise and evaluate a language examination.

Dr. Hatch noted that in the humanities and social sciences, most departments at peer institutions retain a language requirement, although these tend to be departmental not University-wide requirements.

Dr. Miller said he believes the language requirement for the Ph.D. has come to be regarded as a burden in the last 20 years. Most faculty have probably not used their language skills after graduation.

Dr. Varma noted that retaining a language requirement would put Notre Dame at a disadvantage when competing for students with schools which do not have such a requirement.

Dr. Skurski said he might agree with Dr. O'Connor about the ideal view of Ph.D. language skills, but there are two practical considerations:

- 1) Most people regard the language requirement as simply another hurdle to jump.
- 2) The present recommendations allow departments to require language skills if they are important. Therefore, a general University requirement is not necessary.

Dr. Buttigieg said he too sympathizes with Dr. O'Connor's point of view, and he fears a situation where only a few humanities departments will retain a language requirement.

Mr. Balihuta said the report does not address the question of whether a language requirement is necessary. This question should be studied further.

Dr. Hatch replied that it is addressed obliquely in the report's contention that such a question is best left to the departments.

Dr. Michel said he agrees that the question of necessity is a good one. If the goal is only to read technical articles, the answer is no. But other considerations, such as conversation at professional meetings, might produce a different answer.

Dr. Miller wondered how we would go about testing for competence beyond reading skill.

Dr. Connolly moved acceptance of the report.

Dr. Hatch said he assumed administration of the report's recommendations would not be left to the departments but would remain in the Graduate School.

Dr. Cohn's suggestion that the language of Recommendation #1 be changed from "authority to establish" to "authority to alter" and Dr. Hatch's suggestion that the word "administration" be deleted from the same recommendation were accepted.

The motion to accept the report passed without objection.

The council approved a list of students seeking degree candidacy, and adjourned at 5:30 p.m.

Documentation

University Committee on Libraries May 2, 1990

The meeting was called to order at 4 p.m. in the office of the Director of Libraries by the chairman, John Lucey. Also in attendance were Harvey Bender, Maureen Boulton, Maureen Gleason, Robert Miller, James Robinson, Robert Scheidt and secretary Melodie Eiteljorge.

The minutes of April 4 were approved as amended.

Miller reported the latest ARL statistics indicate Notre Dame is making modest progress in some areas, but not in staffing. Development activities on behalf of the libraries have been steadily increasing. Any backlog in shelving at the close of the semester should be relatively minimal, due to automated circulation. The Library Advisory Council met on April 27 and addressed several important issues, including preservation, development and security. It was a very productive meeting.

Harvey Bender reported that the Academic Affairs Committee presented a resolution to the Faculty Senate involving the coordination between curriculum development and library collection development. He stated in the meeting that he felt such matters should be routed through the University Committee on Libraries prior to circulation or review by other bodies, offices and agencies of the University. He will compose a recommendation for such a resolution before the next meeting.

The main agenda item was electronic media. Miller distributed a draft document for a proposal and asked if other members felt these arrangements were worth pursuing. The four basic levels of access he is proposing are:

1. mainframe access within NOTIS for heavily used products, or where a unit pays the cost of the subscription;
2. a CD-Rom network with at least eight terminals and seven drives and with dial-in access (on campus backbone when available) for less used databases;
3. individual CD-Rom stations in branch locations for highly specialized, subject oriented databases;
4. and individual, dedicated CD-Rom workstations (or a small network) for full text products.

The committee felt that this proposed configuration is generally appropriate. Harvey Bender presented a motion to endorse the concept of using this as a starting point and moving forward from that. Jim Robinson seconded the motion, and it was carried. Miller will explore it further with the Office of University Computing and other parties, particularly on funding issues.

