



Notre Dame

R E P O R T

Contents:

March 1, 1991

Faculty Notes

- 281 *Faculty Honors*
- 281 *Faculty Activities*

Administrators' Notes

- 283 *Administrators' Appointments*
- 283 *Administrators' Activities*

Documentation

- 284 *Academic Council Minutes*
December 5, 1990
- 289 *Faculty Senate Journal*
November 6, 1990
- 291 *Faculty Senate Journal*
December 11, 1990
- 294 *Faculty Board in Control of Athletics*
August 23, 1990
September 19, 1990
October 8, 1990
November 13, 1990
December 19, 1990
- 298 *University Libraries' Hours During Spring Break*
March 3-17

The Graduate School

- 299 *Current Publications and*
Other Scholarly Works
- 302 *Awards Received and Proposals Submitted*
- 303 *Awards Received*
- 306 *Proposals Submitted*

12

1990-91

Faculty Notes

Honors

Ahsan Kareem, professor of civil engineering, was appointed an associate editor of the *Journal of Structural Engineering*, American Society of Civil Engineers. He served as the guest editor of the *Journal of Wind Engineering and Industrial Aerodynamics*, Volume 36, Elsevier Science Publisher.

Ruey-wen Liu, Freimann professor of electrical engineering, was appointed the editor-in-chief of the *IEEE Transactions on Circuits and Systems*. He was also named an overseas adviser to the IEICE Transaction on Fundamentals of Electronic, Communications and Computer Sciences of the Japanese Institute of Electronics Information and Communication Engineers.

Donald E. Sporleder, professor of architecture, was appointed to the Indiana Seismic Advisory Board in the Indiana State Emergency Management Agency.

Nancy K. Stanton, professor of mathematics, has been appointed to the program committee for national meetings of the American Mathematical Society.

Rev. Patrick J. Sullivan, C.S.C., adjunct assistant professor of sociology, was selected to be a member of the board of directors of the Hansel Neighborhood Service Center which was founded in 1968 as a multi-service center for youth and elderly, employment and education, day care and latchkey, job training and food services.

Activities

Charlotte Ames, associate librarian, was a presenter/panelist in a discussion on "Collection Development in Philosophy and Religion: Modes, Mechanisms and Measurements" at the association of College and Research Libraries Discussion Group on Philosophy, Religion and Theology at the American Library Association midwinter meeting in Chicago, Ill., Jan. 14.

Thomas P. Bergin, director of Continuing Education and professor of management, was one of 25 deans invited to participate in the Smithsonian Associate Program "Europe '92 and Beyond." The discussions were hosted by the ambassadors of the United Kingdom, France, Germany, Denmark and Hungary, all of which were held at their various embassies, Feb. 6-8.

Daniel M. Chipman, professional specialist in the Radiation Laboratory, gave the invited lecture "Calculation of Magnetic Hyperfine Coupling Constants for Solutions in Polyacetylene" at the Ohio State University in Columbus, Ohio, Feb. 7.

Krishna M. Choudhary, assistant professor of electrical engineering, presented "Structure of the Bi/InP (110) Interface: A Photoemission EXAFS Study" at the 18th international conference on the Physics and Chemistry of Semiconductor Interfaces held in Long Beach, Calif., Jan. 29-Feb. 1.

Fred R. Dallmayr, Dee professor of government and international studies, presented the paper "Response to Jacques Derrida" at a symposium on "Justice and Violence: On Jacques Derrida" held at the Cardozo Law School of Yeshiva University in New York, N.Y., Oct. 1. He presented a paper on "Heidegger on Ethics and Justice" at the annual meeting of the Society for Phenomenology and Existential Philosophy at Villanova University in Villanova, Pa., Oct. 12. He delivered a public lecture on "Democratic Theory in the Postmodern Age" and a seminar address on "Modernity and Postmodernity" at Indiana State University in Terre Haute, Ind., Nov. 29-30.

Alan Dowty, professor of government and international studies, was interviewed on the Gulf crisis and war by *Newsweek*, Jan. 14; WSBT, Jan. 14, 16; *The South Bend Tribune*, Jan. 14; WSBT-TV, Jan. 16, Feb. 2; WYEZ, Jan. 17; WNDU-TV, Jan. 17, 22; WFRN, Jan. 18; and WSND, Jan. 21. He spoke on "Persian Gulf: Update and Prospecting" to the regional executive committee of the Anti-Defamation League of B'nai B'rith in Cincinnati, Ohio, Feb. 3.

John F. Gaski, associate professor of marketing, served as session chair of the Society of Franchising annual conference in Miami Beach, Fla., Feb. 9-10.

Denis Goulet, O'Neill professor of Education for Justice, Department of Economics, lectured on "Poland: Reflections on Second World Development" at the workshop on "Ethical Principles for Development" sponsored by the International Development Ethics Association held at Montclair State College in Upper Montclair, N.J., Jan. 27.

Eric J. Jumper, associate professor of aerospace and mechanical engineering, presented a paper titled "Time-Resolved Force and Moment Measurements on a Cubic Body in Cross Flow: Implications to Wind-induced Jitter of Telescopes" at the 29th AIAA Aerospace Sciences meeting in Reno, Nev., Jan. 9.

Jeffrey C. Kantor, associate professor of chemical engineering, served as a member of a review panel for the NSF Graduate Fellowship Program meeting held at the National Research Council in Washington, D.C., Feb. 5-7.

Ahsan Kareem, professor of civil engineering, served as a panelist on the National Academy of Sciences panel on Wind Engineering Issues at Newport Beach, Calif., Aug. 20. He chaired a plenary session on "Performance of Structures and Lifelines at Hurricane Hugo: One Year Later" in

Faculty Notes

Charleston, S.C., Sept. 13. As a member of the National Academy of Sciences Committee on Natural Disasters, he attended its biannual meeting in Palo Alto, Calif., Jan. 11-12.

Jay A. LaVerne, associate professional specialist in the Radiation Laboratory, gave the invited lecture "Radiation Chemistry with Heavy Ions" to the Department of Physics at the University of Chile in Santiago, Chile, Dec. 13.

Ruey-wen Liu, Freimann professor of electrical engineering, delivered a keynote speech on "Blind Signal Processing" at the IEEE international workshop on Cellular Neural Network and their Applications in Budapest, Hungary, Dec. 16-20. He presented an invited paper on "Neuro Computation of Optimal Control Problems" at the fourth workshop on Control Mechanics in Los Angeles, Calif., Jan. 23-24.

Richard A. McCormick, S.J., O'Brien professor of Christian Ethics, lectured on "Reproductive Technology" at St. Joseph's Medical Center in Phoenix, Ariz., Jan. 24. He gave the lecture "Twenty-five Years of Post-conciliar Moral Theology" at Mount St. Mary's College in Los Angeles, Calif., Jan. 26. He gave two lectures, "AIDS and Professional Responsibility" and "Genetic Technology and Our Common Future" at the Lourdes Medical Center in Camden, N.J., Feb. 6. He lectured on "Abortion: A Middle Ground?" at Loyola University in Chicago, Ill., Feb. 21.

Ralph M. McInerney, Grace professor of Medieval Studies, director of the Maritain Center and professor of philosophy, gave the Aquinas Lecture "Is St. Thomas an Aristotelian?" at the Center for Thomistic Studies at the University of St. Thomas in Houston, Tex., Jan. 24. He presented "Thomism: A Contemporary Philosophy for Contemporary People?" at Benedictine College in Atchison, Kans., Feb. 7.

Martin F. Murphy, assistant professor of anthropology, gave the invited talk "Observations on the History and Contemporary Organization of the Island of Hispaniola" to the Department of Sociology and Anthropology at Ohio Wesleyan University in Delaware, Ohio, Feb. 9.

Rev. John H. Pearson, C.S.C., assistant professor of law, presented the keynote paper titled "Footsteps of a Just Man: The Case Law of Judge Robert S. Vance" at a tribute in memory of the late Judge Robert S. Vance at the University of Alabama School of Law in Tuscaloosa, Ala., Jan. 24.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, presented an invited seminar titled "Jump Conditions, Asymptotic Structure, and Numerical Analysis of High-Speed Reactive Flow Over a Wedge" in the Mechanical and Aerospace Engineering Seminar Series held at the Illinois Institute of Technology in Chicago, Ill., Feb. 13.

Juan M. Rivera, associate professor of accountancy, chaired a session on Hispanics in Higher Education at the fifth Hispanic symposium on Business and the Economy sponsored by the American Assembly of Collegiate Schools of Business and the National Association of Hispanic Professors in Business Administration and Economics held in South Padre Island, Tex., Feb. 6-9.

David L. Schindler, associate professor in the Program of Liberal Studies, presented the paper "Christology, Public Theology, and Thomism: de Lubac, Balthasar, and Murray" at the American Maritain Society meeting on the theme "The Future of Thomism(s)" at Fordham University in New York, N.Y., Oct. 27. He represented the North American *Communio* at the international *Communio* board meeting in Rome, Italy, Dec. 8. He gave a talk on "Catholicism and American Culture" at the Casa Balthasar in Rome, Italy, Dec. 9.

James H. Seckinger, director of the National Institute for Trial Advocacy and professor of law, served as a faculty member for the inaugural NITA Ohio Deposition Program at Case Western Reserve Law School in Cleveland, Ohio, Jan. 10-12. He gave a lecture to the faculty on Effective Teaching Techniques.

Donald E. Sporleder, professor of architecture, served as a master juror at the National Council of Architectural Registration Boards Building Design — Architects Registration Examination grading session in Memphis, Tenn., Jan. 16-20.

Nancy K. Stanton, professor of mathematics, gave a seminar talk on "The Kernel of the $\bar{\partial}$ -Neumann Problem" at Rutgers University in New Brunswick, N.J., Feb. 12.

Kathleen Maas Weigert, faculty liaison/academic coordinator in the Center for Social Concerns, concurrent associate professor of American studies and faculty fellow in the Institute for International Peace Studies, spoke on "A Catholic Perspective on War and Peace" at Goshen College in Goshen, Ind., Jan. 24.

Rev. George Wiskirchen, C.S.C., associate professional specialist and assistant professor of music, presented an invited lecture titled "Concerns for Jazz Education" to the jazz program students of the University of Texas in Austin, Tex., Jan. 31. He served as critic and clinician at the West Texas State University Jazz Festival in San Marcos, Tex., Feb. 2.

John H. Yoder, professor of theology, gave the lecture "The Ethics of Power" to the Christian Life Commission at the Texas Baptist convention in Austin, Tex., Feb. 11-12.

Administrators' Notes

Appointments

Bernard T. Blais has been appointed assistant investment officer. He is an honors graduate of Princeton University and a former Army R.O.T.C. member who began his career with the Army Finance Corps at the U.S. Military Academy. After leaving the army, he earned an M.B.A. with a major in finance and a concentration in investment management from the University of Pennsylvania's Wharton School. He currently is a candidate for designation as a chartered financial analyst. Prior to his appointment at Notre Dame, Blais was a portfolio manager for Trinity Investment Management, where he was responsible for a number of multimillion dollar institutional investment portfolios.

