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# Notre Dame

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1992-93

## Tierney Supports Center for Social Concerns Programs

The University has received a \$1 million gift from Paul E. Tierney Jr., a partner in Gollust Tierney and Oliver, Inc., to support programs in the Center for Social Concerns.

Earnings from this endowment will permit expansion of the center's experiential learning and service programs and provide partial support for a variety of other center programs.

A Brooklyn native and a 1964 Notre Dame graduate, Tierney spent two years in Chile with the Peace Corps before receiving a master's degree in business administration from Harvard in 1968. Having held a variety of financial investment positions, he formed his own firm for management of investment funds in 1978. Among other business activities, he chairs the board of Technoserve, an economic development organization specializing in strategic investment and business planning services in the Third World. He is also a member of the advisory council for the College of Arts and Letters.

The Center for Social Concerns was established at Notre Dame 10 years ago under the direction of Rev. Don McNeill, C.S.C. Offering a variety of social service programs and academic courses to students, alumni, faculty and staff, the center describes its mission as "the integration of justice and peace concerns into everyday life through formative educational experiences."

# Faculty Notes

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## Appointments

John Christian Olsen III has been appointed the first Arthur Andersen Alumni professor of accounting and information systems at the University. The Arthur Andersen Alumni Chair was established by gifts from Notre Dame alumni and friends associated with Arthur Andersen & Co. Olsen was graduated from Southern Methodist University and received a doctoral degree from Stanford. He comes to Notre Dame from the accounting faculty of the University of Texas at Austin. He is the author of numerous articles in professional publications such as the *Journal of Accounting Research* and the *Accounting Review*. A member of the American Accounting Association and of the Beta Alpha Psi, Beta Gamma Sigma and Alpha Iota Delta professional societies, Olsen is a past recipient of the Texas Society of CPA's Excellence Award.

## Honors

Ahsan Kareem, professor of civil engineering and geological sciences, was elected a member of the board of directors of Wind Engineering Research Council, Inc., a national institute for wind engineering research.

Ralph M. McNerny, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, was elected to serve on the board of governors of Thomas Aquinas College in Santa Paula, Calif.

Michael K. Sain, Freimann professor of electrical engineering, was appointed a member of the Prize (Baker, Fink, Thompson) Papers Award Committee of the Awards Board of the Institute of Electrical and Electronics Engineers for 1993.

Capt. Brian Selling, assistant professor of military science, was selected for promotion to Major by the Department of the Army board in Washington D.C., Feb. 3. The United States Senate has confirmed the promotion.

Todd D. Whitmore, assistant professor of theology, received an award "In Appreciation of Continued Support of the NROTC Unit" from the Trident Naval Society at the University of Notre Dame, Notre Dame, Ind., Sept. 30.

## Activities

John H. Adams, assistant professor of biological sciences, presented a talk "Conserved and Variable Regions of the Plasmodium Merozoite Protein-1 Family Genes" at the annual John Scaife Commemorative lecture and symposium at the University of Edinburgh, Scotland, and spent time in the laboratory of Dr. John Dalton as part of a research collaboration at Dublin City University, Department of Biological Sciences, Ireland, Nov. 26-Dec. 14.

Joseph P. Bauer, professor of law, was invited to be a judge of a moot court exercise in preparation for the plaintiffs' oral argument before the U.S. Supreme Court in the Multistate Insurance Antitrust litigation in Boston, Mass., Feb. 11.

Thomas P. Bergin, director emeritus of continuing education and professor of management, was among a select number of deans invited to participate in the Smithsonian Resident Associate Program "The Place of Nationalism in Our Independent World." The discussions were hosted by the ambassadors of South Africa, Great Britain, Northern Ireland, Russian Federation, Czech Republic and Korea, all of which were held at their various embassies, Feb. 3-5.

Bruce A. Bunker, associate professor of physics, presented the invited talk "X-ray Studies of Off-Center Ions and Ferroelectricity in IV-VI and II-VI Semiconductors" by Zhihai Wang and Quazi Islam at the international workshop on Fundamental Experiments in Ferroelectrics in Williamsburg, Va., Feb. 14-16.

Daniel J. Costello Jr., chairperson and professor of electrical engineering, co-authored three papers with graduate students that were presented at the IEEE international symposium on Information Theory in San Antonio, Tex., Jan. 18-22. The papers were "A New Bound on the Free Distance of Rate  $1/n$  Convolutional Codes" with Y. Levy, "Using a Modified Transfer Function to Calculate Unequal Error Protection Capabilities of Convolutional Codes" with D.G. Mills, and "On the Design Criteria for Trellis Codes with Sequential Decoding" with F.Q. Wang.

George B. Craig Jr., Clark professor of biology, gave the address "An Easy Sell: Enthusiasm about Insects Comes Naturally" in the formal conference on Teaching Entomology at the annual meeting of the Entomological Society of America in Baltimore, Md., Dec. 5-12. He delivered a paper titled "Update on *Aedes albopictus*" at the annual meeting of the Michigan Mosquito Control Association in Detroit, Mich., Feb. 3-5.

## Faculty Notes

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**Xavier Creary**, professor of chemistry and biochemistry, presented a seminar titled "Reactive Intermediates Derived From Diazirines" to the Department of Chemistry at Howard University in Washington, D.C., Feb. 3.