There being no further business, the meeting adjourned at 4:55 p.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

Correction to the Ethical Dimension of Education at the University of Notre Dame

The response from marketing faculty was omitted from Appendix A of the report to review the ethical dimension of education, Report on Survey of All Faculty in the College of Business Administration, question number 8. The following is the complete response:

8. Your department and years at Notre Dame.

Department

<u>8</u>	Accountancy
<u>9</u>	Management
<u>11</u>	Finance
<u>7</u>	Marketing

Years

<u>20</u>	5 or less
<u>9</u>	6-10
<u>3</u>	11-20
<u>3</u>	21 or more

The Graduate School

Current Publications and Other Scholarly Works

Current publications should be mailed to the Research Division of the Graduate School Room 312, Main Building.

COLLEGE OF ARTS AND LETTERS

Art, Art History and Design

Adcock, Craig E.

C.E. Adcock. 1990. Laurie Simmons. *Tema Celeste (English Edition)* 25(April-June):66.

C.E. Adcock. 1990. Terry Allen. *Tema Celeste (English edition)* 25(April-June):61

C.E. Adcock. 1990. The Total Visual Field: James Turrell. *Tema Celeste (English edition)* 25(April-June):44-46.

Economics

Dutt, Amitava K.

A.K. Dutt. 1990. Sectoral Balance in Development: A Survey. *World Development* 18(6):915-930.

English

O'Rourke, William A.

W.A. O'Rourke. 1990. Review of D.M. Thomas's *Lying Together*. *Chicago Tribune Books* July 15(14):5.

W.A. O'Rourke. 1990. Artists Should Accept Grants From the Arts Endowment. *The Chronicle of Higher Education* 36(40):A48.

W.A. O'Rourke. 1990. Review of Thomas Pynchon's *Vineland*. *South Bend Tribune* May 20(Section C):9.

W.A. O'Rourke. 1990. Protesting NEA. *The Nation* 250(25):880-881.

Robinson, James E.

J.E. Robinson. 1989. Poem, Post-Genesis. *Kansas Quarterly* 21(3):120-121.

Government and International Studies

Mainwaring, Scott P.

S.P. Mainwaring. 1990. Review: Thomas M. Gannon, ed., *World Catholicism in Transition*. *Journal of Religion* 70(2):263-264.

S.P. Mainwaring. 1990. Review: The Catholic Church and Politics in Nicaragua and Costa Rica. *American Political Science Review* 84(2):704-705.

History

Gleason, Philip J.

P.J. Gleason. 1990. Searching, Finding, and the Catholic History of Texas. *Journal of Texas Catholic History and Culture* 1(1):7-19.

P.J. Gleason. 1990. Hansen, Herberg, and American Religion. Pages 85-103 in, P. Kivisto and D. Blanck, eds., *American Immigrants and Their Generations: Studies and Commentaries on the Hansen Thesis After Fifty Years*. University of Illinois Press, Urbana and Chicago, Illinois.

Walicki, Andrzej

A. Walicki. 1990. Zrozumiec Przeszlosc (To Understand the Past). *ZDANIE (Opinion - in Polish)* 2-3:1-8.

A.S. Walicki. 1990. The Problem of the Socialist Intelligentsia. *The Russian Review* 49(3):293-305.

A.S. Walicki. 1990. Totalitaryzm czyli o potrzebie rozrachunkow uczciwych. *Polityka Polska (Polish Politics)* 1(15):10-16.

Philosophy

McInerny, Ralph M.

R.M. McInerny. 1990. Confessions of a Catholic Writer. *Intellectual and Cultural Affairs*. *CCICA Annual 1990: Publication of the Catholic Commission on Cultural and Intellectual Affairs* 9:1-8.

Sociology

Christiano, Kevin J.

K.J. Christiano. 1990. Federalism as a Canadian National Ideal: The Civic Rationalism of Pierre Elliott Trudeau. *The Dalhousie Review* 69(2):248-269.

Johnson, C. Lincoln

See under Welch, Michael R. 1990. *Journal for the Scientific Study of Religion* 29(2):185-197.

Welch, Michael R.

M.R. Welch, C.L. Johnson and D. Pilgrim. 1990. Tuning in the Spirit: Exposure to Types of Religious TV Programming Among American Catholic Parishioners. *Journal for the Scientific Study of Religion* 29(2):185-197.