Activities

Howard G. Adams, executive director of the National Consortium for Graduate Degrees for Minorities in Engineering, presented a paper titled "A Model for Recruiting Minority Students to Graduate School" at the 1990 annual conference of the American Associate for Engineering Education in Toronto, Canada, June 24-28. He served as the keynote speaker for the closing banquet of the Summer Minority Research Intern Program at Howard University in Washington, D.C., July 26.

Lisa K. Dahl, chemical safety specialist for Risk Management and Safety, presented the seminar address titled "Managing a Hazardous Waste Program" to corporate and hospital safety professionals at Emilcott's "Implementing the Hazard Communication Standard Training Seminar" in Newark, N.J., Jan. 15, and in Philadelphia, Pa., Jan. 17. She presented two talks, "Hazard Communication from a University Perspective" and "Hazardous Waste on a University Campus" at the Hoosier Safety Council fifth annual conference in Indianapolis, Ind., Feb. 12-13.

James J. Ostlund, director of User Services, Office of University Computing, co-authored the article "Simulation of HIV Infection in Artificial Immune Systems" published in *Physica D Non-Linear Phenomena*, Vol. 45, p. 208-227.

Academic Council Minutes December 5, 1990

Members in attendance: Edward A. Malloy, C.S.C., Timothy O'Meara, E. William Beauchamp, C.S.C., Roger Schmitz, Patricia O'Hara, Nathan Hatch, Francis Castellino, John Keane, Eileen Kolman, David Link, Michael Loux, Robert Miller, Paul Conway, Melissa Smith, Joseph Blenkinsopp, John Borkowski, Cornelius Delaney, Leo Despres, Maria Rosa Olivera-Williams, Morton Fuchs, V. Paul Kenney, William McGlinn, Mark Herro, Jerry Marley, Bill McDonald, William Nichols, Fernand Dutile, Maureen Gleason, Regina Coll, C.S.J., Kathleen Maas Weigert, Mary Bernard and Frank Carnevale

Observers in attendance: Dennis Moore and Douglass Hemphill

Guests in attendance: Gerald Jones and Kevin Misiewicz

The meeting was opened at 3 p.m. with a prayer by Professor O'Meara.

1. **Minutes.** The minutes of the meeting of October 9, 1990, were approved as published in *Notre Dame Report* #6, 1990-91.

2. **Graduate Studies and Research.** Nathan Hatch addressed the council to give his assessment of, and goals for, graduate studies and research at Notre Dame. He distributed a set of materials including sheets of facts and figures, a pamphlet on minority fellowships at Notre Dame, a copy of a Wall Street Journal article on research funding and a booklet "University of Notre Dame Graduate Studies."

Overall he described Notre Dame's status as solid but not distinguished. He finds strong signs of improvement, and recent external reviews of programs have been very favorable and encouraging. He feels that much more progress must be made in the development of the University's graduate programs before the outside academic world will be convinced that Notre Dame is serious about graduate studies. He envisions Notre Dame having a small but superb program of graduate studies and research.

Expressing a desire to bring new vitality to graduate studies and research, he stated that his office will assume an active role, serving as a catalyst for change and an articulator of goals. Among initiatives taken so far are regular meetings with directors of graduate studies and a publication of a newsletter to graduate students. In addition, he reported that his office is looking into doctoral student teaching matters and various aspects of graduate student life at Notre Dame.

He went on to describe the difficulties he foresees in trying to make improvements and deal with rising expectations at a time of limited resources. He pointed out that there presently exist about 750 financial support packages (tuition and stipend) for about 1,000 full-time graduate students. He feels that as graduate programs improve and the recruiting of graduate students becomes more competitive, it will be necessary to offer financial support packages to nearly all students. Further, new Ph.D. programs will be initiated, and present resources cannot be redistributed without harming existing programs. He reported that raising funds for graduate fellowships is currently a high-priority item for the Development Office.

Regarding external grant support, he reported that, with the \$17.7 million in 1990 awards for research, or the \$20.2 million in total 1990 awards, Notre Dame does not rank among the top 100 institutions in this respect. However, he noted that many institutions which rank higher have large medical schools and/or a number of large federally supported research laboratories similar to the Radiation Laboratory here. He pointed out that the climate for federal funding is not favorable presently. The success rate for research proposals in some programs has dropped to about 13 percent nationally. (The campus-wide success rate at Notre Dame has been around 40 percent over recent years.) The University must become more pro-active, he feels, in assisting faculty with obtaining research funding from both private and public sectors.

In a discussion session that followed, Mark Herro commented that the overall ratio of indirect to direct costs (about 0.2) on external grants shown in the data handed out seems low. Hatch explained that while the overhead on regular research grants is 48.7 percent of direct costs, excluding equipment, some grants limit overhead to a lower rate — to zero, in fact, on most equipment grants.

In response to a question by Paul Kenney about admission standards, Hatch stated that while his office sets campus-wide minimum standards for admission, he expects departments to be the principal setters and enforcers of standards above that minimum. Kenney commented also that some statistics need to be normalized by faculty or student numbers, and he asked how Notre Dame's student/faculty ratio at the graduate level compares with that of other institutions. Hatch replied that such analyses are being undertaken by a Task Force on Research Systems which he appointed last March.

Frank Castellino pointed out that the University must view graduate education as a 12-month operation. Financial support for graduate students must be provided during the summer because the students are expected to engage themselves in research during the summer months. Hatch agreed but he stated that academic-year support must

Documentation

continue to have a higher priority until it reaches a satisfactory level. The principal source of summer support will continue to be external grants.

Frank Carnevale raised a question about the reasons for the attrition of students at the graduate level. Hatch stated that there has been no survey, but to his knowledge the reasons include lack of financial support, academic difficulties and changes of mind.

Kenney suggested that graduate programs at Notre Dame could benefit by a greater flow to the campus of top academicians from other universities via departmental colloquia and the like. He feels that this type of activity needs greater encouragement.

Fr. Malloy added that a Higher Education Colloquium on Science Facilities, chaired by Senator Terry Sanford, is conducting a study of the problems and possible solutions regarding research facilities and equipment at universities in this country. He stated that the colloquium membership included university chancellors and presidents, including himself, and congressional personnel. Therefore, there is national interest in dealing with some of the problems currently impeding academic researchers.

3. Developing a Research-Oriented Law School. David Link recounted developments in Notre Dame's Law School through the past 15 years and described its present state. (Dean Link provided a complete text of his presentation, which is included as an addendum to these minutes.) He distributed copies of the school's 1991-92 *Bulletin of Information*.

He began by addressing the question: Why is it important to have an outstanding Law School at Notre Dame? One reason, he stated, was that law schools typically are among the most visible components of a university because they deal with, and speak to, important current issues. Another was that a disproportionate number of their graduates become leaders in one way or another and therefore bring attention to their alma mater. At this point, he feels it would be difficult for a university to attain a reputation of general academic greatness without having a great professional school. Historically law schools have served as campus forums, in effect as centers, for discussing current ethical issues and problems and finding practical solutions.

He described the 1975 Notre Dame Law School as having two dimensions, one directed to mechanical applications of the law, the other to analysis. Dean Shaffer had begun to emphasize the latter dimension, a direction Link and others felt appropriate for Notre Dame. Bringing about the change to a strong analytical and research orientation, he noted, required a careful selection of faculty and students. He stated that student selection now is based more strongly on evidence in applications of a strong motivation and value

orientation as opposed to such strict quantitative measures as grades and rankings. He reported that the quality of the student body has improved in all respects, including quantitative ones.

Link stated that over the years since 1975, the student applicant pool has increased in number from 1,200 to 3,150 applications for 170 student slots. Further, a new curriculum has been developed, and the library has been improved considerably in both the collection and quality of service. The school adopted a theme of Law and Ethics which undergirds its curriculum and scholarship. In 1975 no leading law school in the country had such a principal theme.

For signs of achievement, he cited unqualified approvals by the American Bar Association in accreditation reports and the recent ranking in *U.S. News and World Report* which placed the Law School 19th in the nation. In his opinion, Notre Dame's Law School is now "very good" — not yet "great" but moving ever closer to that distinction. He feels that student financial aid must be increased, retrospective improvements must be made to the library, support for faculty research and scholarship must be increased, and the school must continue its efforts to become more integral to the University as a whole.

Following Link's presentation, Maria Rosa Olivera-Williams commented that the Law School was fortunate to have had adequate financial support for its development. Other entities such as those in the humanities area are not so fortunate, she felt. Link stated that an increase in the school's endowment from about \$600,000 to about \$20 million over 15 years was achieved only through a cooperative effort of the school and the development office.

4. Interim Report on the Honor Code. Melissa Smith, chair of the University Committee on the Academic Code of Honor, described her views on the progress and concerns regarding the honor code experiment. She stated that membership of the committee consists of nine representatives from the student body, five from the regular faculty and one from the University administration.

Smith told the council that during the 1989-90 academic year there were a total of 39 hearings conducted by honesty committees resulting from reports of honor code violations. She feels that this number, which exceeds the number of hearings in years prior to the honor code experiment, is a sign that student reporting of violations is working. She added that students would prefer that honesty committees serve at the college level rather than the department level to ensure more uniformity in the judgment of cases.

She is aware that some faculty are concerned about unreported cheating, but she added that there seems to be no reason to believe that widespread cheating occurs. She said

Documentation

that students feel that a large proportion of the faculty are not fundamentally committed to the honor code. Students, she feels, appreciate having the responsibility given them by the honor code. They would even favor going to a more encompassing code of behavior — to an all-encompassing campus-wide code of ethics.

Smith added that faculty and students will be surveyed next semester by way of a questionnaire regarding the honor code. The results of the survey will provide input for a decision by the Academic Council in the spring of 1992 as to whether the code should be formally adopted. She feels that a fundamental question for the council in evaluating the code is whether the current experiment shows that a value is being taught in terms of ethical behavior.

Following Smith's presentation, Frank Castellino commented that the survey will be an important instrument, and the Academic Council, as the eventual decision-making body, should have a say in the design of the questionnaire.

Paul Kenney stated that most of his impressions are anecdotally based, but he suspects that faculty are delighted to be free of policing their classes. He also suspects that most faculty do not believe that students report on each other as a rule. Rather most of them probably adhere to a "don't snitch" code.

When asked about the total number of reported violations, Smith replied that statistics were not available, but she estimated the number going to hearings before honesty committees was about half of the total reported. Most of the others were dismissed as simply one person's word against another's.

Paul Conway commented that some faculty have gradually reverted to conducting courses and exams just as they had done before the honor code experiment started — even though they were encouraged to avoid the temptation of proctoring and the like.

Leo Despres said that he does not find the evidence convincing that the honor code is working. Smith acknowledged that her statistical evidence is scant at this time, but her general impressions of student attitude and overall impact are positive.

Kevin Misiewicz raised the following question to the council: What means will the council use, or what standards will it set, for deciding whether to accept or reject the honor code formally in the University's Academic Code in the spring of 1992? Provost O'Meara reminded the council that the experiment, not the honor code itself, was imposed. He agreed that the council must decide what it will look for from the experiment. Smith noted that Fr. Oliver Williams has a draft of the survey questions.

In conclusion, Smith told the council that a video on the honor code is available and has been shown to students and faculty.

5. Announcements.

Report by the Faculty Board in Control of Athletics.

Fr. Beauchamp told the council that a report by the Faculty Board in Control of Athletics is in preparation. He expects that a draft version will be completed by the end of December and that a final version will be submitted to Fr. Malloy by the end of January. The topic will be brought to the council next semester.

Proposed Policy on Verbal Harassment.

Provost O'Meara informed the council on the course of action taken thus far on a University policy on verbal harassment proposed by an *ad hoc* committee chaired by Eileen Kolman. He stated that the proposed policy has been directed to the Faculty Senate and the Student Government for deliberation and input. The policy with those inputs will be brought to the council for deliberation next semester. He added that a proposed policy regarding gender-specific language has also been directed to the Faculty Senate for review and will be brought to the council next semester.

Report by the Provost.

Provost O'Meara stated that owing to the shortage of time at this meeting, he will postpone his report which was originally listed on the agenda to a later meeting.

6. The New DeBartolo Building. Provost O'Meara and Fr. Beauchamp gave a brief description of the new DeBartolo classroom building using architectural drawings. The building will contain a total of 82 classrooms including a 450-seat auditorium, three rooms with 250 seats, six with 100, 24 with 50, 18 with 30, and 30 with 20. In addition, according to present plans, three rooms will be equipped with computers at each station for computer-aided instruction. The building will also contain four small meeting rooms and areas for Educational Media, student/faculty interaction, offices for teaching assistants and a publicly-accessible cluster of 70 microcomputers.

Fiber-optic cable will be installed throughout the building for video and data communication, and the building will be connected to the campus fiber-optic backbone. At least half of the classrooms will be connected initially to a modern video delivery system. By means of this system, video will be delivered to classrooms through fiber from devices (VCRs, slide and movie projectors, etc.) located in a central control room or from satellite or cable telecasts. A control panel in the classroom will allow the instructor to make selections and to have remote control of the devices.

Documentation

Fr. Beauchamp said that the cost of building construction will be about \$20 million and that the cost of the audio/visual/computing technologies will add nearly \$2.5 million.

Provost O'Meara said that copies of the architectural drawings will be provided to the deans for display in college areas.

Fr. Malloy concluded the meeting at 5:10 p.m. by extending his wishes for a joyous and blessed Christmas season.

Respectfully submitted,

Roger A. Schmitz
Secretary of the Academic Council

Addendum

Text of Dean David Link's Presentation to the
Academic Council
December 5, 1990

This is my 16th year as dean. Because of this longevity, the Association of American Law Schools has asked me to head a committee designated to determine why most law deans quit after a short tenure and why a few stay on in what is generally perceived to be a high pressure academic position. So far this committee has found that, for the most part, deans quit or stay in direct relationship to their success in pursuing those personal goals that caused them to take the job in the first place. Most law deans take the job because they think they can make a difference — either a difference in legal education generally or a difference in the quality of a particular school.

That analysis is certainly true for me. I've stayed at Notre Dame because this place is trying to make a difference. When I became dean, Father Hesburgh said he wanted to make this one of the great law schools and he asked me what it would take for that to be accomplished.

Why was that important to Father Ted? Why did he want a "great" law school at Notre Dame? I think the main reason was the role that a law school's reputation plays in setting the overall reputation of a university. While it is possible to have a great university without any professional school, without exception, those schools that have professional programs strongly emphasize one or more of them for purposes of the university's academic reputation. If you take Harvard, Yale, Stanford or Duke and observe which are their most famous programs, you'd have to talk about their law schools among the leaders. I am told that the president of another university once remarked that he intended that his institution become the best Catholic university in the

country, and that he would accomplish that by first making his law school one of the best in the country.

Why is it that a law school plays such an important role in a university's reputation? First, because good law schools deal with the most topical of questions. They research and comment on items prominent in the press and in the average citizen's mind. Secondly, law school graduates tend to end up in leadership positions in society and give publicity to their law schools. In other words, law schools are among the most visible of programs at a university.

When I was appointed in 1975, our law school was very good, but it was probably doing little to enhance the overall reputation of the University. We had a number of fine faculty, but as a unit, the school was not among the leadership institutions. Father Hesburgh realized that while a great law school could not alone make a great university, it was improbable that one could have a great university with a mediocre law school. But for me there was an even more important reason for Notre Dame to plan to be among the "great" or leadership schools. In 1975, the legal profession and legal education were in great need of additional leadership, a fresh new leadership that would return law schools to their traditional role at a university.

Historically, the great law schools served as the centers of contemporary ethics questions. Ethics questions would be presented to the law faculty by sources in the non-academic world. The law faculty took on the task of gathering others around — theologians, philosophers, sociologists, psychologists and virtually all other faculties who could play an analytical and problem solving role on a particular ethical dilemma. The law school then provided a forum for discussion and translated the discussion and advice into practical solutions or alternatives.

Unfortunately, law schools in this country quickly got away from that tradition. Many law schools began to see themselves as mere trade schools training people to practice law. Their universities, in turn, regarded them as profit center — a unit with few expenses but the potential to bring in large amounts of tuition support. Thus, the importance of law schools to society was reduced to simply producing good legal mechanics.

Fortunately in the '70s, many universities began to see the light and started the process of returning to traditional law school goals. There was a recognition that if law schools have an important role in promoting life, liberty and the pursuit of peace; if lawyers are meant to solve society's problems rather than add to them; if members of the legal profession are to return to their original roles as peacemakers rather than the promoters of controversy, then we'd better do something about law schools.

Documentation

Let me tell you a little about the status of law schools in general and Notre Dame in particular in 1975. Law schools had settled into two broad divisions. Most schools concentrated mainly on teaching the mechanical lawyering skills and the substance and procedure of the law. Others went well beyond the mechanical to do careful analysis of the law and system of justice. Note that both divisions did some of each but there was enough difference in emphasis to justify referring to schools as either mechanical (i.e., trade) or analytical.

In 1975, much of the scholarship was practitioner-directed rather than theoretical or on complex problems. Even in the analytical schools, most research tended to be expository and reactive. However, many of the analytical schools had not only redefined their roles but had decided to go back to earlier traditions of law teaching and scholarship goals. Notre Dame was one of these.

For the first 100 years of its existence, Notre Dame had been a very parochial place, both in its mission and method. We took in a limited number of students and trained them to be good lawyers, mostly for small practices in small communities. There was nothing wrong with that mission, and it was executed as well by the Notre Dame faculty as any in the country. Without abandoning that mission, Father Hesburgh obviously wanted more.

After I presented Father Hesburgh with a plan designed to raise Notre Dame to that status of a "great" law school, we decided to bring in a distinguished visiting panel to study whether that plan was feasible. Guido Calabrese, now dean at Yale Law School, was part of that visiting team and summarized the situation at Notre Dame very well. When Father Hesburgh asked him the same question he had asked me, i.e., what it would take to make Notre Dame one of the "great" law schools in this country, Guido responded by asking "What do you mean by 'great'?" Father replied, "Of the stature of Harvard, Yale, Chicago and Stanford." Guido said, "Well, if what you want is a great teaching law school, my advice is to do nothing." "You already teach as well as Yale, Harvard, Chicago and Stanford. But if you mean that you want a leadership institution — a law school that provides leadership in legal education and to the bench, bar and legislatures — then you have much to do." "You must take on a strong and somewhat unique research agenda." "You must bring in faculty and students to support that agenda, and you must do major surgery on what you now call a law library."

Father Hesburgh decided to take up that challenge to build a "great" law school. Fortunately, the ground at Notre Dame was fertile. Overall, the University had a good reputation which made it possible to attract the right kind of faculty and students to the law school. Tom Shaffer as dean had been a great visionary, having seen the need for a school like Notre Dame to be among the leaders. He had

laid the ground work, cleared the path, had begun the hiring of the right kind of faculty and experimented with a different mode of student selection. He had personally begun to change the focus of scholarship.

Now then, what was our plan and what have we accomplished? First, we intensified the Shaffer model of attracting faculty who had the potential for national impact scholarship. We did this in a way that would not diminish the high standards for teaching in the Law School. Reflect for a moment on some of the people who have come here: a professor chaired at Cornell - a leading expert on Law and Economics; one of the leading authors in the complex field of anti-trust; and a lawyer who has served as both a White House Fellow and as Assistant Attorney General. We now have another faculty member on leave to serve as Assistant Attorney General. This man has served as president of the Hispanic National Bar Association and is the highest ranking Hispanic in Justice Department history. We have the leading expert on the law related to organized crime. Add to that the former dean of a Vietnamese law school along with the former director of the Office of International Peace and Justice of the American Catholic Conference. These two enhance our international law program which has a strong base through our London Law Centre. Some of the faculty already on board caught the research and scholarship bait. Tex Dutilleul became the leading expert on the Law of Higher Education. Ed Murphy and Bob Rodes continued to do substantial writing. When Tom Shaffer returned, he was, and continues to be, the most published legal scholar in America and a recognized leader in Law and Ethics. We have a young leader in law and literature, a member of the faculty of the National Judicial College, the executive director of the National Institute for Trial Advocacy, and still another young faculty member in the prestigious academic position of reporter to the Federal Appellate Rules Committee. I could go on and on, but that represents the diversity of law research and scholarship which we have undertaken.

A few minutes on the student plan — we got away from the usual formula of concentrating on quantifiable academic credentials: college GPA and LSAT. We went into transcript analysis. We looked for signs of leadership skills. Most importantly, we looked for people who had given evidence of a strong value commitment. In fact, it became a standard joke to say it was easier to get into Notre Dame Law School if you had been a member of Big Brothers or Big Sisters than if you had a four point grade point average and a perfect LSAT. There was some truth to that joke, but despite the fact that we had abandoned reliance on GPA and LSAT, our median in these quantifiabiles went up as we chose students with a strong value system. Thus, we have developed a student body that is not only quite capable but concerned. Most of them are entering the legal profession with the right perspective — for the right reasons.

Documentation

With regard to library, we expanded the building and went right to the top for leadership. We recruited the most respected law librarian in the country—the person at the top of everyone's list. And we succeeded. We hired the law librarian of the United States Supreme Court who, in turn, brought in a great staff. Our recent acquisition of a major law collection is allowing that staff to build a research quality library at Notre Dame.

We also adjusted our curriculum to a slightly different agenda but returning to some of the basic principles and values of the past. We integrated the work of centers and research institutes into that agenda.

There is much more to be said about what has flowed from the plan, but the time has come to summarize. We have gotten some recognition for what is happening. *U.S. News and World Report* has rated us within the top 20 law schools in the country despite the fact that we operated with the lowest budget amongst our peers, a major factor in the rating. The Prentice-Hall Hiring Report had us ninth in their rating category for placement. But the most important thing is that everyone involved now has a feeling that we are developing as a special place with a unique leadership mission. When we started out, we didn't know whether we could accomplish Father Hesburgh's goal. Now there is no doubt. We are not quite there yet. There is still a good bit to be done — we need to increase faculty size and support, our student financial aid program is very inadequate, there is still much to be done with the retrospective improvement of the library, and we need to extend the interdisciplinary work in teaching and research.

But we will make it. We will become a "great" law school. Our formula is clear — a team effort — all of the faculty working toward that same mission — centering on the theme of Law and Ethics. We intend to be one of the "great" law schools, a leadership school, and we intend to accomplish this not by copying others but our way, as a Catholic institution with a special value system.