Theology

Bradshaw, Paul F.

P.F. Bradshaw. 1990. Mass. Pages 587-588 in, E. Ferguson, ed., *The Encyclopedia of Early Christianity*. Garland Publishing, New York, New York.

Ford, J. Massynbaerde

J.M. Ford. 1990. Persecution and Martyrdom in the Book of Revelation. *Bible Today* 28(3):141-146.

The Graduate School

J.M. Ford. 1990. The New Testament, Jesus and Canonization. Pages 31-38 in, R. Brooks and J.J. Collins, eds., *Hebrew Bible on Old Testament*. University of Notre Dame, Notre Dame, Indiana.

Ambrosiana Collection

Gabriel, Canon Astrik L.

A.L. Gabriel. 1990/1987. University Career of Matheus De Loreyo. *Hungarian Studies* 3(1-2):41-45.

COLLEGE OF SCIENCE

Biological Sciences

Esch, Harald E.

F. Goller and H.E. Esch. 1990. Comparative Study of Chill-Coma Temperatures and Muscle Potentials in Insect Flight Muscles. *Journal of Experimental Biology* 150:221-231.

Fraser, Jr., Malcolm J.

D.J. Davidson, M.J. Fraser, Jr., and F.J. Castellino. 1990. Oligosaccharide Processing in the Expression of Human Plasminogen cDNA by Lepidopteran Insect (*Spodoptera frugiperda*) Cells. *Biochemistry* 29:5584-5590

Kambhampati, Srinivas

See under Rai, Karamjit S. 1990. *Heredity* 64:281-287.

Kumar, Arun

See under Rai, Karamjit S. 1990. *Theoretical and Applied Genetics* 79:748-752.

Munstermann, Leonard E.

L.E. Munstermann and D.M. Wesson. 1990. First Record of *Ascogregarina taiwanensis* (Apicomplexa: Lecudinidae) in North American *Aedes albopictus*. *Journal of the American Mosquito Control Association* 6(2):235-243.

Rai, Karamjit S.

S. Kambhampati, W.C. Black, IV, K.S. Rai and D. Sprenger. 1990. Temporal Variation in Genetic Structure of a Colonising Species: *Aedes albopictus* in the United States. *Heredity* 64:281-287.

A. Kumar and K.S. Rai. 1990. Intraspecific Variation in Nuclear DNA Content Among World Populations of a Mosquito, *Aedes albopictus* (Skuse). *Theoretical and Applied Genetics* 79:748-752.

Chemistry and Biochemistry

Castellino, Francis J.

See under BIOLOGICAL SCIENCES; Fraser, Jr., Malcolm J. 1990. *Biochemistry* 29:5584-5590.

See under de Serrano, Vesna S. 1990. *Journal of Biological Chemistry* 265(18):10473-10478.

de Serrano, Vesna S.

V.S. de Serrano and F.J. Castellino. 1990. Structural Determinants of the Noncatalytic Chain of Tissue-type Plasminogen Activator That Modulate Its Association Rate with Plasminogen Activator Inhibitor-1. *The Journal of Biological Chemistry* 265(18):10473-10478.

Fehlner, Thomas P.

T.P. Fehlner. 1990. The Metallic Face of Boron. *Advances in Inorganic Chemistry* 35:199-233.

Fessenden, Richard W.

A. Samanta, C. Devadoss and R.W. Fessenden. 1990. Picosecond Time-Resolved Absorption Measurements on the Excited Singlet State of Biphenylene. *Chemical Physics Letters* 169(5):421-426.

C. Devadoss and R.W. Fessenden. 1990. Picosecond and Nanosecond Studies of the Photoreduction of Benzophenone by 1,4-Diazabicyclo[2.2.2]octane: Characterization of the Transient. *The Journal of Physical Chemistry* 94(11):4540-4549.

George, Manapurathu V.