Faculty Senate Journal November 6, 1990

Prof. Paul Conway, chair, called the meeting to order at 7:31 p.m. in Room 202 of the Center for Continuing Education. After an opening prayer, Prof. Harvey Bender, seconded by Prof. Mario Borelli, moved to accept the journal of September 13, 1990; any corrections or changes may be reported to the secretary. In the chair's report Conway advised the senate that at his request its resolution to open the process of reappointment, tenure and promotion had been tabled at the October meeting of the Academic Council. This was done to permit the senate to determine if its vote on the issue was supported by faculty serving on departmental CAPs and department chairpersons. In order to support this resolution, Dr. Ellen Weaver proposed that a letter be composed and sent as a poll to all departmental chairs in the University to give them the history and background on the issue and to ask them to poll their CAP/ATP members on the question. In the discussion which followed Prof. Leo Despres wondered if this was in line with earlier senate sentiment which seemed to favor a more widely based poll (of the whole faculty), while Prof. Morton Fuchs thought that a faculty survey was also in order; Prof. Frank Bonello believed that the current members of the CAPs would be a representative enough survey. Prof. Peter Moody agreed with Fuchs and Despres, suggesting an additional question to see if the respondent was or is a member of a CAP. The sense of the senate seemed to direct Weaver to do a full faculty survey, to which she readily consented.

STANDING COMMITTEE REPORTS

Academic Affairs - Prof. John Yoder reported that the ballot on governance was about ready for faculty responses.

Administration - Prof. Frank Connolly reported that his committee believed the parking situation should be studied once again, especially the broad issue of the way faculty can have an impact on decisions made by the Physical Plant Department.

Benefits - Bonello gave a report on his work as a member of a working group of the Budget Priorities Committee, especially in regard to University benefits. Another issue brought before his committee was the lack of social life for single men and women in the University community; the committee thinking was leaning toward the formation of an ad hoc committee to do something about the situation.

Student Affairs - Prof. Sandra Harmatiuk reported that the committee had had a satisfactory meeting with Rev. E. William Beauchamp, C.S.C., executive vice president and chair of the Faculty Board in Control of Athletics (FBCA), on a question raised in the senate recently about that board's

Documentation

power and effectiveness. Together they discussed concerns about class attendance, time commitments for student-athletes, faculty "perks" and the name of the board.

The secretary, Peter Lombardo, reported on the ad hoc faculty alcohol awareness program committee. Contact has been made with a medical facility and discussion has moved toward inviting their representative to meet with the committee to talk about support services offered, confidentiality issues and questions about the impact of this proposed program on tenure.

Next, the chair introduced the senate's guest for the meeting, Roger Mullins, director of Human Resources, for his annual conversation with the senate. The senate technically stood in recess for this portion of its meeting. In his preliminary remarks on Blue Cross/Blue Shield (BC/BS), Mullins reported that claims were 84 percent of premiums this year; other factors added 7 or 8 percent. It appears that for calendar 1991 there will be a 12 percent increase. Prof. James McCarthy asked if this 12 percent would apply to retirees, to which Mullins replied yes. The treasurer, Panos Antsaklis, along with Borelli, wondered if premiums ever would go down or hold steady; Borelli added that Notre Dame as the area's largest employer should have some leverage on this, while Bonello raised the ethical issue: If Congress is shifting costs through Medicare cuts, where do they go if not to Blue Cross and the individual? Who is responsible for these skyrocketing costs? In response Mullins said, including trending factors, the raise should actually be 22 percent, and with inflation plus the cost-shifting, some companies will be hit with a 30 percent increase. Health costs will continue to increase every year, and it seems the federal government will pay less every year. University representatives meet with area hospital administrators several times a year to talk about various ideas:

- direct contracting on a preferred-provider basis—but do we want to give up freedom of choice on physicians and hospitals?
- possible deals among a group of employers (a coalition)
- trust arrangements on a favorable long term basis
- self-insurance for Notre Dame—and this might be considered as a serious possibility.

Fuchs wondered why medical costs so far exceeded the inflation rate. Mullins said that in addition to the inflation rate hospitals face big costs for medical technologies that are constantly being developed; there is also a duplication of services among area providers. In an untraditional view, he thought the person who receives some particular medical service should know that he or she is not paying the whole cost of it.

Prof. Willis Bartlett pointed out a particular problem with the disclaimer notice on some pre-authorization forms that the company may not pay certain costs; Mullins said his

office was looking into this, and that no claim had ever been rejected because of this. Prof. Yu-Chi Chang brought up a personal instance of what he thought was a discrepancy between costs for similar procedures at different hospitals; are South Bend hospitals higher than facilities adjacent to us? Mullins said all of Indiana has significantly lower costs than most other regions. Despres, again with a personal instance, disputed that. Mullins maintained that Indiana was comparatively lower, but our comparisons are within the South Bend area only. Bonello, Borelli and Connolly all thought medical costs were too high, and that people were angry; wasn't there something we can do? Mullins said we constantly monitor rates and charges, point out errors, negotiate per capita rates, and try to interest area employers in joining forces. There seems little movement to join in a coalition, although this may be changing at this time. McCarthy pointed out some difficulties retirees face with Medicare, often complicated by the failure of some doctors to use the system for the benefit of retirees and their families who are entitled to certain benefits.

Prof. David O'Connor saw a structural problem with the American health care system, but that a coalition such as has been proposed for area firms might improve it. Mullins too thought it was a legitimate attempt at cost containment, but at the price of limiting freedom of choice. Prof. Pamela Falkenburg believed that the answer depended on the quality of the care given. Conway wondered why medical costs do not have to be properly justified, as are costs in any other industry. Mullins responded that perhaps the recent BC/BS Accordia group—only for colleges and universities—is a way to contain costs. Perhaps a coalition is the answer. Perhaps self-insurance will give us more clout; a LaPorte instance seems to indicate that great savings can be made.

Despres asked about HMOs as a way to contain costs. For Mullins, they are similar to BC/BS: If claims continue to equal premiums, no one is going to lower rates. Connolly returned to the coalition idea and thought it could be effective in keeping costs down. Mullins agreed that a coalition of universities could reduce reserves and could involve cost-shifting and self-insurance. The local area's employers' coalition did not work out 10 years ago, but may be tried again. Despres and Borelli asked how much choice there would be in some "preferred-provider" plan. Mullins said it was complete: The chosen provider would be the sole one. Prof. Donald Sporleder along with Falkenburg returned to the issue of HMOs. Mullins was not enthusiastic about their outlook: Some are going out of business, physicians are dropping out, etc. Fuchs asked if the two currently offered by the University were stable, and Mullins responded positively.

Prof. Gregory Sterling turned to the question of dental care: would there be a chance for this to be included in health benefits? Mullins responded affirmatively, but only as an

Documentation

option without University contribution. Sterling thought the Flexplan might be a place for its inclusion, and Mullins will check on this. On another issue, Sterling asked what the typical salaries were for health care professionals. Mullins said RNs are paid about \$15 per hour, but it is a supply-and-demand issue. Other professionals especially physicians are much more lucratively reimbursed, often depending on the specialty. Bonello asked if Human Resources would be providing an annual report on health benefits to individuals, and Mullins said it would if funds are available.

There being no further questions, Conway thanked Mullins for his time and wished him well. The senate responded with a round of applause. Resuming its business, the chair called for New Business. Kurt Mills introduced himself as the representative of the Graduate Student Union to the senate. He asked what the senate positions were on: day care, the Goerner report on teaching assistants, and the University's affirmative action policy. Conway said the senate had discussed each one and had statements; if Mills would write to the chair, he would refer his request to the appropriate committee for responses, and welcomed Mills to the senate. Mills was invited to serve on whichever committee he desired.

A motion to adjourn was made and seconded, and the senate did so at 9:05 p.m.

In attendance:

Antsaklis, Bartlett, Bender, Bentley, Bonello, Borelli, Chang, Connolly, Conway, Despres, Esch, Falkenburg, Fuchs, Harmatiuk, Hemphill, Jerez-Farran, Johnson, C.L., Lombardo, Martin, McCarthy, Mills, Moody, Nichols, O'Connor, Parnell, Pillay, Porter, Power, Powers, Pratt, Scully, Sporleder, Sterling, Tageson, Wasowski, Weaver, Yoder

Absent:

Bandyopadhyay, Bunker, Costigan, Delaney, Fallon, Herro, Johnson, P., Labaree, Leighton, Lapsley, MacKenzie, Miller, Sheehan

Excused:

Blenkinsopp, Hayes, Jordan, Pilkinton, Vecchio

Respectfully submitted,

William Tageson
Peter Lombardo
Co-Chairs

Faculty Senate Journal December 11, 1990

Prof. Paul Conway, chair, called the Faculty Senate meeting to order at 7:33 p.m. in Room 202 of the Center for Continuing Education, and asked co-secretary William Tageson to offer a prayer. The journal of November 6, 1990, will be circulated to senators by campus mail; senators should call the secretary with corrections and changes. The chair reported that faculty should have already received the senate survey on the question of notification of tenure decisions; he urged all senators to ask their colleagues to return it promptly. Prof. Charles Parnell said he had not received his, and Conway pointed out that only active faculty would be participating in this one.

Standing Committee Reports

Academic Affairs — Prof. Joseph Blenkinsopp reported for chair John Yoder. The committee is discussing and will propose a resolution in January on the University Libraries which may include:

- expansion of reference services
- relocation of institutes/offices now located on the upper floors of Hesburgh Library to provide more usable "library" space
- urging the University administration to increase library budgets for certain specific departments (i.e., classics)
- review of the faculty borrowing and recall policies

The committee would like to review the policy on correlation between library resources and new curricular programs.

Administration — Chair Frank Connolly stated that the committee would review the policy on sexual harassment, and a resolution will be forthcoming soon. The administration, according to both Connolly and Conway, has asked the senate to do this and present a recommendation to the Academic Council which upon passage would be included in the Academic Manual. There would presumably be penalties in any such policy, perhaps including dismissal. Prof. Mario Borelli reported that there was a student committee working on such a statement for inclusion in the student manual *du Lac*.

Benefits — Chair Prof. Frank Bonello reported that the compensation statement would be ready by February, once some supporting documentation is received.

Student Affairs — Co-chair Prof. Clark Power reported on these items:

- athletics and academics is still an issue of concern, and the Faculty Board in Control of Athletics (FBCA) is also looking at this topic. Is there a conflict of interest in members of the FBCA going to bowl games? How

Documentation

serious is the confidentiality requirement? Is the appointment of Prof. Halischak to the FBCA in keeping with the spirit of "faculty appointment" in view of her role as athletics academic adviser?

- Co-chair Dr. Sandra Harmatiuk reported on the most recent meeting of the Campus Life Council (to which the senate has two appointments). It has studied the question of date/acquaintance rape. Is the administration insensitive to this important issue? CLC has made recommendations on this to the vice president for Student Affairs. Currently no policy exists on this specific subject. If *du Lac* is to be revised soon, this topic ought to be addressed.
- Power introduced Kurt Mills who is the Graduate Student Union representative on the senate. He will speak under "New Business."

Since the library is the heart of any university, the senate invited the director of University Libraries to address the body at this meeting, to answer questions and hear concerns. The chair welcomed and introduced Robert C. Miller, who then spoke. The senate technically stood in recess during his presentation.

The library, according to Miller, is critical to the faculty's success as teachers and scholars. Basically the library is about delivery of services to its users quickly and effectively, "within available resources." Other complications: a wide range of needs and content, various formats and different users. So the library does not always succeed as well as it wants to, but the response has to be to the users and their needs. Notre Dame's collections are good, not great. On the undergraduate level we are generally excellent with notable collections in theology, medieval studies and sports research; not all the others are in this category. We are weak in current journal subscriptions (but others are too because of a proliferation of titles and exploding costs); at least we continue to add journals. Services are good, with an excellent and dedicated but undersized staff. The budget is big, over \$6.5 million, but it is not big enough, with no room for flexibility, contingencies or experimentation in services for faculty, staff and students. We are reasonable but far from the "cutting edge" in technological services.

However, we have made progress: In the 1981-82 rankings of collections size as compiled by the Association of Research Libraries we were #67, and in 1988-89 we were #62; in 1981-82 volumes added we were #89, and in 1988-89 #38; and in the overall index of the ARL we were #96 in 1981-82, and #72 in 1988-89 (out of 106). Our ability to serve is better today than it was 10 years ago. Still, there is a long way to go.

A current library concourse exhibit focuses on the library endowment as "the critical difference." The phrase is apt in describing what endowment funds mean to the University

Libraries. Such funding must double within five years to continue to make a difference. Outside grants for collection development are very important (both from private and public sources). Other services are improving thanks to this funding: better copiers and faster cataloguing are examples. Automation is generally improving services. CD-ROMs and self-operated reader/printers are coming soon. But problems remain.

Some long-range ideas:

- UNLOC - not just a library catalog, but the key to campus information resources generally. All video materials held by Educational Media, all tapes in the Computing Center and Social Science Research Training Laboratory are catalogued there too, and more will be included, perhaps even courseware in the PC clusters.
- MDAS - an enhancement of NOTIS software to load periodical indices for speedier searching will be available by summer.
- SULON - state universities library automated network—a linking of private and public institution's catalogs through NOTIS.
- a faster and more efficient campus delivery system among the branches.
- in collections, the library wants to be sure to cover every discipline area more than sufficiently at the undergraduate level, expand the coverage of collections of national importance, and enhance electronic media information (like the 1990 census); for the graduate level, more carrels are needed, space for group work, perhaps even a graduate study center; hours should be extended and services improved especially in the branch libraries, some of which are "grossly inadequate in size, environmental conditions and facilities"; Hesburgh Library needs a major renovation; and the library needs to expand its preservation programs.

These are ambitious goals; with inflation, dollar devaluation and tight times, achieving them will be difficult. The existing efforts as well as the long-range goals are hurt by these factors. So outside funding is crucial. The library is working hard to understand the best way to deal with electronic media in conjunction with other campus agencies, and this is expensive. Finally the staff must be expanded.

Problem areas:

- serials - not many new subscriptions this year, and hard choices continue to face us.
- faculty renewal and the problems of automation
- the circulation system has problems which have to be solved, and patience will be required.
- confidentiality - the code of ethics of the library profession says not to give out names of borrowers; the Faculty Library Committee has endorsed this as Notre Dame policy. But complaints have been lodged. There may be

Documentation

a way around this by asking each borrower if he or she wishes to have name released. The library is trying to deal with both confidentiality and practicality.

- the recall procedures need "teeth."

What help can the faculty be to the library? Tell the library what is wrong (and what is right on occasion), and what the students need. Be patient but persistent while problems are addressed. Get the library involved in evaluations, curriculum planning and course development. Respond to surveys and open forums on library problems and needs. Perhaps faculty members would like to join the Friends of the Library to show care and support for the library's efforts (only about 1 or 2 percent of faculty are members). The senate could be one way for faculty input about the library to be given and structured for the library. Miller closed his presentation and asked for questions and comments.

Prof. Richard Sheehan asked about satellite libraries, especially for the proposed Business College building. Miller responded that Dean Keane would like a library there, and Miller himself would like a "presence" or information center. He did not believe curriculum, space and student needs warranted a separate "library." The college would have to determine finally the service needed and the funds available to carry them out. Prof. Robert Vecchio followed up and asked what "presence" meant. It would be, according to Miller, a place for consultation between college faculty and librarians, a delivery point for services, perhaps a place for electronic data delivery too; it would not be a place for collections. Mills thought graduate students needed more "lokmobiles" in the library, and Miller agreed, pointing out that the ones we have are "original equipment" and almost 30 years old; new ones are not commercially available. Mills also asked about the need for security measures; Miller said not all materials are barcoded, and so exit security is still necessary, especially to prevent inadvertent removal of books, etc.

Connolly remembered that library staffing problems have been with us for many years, and asked why they have never been resolved. Miller's response was that our collection size is small, our enrollment is small, and it has taken a long time to convince the administration that these are not the criteria to use in determining the size of staff. They did add nine new positions last year, and improvements will continue slowly, amid hard choices.

Prof. Harvey Bender raised the question of space in the Hesburgh Library used by non-library institutes/offices. According to Miller, almost 20 percent of the total space in the building is devoted to non-library use. There is a long-term commitment to eliminate this, but he does not know how long it will take. Prof. Greg Sterling asked about special "reading rooms" for graduate students and faculty, and Miller thought they would be appropriate.

Prof. Stephen Fallon wondered how the University Libraries would be responding to the University's emphasis on graduate education. What hard choices would have to be made to support one program over another? Miller said the library would never have significant resources for all programs. The University, not the library, really decides which ones to support. The library is committed to some, like theology and medieval studies; others like romance languages and German will never be substantial collections. Sterling pointed out that some areas which are underfunded critically deprive not only that discipline but several related ones of proper resources. How can these small budget programs be improved? Notre Dame, according to Miller, does not use a numerical formula based on majors and faculty to fund a discipline. He knows classics is underfunded, but its position has improved. Library budgeting has not kept up with program thrusts because if one goes up, another goes down; the library does not want to penalize anyone, so occasionally special money is available and is allocated. Vecchio asked who pays for and who uses the sports collections. Miller said all funding is from non-library sources; the users are substantial numbers of students and other researchers.

The chair thanked Miller for his time and candor, and the senate responded with a round of applause. Conway moved to old business. Connolly asked what has happened to the governance committee. The chair replied that a report will come from the new committee once it has organized.

As new business, the chair called on Dr. Ellen Weaver for a resolution on the use of inclusive language. At the request of Associate Provost Kathleen Cannon, O.P., and the Faculty/Student Committee on Women (a committee whose existence originated with the senate), Weaver was to present the resolution on gender-neutral language. A policy such as this would be proposed for inclusion in the Academic Manual through action of the Academic Council, and in *du Lac*. Fr. Malloy has asked through the associate provost that the senate pass this and send it to the council through its right of agenda; in this way it would be like a referendum and would gain added strength. The chair of the Year of Women Committee (another senate idea), Dean Eileen Kolman, has endorsed the proposal too. Weaver, speaking on the resolution, pointed out that it goes beyond simply recommending gender-neutral language to mandate it in the life of the University. She moved the resolution, and the secretary seconded.

In the discussion, Prof. Leo Despres (sympathetic to the intent of the resolution) was unsure what paragraph two meant, especially in regard to certain courses taught at this and every university. The practice of language is the result of many long-standing traditions. In teaching we should be able to assign readings without regard to their "inclusive" nature, only their relevancy to the course. Who is to judge

Documentation

a person's writings in this regard? He was unsure what the resolution would lead to. Blenkinsop was similarly troubled with the "mandate" aspect of the proposal. What does and does not come under the regulation of the university? What and who is the enforcement? Also sympathetic with the intent of the resolution, he would prefer to see something like, "The University encourages inclusive language." Borelli proposed the language, "Use inclusive language in all the public documents of the University and in its teaching." Weaver agreed with the point Blenkinsopp and Despres were making and sought a better wording from the senate. Connolly spoke sympathetically too but found the procedure to be lacking: The senate should not be expected to vote on something it had seen only 15 minutes before. Either the idea or the function of the senate is trivialized.

Prof. Louis MacKenzie also thought the second paragraph was poorly stated as well as somewhat pompous and self-righteous. Prof. Charles Parnell saw preaching as a form of speaking and thus redundant in the resolution; the whole thing he thought was Anglo-centric. Borelli moved to table the resolution until the next meeting, and Harmatiuk seconded. The senate concurred.

The chair recognized Mills. Representing the Gulf Crisis Action Committee he presented its petition on the Persian Gulf situation for senate endorsement: about 1,800 signatures have been collected from those in the Notre Dame/Saint Mary's community. Weaver seconded. Prof. Walter Pratt, for reasons of time and lack of prior knowledge of the resolution, moved to table it until the next meeting, Borelli seconded and the senate concurred.

A motion was made and seconded to adjourn, which the senate did at 9:20 p.m.

In attendance:

Antsaklis, Bartlett, Bender, Bentley, Blenkinsopp, Bonello, Borelli, Bunker, Chang, Connolly, Conway, Despres, Fallon, Harmatiuk, Hemphill, Jordan, Leighton, Lombardo, MacKenzie, Martin, Mills, Moody, Nichols, Parnell, Pilkinton, Pillay, Porter, Power, Powers, Pratt, Sheehan, Sporleder, Sterling, Tageson, Vecchio, Wasowski, Weaver, Yoder

Absent:

Bandyopadhyay, Delaney, Falkenburg, Fuchs, Hayes, Herro, Jerez-Farran, Johnson, C.L., Johnson, P., Labaree, Lapsley, McCarthy, Miller

Excused:

Costigan, Esch, O'Connor, Scully

Respectfully submitted,

Peter J. Lombardo Jr.
Secretary

Faculty Board in Control of Athletics August 23, 1990

In attendance: Rev. E. William Beauchamp, C.S.C., Professor Frank Bonello, Professor Paul Conway, Professor Alexander Hahn, Dr. Kathleen Halischak, Mr. William Kirk, Professor William Leahy, Dean David Link, Professor Jerry Marley, Professor Patricia O'Hara, Mr. Richard Rosenthal, Dr. Roland Smith.

Father Beauchamp opened the meeting at 4:09 p.m. on Thursday, August 23, 1990, in the President's Conference Room - Main Building.

1. Introduction of New Board Members. Father Beauchamp introduced the new members of the board: Professor Patricia O'Hara, vice president for Student Affairs, replacing Father David Tyson; Professor Alexander Hahn of the College of Science, replacing Professor John Derwent; Dr. Kathleen Halischak, executive officer of the Gender Studies Program and newly appointed special assistant to Father Beauchamp, replacing Dr. Ann Firth.

2. The Role of the Special Assistant to the Executive Vice President. Father Beauchamp explained Dr. Halischak's new position as special assistant to the executive vice president as an evolving one which will develop in the next few years, but that her primary role for the present is as director of Academic Services for Student-Athletes. He also explained that Mike DeCicco continues in his role as Academic Adviser in an advisory capacity. Father Beauchamp added that Mike DeCicco has been very supportive of the changes that have been made.

3. Approved Team Competition Schedules. Father Beauchamp presented for board consideration the following schedules which he approved during the summer as authorized by the board at its May 8, 1990, meeting: Cross Country, Ice Hockey, Men's and Women's Indoor Track, Men's and Women's Outdoor Track, Volleyball, Women's Soccer and Wrestling. The board unanimously approved adding the above mentioned schedules as an official part of the board minutes after confirming that the policy limiting the number of classes to be missed was followed.