D. Weir, A. Ajayaghosh, M. Muneer and M.V. George. 1990. Laser Flash Photolysis Studies of Aryl Xanthates and Carboxylic Dithiocarbamic Anhydrides. *Journal of Photochemistry and Photobiology, A: Chemistry* 52:425-437.

See under RADIATION LABORATORY; Kamat, Prashant V. 1990. *Research on Chemical Intermediates* 13:203-220.

See under RADIATION LABORATORY; Kamat, Prashant V. 1990. *Research on Chemical Intermediates* 13:117-142.

See under RADIATION LABORATORY; Kamat, Prashant V. 1990. *Molecular Crystals and Liquid Crystals* 183:403-409.

Mozumder, Asokendu

A. Mozumder and S.M. Pimblott. 1990. Comment on "Geminate Electron-Ion Recombination Probability in Highly Anisotropic Media." *Chemical Physics Letters* 168(5):511-512.

Nasri, Habib

See under Scheidt, W. Robert. 1990. *Acta Crystallography* C46:1096-1098.

Scheidt, W. Robert

J.A. Goodwin and W.R. Scheidt. 1990. The Electrostatically Paired Bis(dimethyl sulfoxide)(tetrakis(1-methylpyridinium-4-yl)porphinato)iron(III)/(4,4',4'',4'''-Tetrasulfonatophthalocyaninato)zinc(II) System. Solution Structure and Dynamics. *The Journal of Physical Chemistry* 94:4432-4439.

H. Nasri and W.R. Scheidt. 1990. Structure of (2,3,7,8,12,13,17,18-Octaethylporphinato)dioxoosmium(VI). *Acta Crystallography* C46:1096-1098.

The Graduate School

Mathematics

Sommese, Andrew J.

M. Andreatta, M. Beltrametti and A.J. Sommesse. 1990. Generic Properties of the Adjunction Mapping for Singular Surfaces and Applications. *Pacific Journal of Mathematics* 142:1-15.

M. Beltrametti and A.J. Sommesse. 1989. On the Relative Adjunction Mapping. *Mathematica Scandinavica* 65:189-205.

Physics

Cushing, James T.

J.T. Cushing. 1990. Review of Franco Selleri's Quantum Paradoxes and Physical Reality. *American Journal of Physics* 58:797-798.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Thomas, Flint O.

F.O. Thomas and H.C. Chu. 1989. An Experimental Investigation of the Transition of a Planar Jet: Subharmonic Suppression and Upstream Feedback. *Physics of Fluids A* 1(9):1566-1587.

Chemical Engineering

Varma, Arvind

A. Varma, G. Cao and M. Morbidelli. 1990. Self-Propagating Solid-Solid Noncatalytic Reactions in Finite Pellets. *American Institute of Chemical Engineers Journal* 36:1032-1038.

E.G. Bauman and A. Varma. 1990. Parametric Sensitivity and Runaway in Catalytic Reactors: Experiments and Theory. *Chemical Engineering Science* 45:2133-2139.

H. Wu, A. Brunovska, M. Morbidelli and A. Varma. 1990. Optimal Catalyst Activity Profiles in Pellets, 8. General Nonisothermal Reacting Systems with Arbitrary Kinetics. *Chemical Engineering Science* 45:1855-1862.

Electrical Engineering

Michel, Anthony N.

J.A. Farrell and A.N. Michel. 1990. A Synthesis Procedure for Hopfield's Continuous-Time Associative Memory. *IEEE Transactions on Circuits and Systems* 37(7):877-884.

RADIATION LABORATORY

Carmichael, Ian C.

I.C. Carmichael. 1990. Isotropic Coupling Constant for the Nitrogen Atom from Correlated Calculations Based on Spin-unrestricted Wave Functions. *Journal of Chemical Physics* 93(1):863-864.

George, Manapurathu

See under Kamat, Prashant V. 1990. *Research on Chemical Intermediates* 13:203-220.

Kamat, Prashant V.

K. Ashok, P.V. Kamat and M.V. George. 1990. Electron Transfer Reactions. Reaction of Dibenzobarrelenes with Potassium. *Research on Chemical Intermediates* 13:203-220.