4. Monogram Awards. Father Beauchamp presented for board consideration monogram recommendations that he had approved over the summer. They are: Baseball and Men's and Women's Track. The board unanimously approved adding the above monogram recommendations as an official part of the board minutes. The monograms had been cleared by the Registrar and the Office of Student Affairs.

5. Fifth-Year Eligibility Requests. Father Beauchamp presented for board consideration fifth-year eligibility

Documentation

requests that were acted on during the summer for David Yawman who was approved for a fifth year and for Michael Rotkis who was deemed not eligible for a fifth year. The board unanimously approved the addition to these minutes of fifth-year eligibility decisions that had been approved by polling members of the board during the summer.

6. Service Monogram Award. Father Beauchamp presented for board consideration a service monogram recommendation in Men's Golf for Robert Kloska which he had approved during the summer. Father Beauchamp pointed out that the information the board received in the spring on Robert Kloska was incomplete. In fact he has been a member of the golf team since his freshman year, serving as player manager in only the last two years. Therefore, his monogram is based on his being a part of the team for a total of four years, making him eligible for a service monogram. The board unanimously approved adding this recommendation as an official part of the board minutes.

7. Team Captains. Father Beauchamp presented for board consideration the following athletic team captains: in Women's Golf, Roberta L. Bryer; in Men's Fencing, Christian Baguer; in Softball, Rachel Crossen. After some discussion, the board unanimously approved the recommendations of Christian Baguer for Men's Fencing, and Rachel Crossen for Softball. The board approved the recommendation of Roberta Bryer for Women's Golf pending clearance from the Office of Student Affairs. (Clearance received.)

8. Team Competition Schedules. Father Beauchamp presented for board consideration the recommended schedules for the following sports: Baseball, Men's Soccer, Women's Golf, Lacrosse, Men's and Women's Swimming, Men's Tennis, Women's Tennis, and Women's Basketball. Professor O'Hara expressed a concern about a soccer scrimmage listed on the schedule to take place in the middle of freshman orientation. Mr Rosenthal indicated that he would talk to the Men's Soccer coach about freshman participation in the August 25th scrimmage. After much discussion concerning the number of missed classes, the board unanimously recommended the approval of the schedules for the sports listed above. As an addendum to the approval of the schedules, the board unanimously recommended that individual student-athletes obtain approval from the vice president of Student Affairs and from the director of Academic Services for Student-Athletes when requesting additional absences for continued competition. As an example, a tennis player may request more than the three approved absences so that he may continue his play in a tournament as an individual competitor.

9. Huffman-Sports Illustrated Article. Father Beauchamp distributed copies of materials sent to the Board of Trustees regarding the *Sports Illustrated* article by Steve Huffman who accuses Coach Holtz and Notre Dame of unethical practices.

Father Beauchamp and Mr. Rosenthal addressed the accusations in the article, detailing the University's drug testing procedures which take place randomly on a year round basis.

10. Time Set for Future Board Meetings. It was agreed that future Faculty Board meetings be held on Tuesdays or Thursdays and begin at 4 p.m.

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

Faculty Board in Control of Athletics September 19, 1990

In attendance: Rev. E. William Beauchamp, C.S.C., Professor Frank Bonello, Professor Paul Conway, Professor Alexander Hahn, Dr. Kathleen Halischak, Mr. William Kirk, Professor William Leahy, Dean David Link, Professor Patricia O'Hara, Mr. Richard Rosenthal, Dr. Roland Smith.

Absent: Professor Jerry Marley.

Father Beauchamp opened the meeting at 7:03 p.m. on Wednesday, September 19, 1990, at Oak Dale.

1. Minutes. Minutes of the August 23, 1990, board meeting were accepted.

2. Fifth-Year Eligibility Requests. Father Beauchamp presented for board consideration a petition for a fifth year of eligibility by Thomas James O'Rourke in indoor track. The board unanimously approved the petition.

3. Team Competition Schedules. Father Beauchamp presented for board consideration the recommended schedules for the following sports: Men's Golf, Softball and Men's Basketball. The board unanimously recommended the approval of the above the schedules.

The following items were acted upon after the members of the Faculty Senate left.

4. Team Captains. The board approved the recommendation of Tim Singleton for Men's Basketball team captain.

5. Report to the President on Athletics at Notre Dame. In preparation of the board's report to the president on athletics at Notre Dame, Mr. Rosenthal presented his findings regarding excused absence policies for student-athletes at seven peer institutions. None of the seven found to have a policy as well regulated as Notre Dame's. The board discussed other topics for inclusion in the report to the president: academic advising of student-athletes,

Documentation

disciplinary history of student-athletes, summer school, admissions requirements, graduation rates and freshman eligibility. Father Beauchamp presented the following as his plan for the preparation of the report to the president: gather information, draft material, send draft to the board members for review and criticism, and send final report to the president by the end of the current semester.

6. Faculty Representation at the Next Meeting. Father Beauchamp asked Professor Conway to organize representation from the Faculty Senate to be present at the next meeting of the board.

7. Upcoming NCAA Legislation. Father Beauchamp asked Mr. Rosenthal to provide copies of proposed NCAA legislation for board members to read and discuss at future meetings.

The meeting was adjourned at 9:35 p.m.

Faculty Board in Control of Athletics October 8, 1990

In attendance: Rev. E. William Beauchamp, C.S.C., Professor Frank Bonello, Professor Paul Conway, Professor Alexander Hahn, Dr. Kathleen Halischak, Mr. William Kirk, Professor William Leahy, Dean David Link, Professor Jerry Marley, Professor Patricia O'Hara, Mr. Richard Rosenthal, Dr. Roland Smith.

Father Beauchamp opened the meeting at 4:35 p.m. on Monday, October 8, 1990, in Room 202 of the Center for Continuing Education.

1. Minutes. Minutes of the September 19, 1990, board meeting were accepted.

2. Comments and Question from Faculty. Father Beauchamp welcomed members of the faculty senate and explained the purpose of the meeting as an opportunity for them to ask questions and express concerns regarding athletics at Notre Dame. In attendance from the Faculty Senate: Professor Harvey Bender, Professor Mario Borelli, Professor Steve Fallon, Dr. Sandra Harmatiuk, Lt.C. Douglass Hemphill, Professor David O'Connor, Rev. Ronald Wasowski, C.S.C.

Listed below are the issues raised by the members of the Faculty Senate and the responses presented by the board:

a. Dr. Harmatiuk expressed concern over the number of classes missed by student-athletes due to team travel. Father Beauchamp and Dr. Halischak explained the new policy regarding class absences as adopted by the board. The policy allows for three missed classes per class sequence

(Monday, Wednesday, Friday or Tuesday, Thursday) each semester. Mr. Rosenthal presented his survey of policies at peer institutions.

b. Professor Fallon stated that the faculty needs to have its voice heard through the faculty board. Father Beauchamp reiterated that the board is a vehicle for faculty to bring issues to the administration and that the role of the board is an evolving one.

c. Professor Borelli asked to have the minutes of the board meetings (minus confidential matters) printed in the *Notre Dame Report*. Father Beauchamp stated that expurgated minutes will appear in the *Notre Dame Report*.

d. Professor Fallon questioned the length of practice time. Mr. Rosenthal explained athletic department policy and stated that proposals (if adopted) at the upcoming NCAA conference will govern the practice schedule.

e. Professor O'Connor questioned the propriety of bowl trips for members of the board. Father Wasowski questioned the policy regarding bowl trips for secretaries in the athletic department. Dean Link explained the history of the board and bowls, emphasizing the importance of the academic/athletic issues. Father Beauchamp and Mr. Rosenthal explained the athletic department policies.

f. Professor Bender asked who determines the admission standards for student-athletes. Mr. Rosenthal explained that the admission office determines the policy for student-athletes.

3. Team Captain. Father Beauchamp presented for board consideration the following team captain: in Men's Golf, Paul Nolta. The board unanimously approved the recommendation.

4. Report from the Athletic Director. Mr. Rosenthal discussed the resignation of Art Lambert from his position as the volleyball coach.

The meeting was adjourned at 6:16 p.m.

Documentation

Faculty Board in Control of Athletics November 13, 1990

In attendance: Rev. E. William Beauchamp, C.S.C., Professor Frank Bonello, Professor Alexander Hahn, Dr. Kathleen Halischak, Mr. William Kirk, Professor William Leahy, Dean David Link, Professor Patricia O'Hara, Mr. Richard Rosenthal.

Absent: Professor Paul Conway, Professor Jerry Marley, Dr. Roland Smith.

Father Beauchamp opened the meeting at 4:37 p.m. on Tuesday, November 13, 1990, in the President's Conference Room - Main Building.

1. **Minutes.** Minutes of the October 8, 1990, board meeting were accepted.

2. **Upcoming NCAA Legislation.** Mr. Rosenthal announced that the athletic department has completed its review of the proposed legislation for the upcoming NCAA conference. Fr. Beauchamp announced that the board will meet to review this legislation.

3. **Fifth Year Eligibility Requests.** Father Beauchamp presented for board consideration a request for a fifth year of eligibility by Rebecca Wood in Women's Swimming. The board unanimously approved the request.

4. **Team Competition Schedules.** Father Beauchamp presented for board consideration the recommended schedules for the following sports: Men's Fencing and Women's Fencing. The board unanimously recommended the approval of the schedules.

5. **Report to the President on Athletics.** Father Beauchamp presented an update on the plan for the report to the president on the state of athletics at Notre Dame. This plan calls for the first draft to be completed by the end of the semester, presented to the board for review and editing over the Christmas break, discussed and approved by board in January, and presented to the president in February.

6. **Bowl Bids.** Mr. Rosenthal and Father Beauchamp gave an update on the football bowl prospects and outlined the process. The board unanimously recommended that if an offer is made, the University accept a bid to the Orange Bowl in Miami, Florida.

The meeting was adjourned at 5:45 p.m.

Faculty Board in Control of Athletics December 19, 1990

In attendance: Rev. E. William Beauchamp, C.S.C., Professor Frank Bonello, Professor Paul Conway, Dr. Kathleen Halischak, Professor Alexander Hahn, Mr. William Kirk, Dean David Link, Professor Jerry Marley, Professor Patricia O'Hara, Dr. Roland Smith, Mr. Brian Boulac (for Mr. Rosenthal).

Absent: Professor William Leahy, Mr. Richard Rosenthal.

Father Beauchamp opened the meeting at 4:07 p.m. on Tuesday, November 13, 1990, in the President's Conference Room - Main Building.

1. **Minutes.** The minutes of the December 7, 1990, meeting were accepted.

2. **Football Monogram Winners.** Father Beauchamp presented the completed list of football monogram winners for this year as voted on by the board.

3. **Report to the President on the State of Athletics.** Father Beauchamp and Dr. Halischak presented an update on the work done for the report to the president on the state of athletics at Notre Dame and gave copies of the work-in-progress to the board members.

4. **Upcoming NCAA Legislation.** Father Beauchamp led a discussion of the proposed NCAA legislation, outlining the intent of the legislation and the University's position on each piece of proposed legislation.

The meeting was adjourned at 6:17 p.m.

Documentation

University Libraries' Hours During Spring Break March 3-17

Date	Hesburgh Library		Engineering & Life Sciences Libraries
	Building	Public Services	
Sunday, March 3	10 a.m. - 2 a.m.	Regular Hours	1 p.m. - 10 p.m.
Monday, March 4 through Thursday, March 7	8 a.m. - 2 a.m.	Regular Hours	8 a.m. - 10 p.m.
Friday, March 8	8 a.m. - midnight	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.
Saturday, March 9	9 a.m. - midnight	9 a.m. - 5 p.m.*	Closed
Sunday, March 10	1 p.m. - midnight	Closed	Closed
Monday, March 11 through Friday, March 15	8 a.m. - midnight	8 a.m. - 5 p.m.**	8 a.m. - 5 p.m.
Saturday, March 16	9 a.m. - midnight	9 a.m. - 5 p.m.*	Closed
Sunday, March 17	ALL LIBRARIES RETURN TO THEIR REGULAR SCHEDULES		

* The following public service areas will be open:

Circulation
Current Periodicals/Microtext Center
Reference

**Current Periodicals/Microtext Center will be open

8 a.m. - 10 p.m. - Monday - Thursday

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

Economics

Mirowski, Philip E.

- P.E. Mirowski. 1990. Problems in the Paternity of Econometrics: Henry Ludwell Moore. *History of Political Economy* 22(4):587-609.

English

Matthias, John E.

- J.E. Matthias. 1991. Two Poems. Pages 183-192 in, G. Printz-Pahlson, ed., *Fardvag*. Bonniers, Stockholm, Sweden.
- J.E. Matthias. 1991. Academic Poem. *The New Criterion* 9(5):56-57.
- J.E. Matthias. 1991. A Gathering of Ways. Swallow Press, Athens, Ohio. 127 pp.
- O'Rourke, William A.
- W.A. O'Rourke. 1991. The Causes of Immortal Conceptions. *The Review of Contemporary Fiction* 11(1):107-116.

Music

Buranskas, Karen L.

- K.L. Buranskas with Fontana Chamber Ensemble. 1990. Chamber Music, Piano Trio, op. 67 by Dimitri Shostakovich String Quartet, op. 27 by Edvard Grieg Piano Quintet in D Major by John Carpenter. Fontana Concert Society Series, Kalamazoo, Michigan.

Philosophy

McInerny, Ralph M.

- R.M. McInerny. 1990. The Search Committee. Atheneum, New York, New York. 243 pp.
- R.M. McInerny. 1990. Evening Knowledge: Reflections on La Crepuscule de la Civilisation. Pages 287-292 in, P. Redpath, ed., *From Twilight to Dawn: The Cultural Vision of Jacques Maritain*. American Maritain Association and University of Notre Dame Press, Notre Dame, Indiana.
- R.M. McInerny. 1990. Saint Thomas De Hebdomadibus. Pages 74-97 in, S. MacDonald, ed., *Being and Goodness*. Cornell University Press, Ithaca, New York.

Neiman, Alven M.

- A.M. Neiman. 1991. Irony and Method: Comments on Burbules on Dialogue. Pages 132-135 in, D.P. Ericson, ed., *Philosophy of Education 1990, Proceedings of the Forty-sixth Annual Meeting of the Philosophy of Education Society*. The Philosophy of Education Society, Normal, Illinois.

Program of Liberal Studies

Schindler, David L.

- D.L. Schindler. 1991. Le temps dans l'éternité et d'éternité dans le temps. *Revue Catholique Internationale Communio* 16(1):77-93.

Sociology

Aldous, Joan

- J. Aldous. 1990. Editor, Special Issue, "The Impact of Workplace Family Policies," Chapter Author "Specification and Speculation Concerning the Politics of Workplace Family Policies. *Journal of Family Issues* 11(4):355-367.
- J. Aldous and W. Dumon. 1990. Family Policy in the 1980s: Controversy and Consensus. *Journal of Marriage and the Family* 52:1136-1151.

Theology

McBrien, Rev. Richard P.

- R.P. McBrien. 1991. The Church (*Lumen Gentium*). Pages 84-95 in, A. Hastings, ed. *Modern Catholicism: Vatican II and After*. Oxford University Press, New York, New York.
- R.P. McBrien. 1990. Two Views of the Church: The United States and the Vatican. Pages 81-102 in, P.J. Howell, SJ, and G. Chamberlain, eds., *Empowering Authority: The Charisms of Episcopacy and Primacy in the Church Today*. Sheed and Ward, Kansas City, Missouri.
- R.P. McBrien. 1990. (Book Review). Garry Wills, *Under God: Religion and American Politics*. The Philadelphia Inquirer 322(127):Section H, page 1.

Ulrich, Eugene C.

- E.C. Ulrich. 1990. Orthography and Text in 4QDana and 4QDanb and in the Received Masoretic Text. Pages 29-42 in, H.W. Attridge, J.J. Collins and T.H. Tobin, eds., *Of Scribes and Scrolls: Studies on the Hebrew Bible, Intertestamental Judaism, and Christian Origins Presented to John Strugnell on the Occasion of His Sixtieth Birthday*. University Press of America, Lanham, Maryland.

The Graduate School

Yoder, John H.

- J.H. Yoder. 1990. The Credibility of Ecclesiastical Teaching on the Morality of War. Pages 33-51 in, L. Rouner, ed., *Celebrating Peace*. Notre Dame Press, Notre Dame, Indiana.
- J.H. Yoder. 1991. The Believers' Church Conferences in Historical Perspective. *Mennonite Quarterly Review* 45(1): 5-19.

COLLEGE OF SCIENCE

Biological Sciences

Kulpa, Jr., Charles F.

- B. Kaphammer and C.F. Kulpa, Jr. 1990. Identification of a Sheath-associated Protein Involved in Phosphate Transport in *Sphaerotilus natans*. *Applied Microbiology and Biotechnology* 34:282-286.

Mathematics

Hahn, Alexander J.

- A.J. Hahn. 1990. The Coset Lattices of E.S. Barnes and G.E. Wall. *Journal of the Australian Mathematical Society (Series A)* 49:418-433.

Physics

Lundeen, Stephen R.

- P.W. Arcuni, Z.W. Fu and S.R. Lundeen. 1990. Energy Difference Between the ($v=0$, $R=1$) and the ($v=p$, $R=3$) States of H_2^+ , Measured with Interseries Microwave Spectroscopy of H_2 Rydberg States. *Physical Review A* 42(11):6950-6953.
- E.A. Hessels, F.J. Deck, P.W. Arcuni and S.R. Lundeen. 1990. Precision Spectroscopy of High- L , $n=10$ Rydberg Helium: An Improved Test of Relativistic, Radiative, and Retardation Effects. *Physical Review Letters* 65(22): 2765-2768.

COLLEGE OF ENGINEERING

Electrical Engineering

Antsaklis, Panagiotis J.

- K.M. Passino and P.J. Antsaklis. 1990. Relationships Between Event Rates and Aggregation in Hierarchical Discrete Event Systems. Pages 475-484 in, *Proceedings of the Twenty-eighth Annual Allerton Conference on Communication, Control and Computing*.
- K.M. Passino and P.J. Antsaklis. 1990. Optimal Stabilization of Discrete Event Systems. Pages 670-671 in, *Proceedings of the 29th IEEE Conference on Decision and Control*. Honolulu, Hawaii.
- P.J. Antsaklis and Z. Gao. 1990. On the Theory of Polynomial Matrix Interpolation and its Role in Systems and Control. Pages 497-506 in, *Proceedings of the Twenty-eighth Annual Allerton Conference on Communication, Control and Computing*. Monticello, Illinois.

Bandyopadhyay, Supriyo

- M. Cahay, S. Bandyopadhyay and H.R. Frohne. 1990. Scattering Matrix Analysis of Electron Transport in Disordered Aharonov-Bohm Interferometers and Ballistic Constrictions. *Journal of Vacuum Science and Technology* B8(6):1399-1403.

Bauer, Peter H.

- P.H. Bauer and K. Premaratne. 1990. Robust Stability of Time-Variant Interval Matrices. Pages 434-435 in, *Proceedings of the 29th IEEE Conference on Decision and Control*. IEEE, Honolulu, Hawaii.
- P.H. Bauer. 1990. Robust Stability of Two-Dimensional Discrete Interval Matrices. Pages 354-361 in, *Proceedings of the 78th Annual Allerton Conference on Communication, Control and Computing*. University of Illinois, Urbana-Champaign, Monticello, Illinois.

COLLEGE OF BUSINESS ADMINISTRATION

Finance and Business Economics

Bergstrand, Jeffrey H.

- J.H. Bergstrand. 1990. The Hecksher-Ohlin-Samuelson Model, the Linder Hypothesis and the Determinants of Bilateral Intra-Industry Trade. *The Economic Journal* 100(403):1216-1229.

The Graduate School

LAW SCHOOL

Gunn, Alan

A. Gunn. 1991. Partnership Income Taxation. The Foundation Press, Westbury, New York. xiii + 159.

A. Gunn. 1990. Partnership Interest for Services: Partnership Gain or Loss? *Tax Notes* 47:699-706.

UNIVERSITY LIBRARIES

Krieger, Alan D.

A.D. Krieger. 1990. Response to "Latin American Collecting and Theological Libraries." Pages 196-198 in, B.A. O'Brien, ed., Summary of Proceedings: Forty-fourth Annual Conference of the American Theological Library Association. American Theological Library Association, Evanston, Illinois.

SMITHSONIAN MUSEUM OF ART

Shields, John J.

J.J. Shields. 1991. Expert Opinion: Josiah Wedgwood's Women Designers. *Auction Forum U.S.A.* January 1991:1-2.