K. Ashok, R.K. Tikare, P.V. Kamat and M.V. George. 1990. Electron Transfer Reactions. Reactions of Epoxyketones and Benzoylaziridines with Potassium. *Research on Chemical Intermediates* 13:117-142.

K.R. Gopidas, P.V. Kamat and M.V. George. 1990. Photochemical Processes on Oxide Surfaces. A Diffuse Reflectance Laser Flash Photolysis Study. *Molecular Crystals and Liquid Crystals* 183:403-409.

P.V. Kamat, K.R. Gopidas and N.M. Dimitrijevic. 1990. Picosecond Charge Transfer Processes in Ultrasmall CdS and CdSe Semiconductor Particles. *Molecular Crystals and Liquid Crystals* 183:439-445.

K. Ashok, P.V. Kamat and M.V. George. 1990. Electron Transfer Reactions. Reaction of Dibenzobarrelenes with Potassium. *Research on Chemical Intermediates* 13:203-220.

Pimblott, S.M.

See under CHEMISTRY; Mozumder, Asokendu. 1990. *Chemical Physics Letters* 168(5):511-512.

Weir, Douglas J.

R.M. Berger and D.J. Weir. 1990. Stable Cation Formation and Luminescence on Inorganic Oxide Surfaces: 9-phenylxanthenyl Cation. *Chemical Physics Letters* 169(3):213-217.

The Graduate School

Awards Received and Proposals Submitted

AWARDS RECEIVED

In the period August 1, 1990, through August 31, 1990

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	538,029	11	547,829	17	1,085,858
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	10	43,736	10	43,736
Other Programs	<u>1</u>	<u>19,487</u>	<u>2</u>	<u>425,854</u>	<u>3</u>	<u>445,341</u>
Total	7	557,516	23	1,017,419	30	1,574,935

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	1	456,871	7	1,346,477	8	1,803,348
Facilities and Equipment	1	28,233,000	0	0	1	28,233,000
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>17,825</u>	<u>1</u>	<u>17,825</u>
Total	2	28,689,871	8	1,364,302	10	30,054,173

The Graduate School

Awards Received

In the period August 1, 1990, through August 31, 1990

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Aerospace Mech. Eng.	Sen	Research in Nucleate Boiling (Collaboration with Mexico)	National Science Foundation	14,362 24
Aerospace Mech. Eng.	Batill	Digital Data Processing for Flight Flutter Testing	NASA-Ames Research Center	29,993 12
Biological Sciences	Boyd	Sexual Dimorphism in Neuropeptide Systems	National Institute of Health	99,430 12
Biological Sciences	Hyde	Molecular Analysis of Photo- transduction in <i>Drosophila</i>	National Institute of Health	137,116 12
Chemical Engineering	Brennecke	Polymer Powders from the Expansion of SCF Solutions	DSM Research	38,000 12
Chemistry and Biochemistry	Miller	Methods for the Preparation of Selected Synthetic Targets	Eli Lilly Company	236,938 36
Chemistry Biochemistry	Nowak	NHR Studies of Kinases and Related Enzymes	National Institute of Health	263,816 12
Chemistry and Biochemistry	Castellino	Mutant Fibrinolytic Proteins	National Institute of Health	13,493 12
Chemistry and Biochemistry	Helquist, Gasparski	Organic Division Graduate Fellowship	American Chemical Society	12,000 12
Chemistry and Biochemistry	Castellino	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institute of Health	17,924 10
Chemistry Biochemistry	Bumpus	Enzymology of Fungal and Mammalian Peroxidase	Utah State University	49,236 6
Chemistry and Biochemistry	Pasto	Structures and Reactivities of Radicals and Diradicals	National Science Foundation	6,250 18
Center for Study Cont. Society	Hallinan	Middle and Secondary School Tracking	National Science Foundation	60,000 24
Electrical Engineering	Sain, Bauer, Powers, Yang	Clark Clutch Plates	Clark Components International	20,000 4
Electrical Engineering	Costello, Mills	Award for Creativity in Engineering	National Science Foundation	25,000 12
Mathematics	Stolz	Classification Problems in Geometric Topology	National Science Foundation	47,300 24
Mathematics	Shaw	Solvability, Regularity and Embeddability of CR Structures	National Science Foundation	15,000 12