The Graduate School

Awards Received and Proposals Submitted

AWARDS RECEIVED

In the period From January 1, 1991 through January 31, 1991

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	17	1,641,004	15	725,172	32	2,366,176
Facilities and Equipment	0	0	1	0	1	0
Instructional Programs	0	0	3	342,487	3	342,487
Service Programs	0	0	9	105,476	9	105,476
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>41,607</u>	<u>1</u>	<u>41,607</u>
Total	17	1,641,004	29	1,214,742	46	2,855,746

PROPOSALS SUBMITTED

In the period January 1, 1991, through January 31, 1991

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	1,211,263	27	3,797,066	34	5,008,329
Facilities and Equipment	0	0	4	908,930	4	908,930
Instructional Programs	0	0	5	119,163	5	119,163
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>6</u>	<u>334,810</u>	<u>6</u>	<u>334,810</u>
Total	7	1,211,263	42	5,159,969	49	6,371,232

The Graduate School

Awards Received

In the period January 1, 1991, through January 31, 1990

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Aerospace and Mechanical Eng.	Szewczyk	Bluff Body Wake Flows	Department of the Navy	105,000 17
Aerospace and Mechanical Eng.	Nee, Yang	Air-Cooled Heat Sink Study	Intl. Business Machines	25,000 12
Aerospace and Mechanical Eng.	Nee Yang	Air-Cooled Heat Sink Study	Intl. Business Machines	10,000 12
Aerospace and Mechanical Eng.	Mueller	Rotors with Variable Flow Conditions	Department of the Navy	58,895 12
Aerospace and Mechanical Eng.	Mueller	Rotors with Variable Flow Conditions	Department of the Navy	21,105 12
Aerospace and Mechanical Eng.	Nee, Yang	Breathing Cooling Technology	Intl. Business Machines	25,000 12
Aerospace and Mechanical Eng.	Skaar	Camera-Based Manufacturing Control	Department of the Navy	87,807 12
Biological Sciences	Craig	Vector Competence for LaCrosse Virus in <i>Aedes</i>	National Institute of Health	5,258 12
Biological Sciences	Kulpa	Microbial Treatment of Ores	Newmont Metal- lurgical Services	59,290 12
Biological Sciences	Kulpa	Degradation in Anaerobic Films	Amoco Chemical Research Center	65,424 12
Biological Sciences	Goetz	PI/PKC and Ovulation	National Institute of Health	98,638 12
Biological Sciences	Fraser	Transposon Mutagenesis of NPVs	National Institute of Health	1,782 12
Biological Sciences	Craig	Vector Competence for LaCrosse Virus in <i>Aedes</i>	National Institute of Health	296,100 12
Biological Sciences	Saz	Intermediary Metabolism of Helminths	National Institute of Health	224,122 12
Civil Engineering	Westerink	Turbulent Flow Modeling w/ STF Solutions	Texas Engineering Experiment Station	30,210 14
Civil Engineering	Kareem	Wind Effects on Tension Leg Platforms	Texas Engineering Experiment Station	35,245 14

The Graduate School

Chemical Engineering	Leighton	REU Supplement	National Science Foundation	4,732 12
Chemical Engineering	McCready	Capillary Effects in Gas-Liquid Flows	Chevron Res. Co.	5,000 12
Chemistry and Biochemistry	Basu	Glycolipid Metabolism in Normal and Pathological Tissues	National Institute of Health	2,776 12
Chemistry and Biochemistry	Castellino	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institute of Health	213,327 12
Chemistry Biochemistry	Helquist	New Methods in Organometallic and Synthetic Organic Chemistry	National Science Foundation	71,000 12
Chemistry and Biochemistry	Miller	Drugs and Delivery Systems for Opportunistic Infestions	National Institute of Health	3,188 12
Earth Sciences	Rigby	Cretaceous/Tertiary Research	Raymond Cash	50,000 48
Electrical Engineering	McGinn	Superconductivity Center	Purdue University	60,000 12
Electrical Engineering	Sauer, Bauer	Subband/Transform Compression of Video Sequences	NASA - Lewis Research Center	64,979 12
English	Fredman	Lilly Faculty Open Fellowship	Lilly Endowment, Inc.	24,200 11
Physics	Furdyna	II-VI Semiconductors (NSF/MRG)	Purdue University	118,000 12
Physics	Newman	Studies of Ordering in Ternary and Multinary Semiconductors	Department of the Navy	79,992 12
Physics	Bunker	EXAFS Studies of Semiconductor Microstructure	Department of the Navy	111,954 12
Physics	Furdyna	Growth and Ordering of Semiconductors	Department of the Navy	132,952 12
Physics	Furdyna, Giebultowicz, et al.	Neutron Scattering in DMS	National Science Foundation	88,200 12
Physics	Lundeen	Fast Beams	National Science Foundation	187,000 12

AWARDS FOR FACILITIES AND EQUIPMENT

Aerospace and Mechanical Eng.	Stanisic	2 AID 360 Robots & 2 AI Robot Controllers - Equipment	Delco Electric Corp.	0* 12
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The Graduate School

AWARDS FOR INSTRUCTIONAL PROGRAMS

Center for Educ. Opportunity	Blake-Smith, Smith	Upward Bound	Department of Education	257,369 12
Computer Science and Engineering	Uhran, Henry	Electronic Design Automation Workshop	National Science Foundation	81,618 24
Law School	McLean	Food and Law Drug Course	Food and Drug Law Institute	3,500 16

AWARDS FOR SERVICE PROGRAMS

ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy - Publications	Various Others	569 1
ND Center for Pastoral Liturgy	Bernstein	Notre Dame Center for Pastoral Liturgy	Various Others	91 1
Center for Cont. Form. in Min.	Pelton	Notre Dame Center for Continuing Formation in Ministry	Various Others	27,669 1
Inst. for Pastoral Social Ministry	Pelton	IPSM - Media Ministry	Various Others	4,819 1
Inst. for Pastoral Social Ministry	Pelton	Gifts Account	Various Others	25,050 1
Inst. for Pastoral Social Ministry	Pelton	Joseph Kalman Endowment	Various Others	20,000 1
Inst. for Pastoral Social Ministry	Pelton	Institute for Pastoral and Social Ministry	Various Others	25,205 1
Latin/N. American Church Concerns	Pelton	Latin and North American Church Concerns	Various Others	468 1
Programs for Church Leaders	Kelly	Programs for Church Leaders	Various Others	1,605 1

AWARDS FOR OTHER PROGRAMS

Civil Engineering	Taylor	FHWA Assistance	Federal Highway Administration	41,607 7
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*Equipment

The Graduate School

Proposals Submitted

In the period January 1, 1991, through January 31, 1991

Department or Office	Principal	Short Title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Aerospace and Mechanical Eng.	Powers	High Speed Combustion	Department of the Navy	400,756 36
Aerospace and Mechanical Eng.	Paolucci	Turbulent Thermal Convection	National Science Foundation	110,196 24
Aerospace and Mechanical Eng.	Gad-el-Hak, Nee	Performance of Particulate Separator	REXAIR, Inc.	107,056 12
Anthropology	Murphy	Social Change and Economic Models in Post-Trujillo Dominican Republic	University of Pittsburgh	21,408 8
Art, Art History and Design	Vogl	NEA Painting Fellowship	Natl. Endowment for the Arts	22,305 12
Biological Sciences	Kulpa	Microbial Treatment of Ores	Newmont Metal- lurgical Services	72,496 12
Biological Sciences	Hyde, O'Tousa	Drosophila Retinal Degeneration B in Visual Transduction	National Institute of Health	153,265 12
Biological Sciences	Kulpa	Anaerobic Biodegradation of Phenol	Department of the Navy	321,313 36
Ctr. for Bioeng. Pollution Cnt.	Bumpus	Enzymology of Organopollutant Metabolism	Department of the Navy	275,246 36
Civil Engineering	St. Amand, Gray, K.	Periphytic Biolayer Mediation of PCB Transfer in Streams	National Science Foundation	26,182 12
Civil Engineering	Ketchum	Treatment of Groundwater in SBRs.	Environmental Protection Agency	171,105 24
Civil Engineering	Irvine	Remediation of Hazardous Waste	Argonne National Lab.	315,789 12
Civil Engineering	Babic	Simulation of Granular Material Behavior in Simple Shear Flow	National Science Foundation	113,822 24
Civil Engineering	Gray, K.	DOE ER/WM Young Faculty Award	Department of Energy	112,370 13
Civil Engineering	Babic	Discrete Element Modeling of Subsurface Processes	Amer. Chem. Soc. Petro Res. Fund	31,069 24
Civil Engineering	Gray, K.	Mechanistic Studies of Semicon- ductor Photocatalysis	National Science Foundation	160,958 24

The Graduate School

Chemical Engineering	Wolf, Fehlnner	CO Hydrogenation on Metallic Glasses	Department of Energy	260,052 36
Chemical Engineering	Varma	Optimal Distribution of Silver Catalyst for Ethylene Epoxidati	Amer. Chem. Soc. Petro Res. Fund	89,220 36
Chemical Engineering	Hill	Flow of Liquid Crystal Polymers	Amer. Chem. Soc. Petro Res. Fund	40,238 12
Chemistry and Biochemistry	Bumpus, Irvine	Regulation of Coal Polymer Degradation	Department of Energy	286,747 36
Chemistry and Biochemistry	Hayes	Studies of the Fragmentation on Molecules on Core Excitation	Research Corp.	63,998 24
Chemistry and Biochemistry	Basu, Basu	Regulation of Poly lactamine-Tumor Antigen Biosynthesis	National Institute of Health	289,858 12
Computer Science and Engineering	Madej	Parallel Algorithms for Protein Folding	National Science Foundation	111,036 24
Electrical Engineering	Stevenson	Design and Analysis of Nonlinear Signal Filter Structures	National Science Foundation	112,369 24
Electrical Engineering	Lemmon	Multigent Search for Learning/Planning in Colony-Style Robots	National Science Foundation	107,309 24
Electrical Engineering	Lemmon	Presidential Young Investigator Award	Department of the Navy	316,086 36
English	Fox	Swift & Vertigo, Mind and Medicine in the 18th Century	Natl. Endowment for the Humanities	1,115
Government and Intl. Studies	Dowty	The Jewish State: Democracy in Israel	National Science Foundation	60,949 4
Physics	Biswas, Kenney, et al.	Particle Production in High Multiplicity Events	National Science Foundation	270,702 12
Physics	Ruchti	Research in High Energy Physics	Department of Energy	420,041 12
Psychology	Bergeman	Serotonin and Impulsive Aggression: A Twin Study	Medical College of PA	11,112 48
Psychology	Anderson	Behavior-Based Approach to Increased Sales	KitchenAid, Inc.	34,134 12
Psychology	Anderson	Development of a Model of "World Class" Service	Whirlpool Corp.	34,103 12
Sociology	Hachen	Job Mobility in Comparative Perspective	National Science Foundation	83,924 12

The Graduate School

PROPOSALS FOR FACILITIES AND EQUIPMENT

Aerospace and Mechanical Eng.	Dunn	Particle Image Velocimetry System	Hasselblad Foundation	151,050 12
Aerospace and Mechanical Eng.	Gad-el-Hak	Water Tunnel's Instrumentation	National Science Foundation	83,400 12
Chemical Engineering	Wolf	Atomic Force and Scanning Tunneling Microscopes	National Science Foundation	52,250 12
Physics	Furdyna, Dobrowska-Furdyna, et al.	Heterovalent Molecular Beam Epitaxy	National Science Foundation	622,230 18

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Art, Art History and Design	Adock	Lilly Endowment/Summer Stipends History of Photography	Lilly Endowment, Inc.	5,000 4
Biological Sciences	Lodge	REU Supplement: Predation, Herbivory and Disturbance	National Science Foundation	5,000 12
English	Jemielity	Lilly Endowment/Summer Stipends Comedy: A Look Behind its Mask	Lilly Endowment, Inc.	5,000 4
English	Brogan	Lilly Endowment/Summer Stipends Feminist Poetics and New Formalism	Lilly Endowment, Inc.	5,000 4
O.S.I.P.A.	Borelli	IMPUS	National Science Foundation	99,163 12

PROPOSALS FOR OTHER PROGRAMS

College of Engineering	Marley	Computational Science Graduate Fellowship Program	Department of Energy	0* 61
Reilly Center	Manier	Conference on Explanation in Neurobiology and Psychology	National Science Foundation	35,651 12
Kellogg Inst. Intl. Studies	Mainwaring	The Conservative Church in Latin America	Natl. Endowment for the Humanities	55,583 9
Romance Lang./Lit.	Cachey, Anadon	Romance Representation of the New World Encounter (1492-1992)	Natl. Endowment for the Humanities	59,963 12
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