The Graduate School

AWARDS FOR SERVICE PROGRAMS

Center for Social Concerns	McNeill	Center for Social Concerns	Various Others	212 1
ND Center for Pastoral Liturgy	Bernstein	Notre Dame Center for Pastoral Liturgy - Publications	Various Others	13,133 1
ND Center for Pastoral Liturgy	Bernstein	Notre Dame Center for Pastoral Liturgy	Various Others	690 1
Center Continuing Formation Ministry	Pelton	Notre Dame Center for Continuing Formation in Ministry	Various Others	14,744 1
Inst. Pastoral and Social Ministry	Pelton	Institute for Pastoral and Social Ministry	Various Others	51 1
Inst. Pastoral and Social Ministry	Pelton	National Parish Consultation	Various Others	5,000 1
Inst. Pastoral and Social Ministry	Pelton	IPSM Dynamic Parish	Various Others	160 1
Inst. Pastoral and Social Ministry	Pelton	IPSM-Marketing Account	Various Others	2,226 1
Latin/N. American Church Conc.	Pelton	LANACC	Various Others	20 1
Program for Church Leaders	Kelly	Programs for Church Leaders	Various Others	7,500 1

AWARDS FOR OTHER PROGRAMS

Financial Aid	Russo, Cunningham	Indian Education Program Indian Fellowships, 1990-1991	Department of Education	19,487 12
Chemical Engineering	Brennecke	2nd International Symposium on High Pressure Chemical Engineering	National Science Foundation	854 6
Graduate School	Hatch	Evangelical Scholars Project	Pew Charitable Trust	425,000 37

The Graduate School

Proposals Submitted

In the period August 1, 1990, through August 31, 1990

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Chemistry and Biochemistry	Tannor	Wavepacket Studies of Photodissociation	National Science Foundation	456,871 36
Chemistry and Biochemistry	Gellene	State Spectroscopy	National Science Foundation	243,136 36
Electrical Engineering	Alcock	Thermochemistry of Highly Conducting Oxides	Department of Energy	474,207 36
Electrical Engineering	Sain, Bauer, Powers, Yang	Clark Clutch Plates	Clark Components International	27,035 4
Romance Language and Literature	Jerez-Farran	Theatre of F.G. Lorca and Hidden Sources of Inspiration	National Endowment Humanities	0* 15
Physics	Marshalek	Theoretical Studies of Nuclear Structure	Department of Energy	369,024 36
Sociology	Glass	Employment and Family Life	National Science Foundation	0* 60
Sociology	Glass	Work Conditions, Pregnancy, and Employment Continuity	National Science Foundation	233,075 36

PROPOSALS FOR FACILITIES AND EQUIPMENT

Radiation Laboratory	Schuler	Effects of Radiation on Matter	Department of Energy	28,233,000 60
-------------------------	---------	--------------------------------	-------------------------	------------------

PROPOSALS AND OTHER PROGRAMS

Sociology	DaSilva Kanjirathinkal	Politics at the End of History	National Science Foundation	17,825 9
-----------	---------------------------	--------------------------------	--------------------------------	-------------

* Dollar amount to be determined by Sponsor.

Notre Dame

R E P O R T

Volume 20, Number 3

September 28, 1990

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, Indiana. *Postmaster:* Please send address corrections to: Records Clerk, Department of Human Resources, Brownson Hall, University of Notre Dame, Notre Dame, IN 46556.

Linda M. Diltz, Editor
Marten Schalm, Designer
Willa Murphy, Layout
Publications and Graphic Services
415 Main Building
Notre Dame, IN 46556
(219) 239-5337

© 1990 by the University of Notre Dame, Notre Dame, IN 46556. All rights reserved.