**Lawrence S. Cunningham**, chairperson and professor of theology, was interviewed on WGN Radio of Chicago on the Catechism of the Catholic Church, Nov. 17. He was filmed for a documentary on Christmas in America for Nippon National Television, Japan, Nov. 19. He gave an interview on Woman's Ordination for "All Things Considered" on National Public Radio, Nov. 19.

**Julia V. Douthwaite**, assistant professor of romance languages and literatures, presented "Relocating the Exotic Other in Graffigny's *Lettres d'une Péruvienne*" at the annual meeting of the Modern Language Association in New York, N.Y., Dec. 29.

**John G. Duman**, associate dean and professor of biological sciences, gave the invited talk "Thermal Hysteresis (Anti-freeze?) Proteins" at the Gordon conference on Temperature Stress in Plants held in Oxnard, Calif., Feb. 2-7. He delivered the invited talk on Thermal Hysteresis Proteins at the Department of Biology at the University of Waterloo in Ontario, Canada, Jan. 12-13.

**Harald E. Esch**, professor of biological sciences, gave a presentation on his recent research activities at the ESA meeting in Baltimore, Md., Dec. 5-11.

**Stephen A. Fredman**, associate professor of English, was surprised and honored to attend a panel at the Modern Language Association convention devoted to exploring further implications of his book, *Poet's Prose*. The panel "Poet's Prose" was arranged by the Division on Poetry and was held in New York, N.Y., Dec. 30.

**Jean-Francois Gaillard**, assistant professor of civil engineering and geological sciences, gave the invited seminar-lecture "Geochemical Processes during Early Diagenesis and Presentation of the Sedimentary Record," in French, at GEOTOP: a research center of the University of Quebec at Montreal and McGill University, Montreal, Quebec, Canada, Feb. 8.

**Teresa Ghilarducci**, associate professor of economics, presented a paper "Pension Funds and Economic Development" at the American Economics Association meetings in Anaheim, Calif., Jan. 4.

**William J. Goralski**, visiting assistant professor of art, art history and design, collaborated with product design student Ann-Marie Conrado on the work "Environmental Wall" on display at the Snite Museum of Art Annual Faculty Show, Notre Dame, Ind., Jan 31.

**Nathan Hatch**, vice president for graduate studies and research and professor of history, delivered the Bartlett Lecture in American Religious History on the topic "The Puzzle of American Methodism" at the winter convocation of the Yale Divinity School in New Haven, Conn., Feb. 9.

**Ronald A. Hellenthal**, associate professor of biological sciences and director of the Environmental Research Center, presented an invited talk titled "The ASC Museum Model" at the annual meeting of the Entomological Collections Network held at the USDA Agricultural Research Center in Beltsville, Md., Dec. 5.

**Lt. James M. Jenista**, assistant professor of naval science, delivered a multimedia computer presentation titled "Multimedia and NROTC: Tomorrow's Classroom Today" at the annual conference of Professors of Naval Science in Pensacola, Fla., Jan. 3-9.

**Ahsan Kareem**, professor of civil engineering and geological sciences, chaired a session on Computational Techniques in the Analysis of Wind Excited Structures and presented a paper titled "Simulation of Boundary Layer Flow Over a Rigid Wavy Surface by LES" at the first international conference on Computational Wind Engineering in Tokyo, Japan, Aug. 21-24. He delivered the keynote lecture "Nonlinear Stochastic Response of Structures to Wave Loads" at the 29th Polish Solid Mechanics Conference in Ryto, Poland, Sept. 3. He presented two papers titled "Equivalent Statistical Quadratization of Nonlinear Hydrodynamic Loads on TLPs" and "Response Statistics of Tension Leg Platforms Under Wind Loads" and chaired a session on the Dynamics of Offshore Platforms at the international conference on Civil Engineering in the Ocean in College Station, Tex., Nov. 2-5.

**Anthony N. Michel**, McCloskey dean and Freimann professor of electrical engineering, presented a seminar titled "Feedback Neural Networks for Associative Memories" as part of the distinguished lecture series of the Department of Electrical and Computer Engineering at Iowa State University in Ames, Iowa, Feb. 11.

**Juan C. Migliore**, associate professor of mathematics, gave the talk "The General Lifting Problem" at the Curves Seminar at Queen's University in Kingston, Ontario, Feb. 1. He gave the colloquium titled "Les Liaisons sans Danger" at that university, Feb. 5.

**Jerome H. Neyrey, S.J.**, professor of theology, gave the featured talk "John 18-19 — The Cultural Values of Honor and Shame" at the regional meeting of Society of Biblical Literature and the American Society of Oriental Research in Toronto, Canada, Feb. 14.

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Rev. Thomas O'Meara, O.P., Warren professor of theology, gave the lecture "The Future of Doctoral Programs in Theology at Catholic Universities" at St. Louis University in St. Louis, Mo., Jan. 29.

Morris Pollard, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, was an invited participant to the symposium on Molecular Oncology sponsored by the Coleman Foundation at the Washington University Medical Center in St. Louis, Mo., Feb. 5.

Kathleen Pyne, assistant professor of art, art history and design, read the paper "James McNeill Whistler and the Political Implications of the Urban Picturesque" at the College Art Association 81st annual conference in Seattle, Wash., Feb. 6.

Charles M. Rosenberg, associate professor of art, art history and design, chaired the session titled "The Public Spaces of Italy: 1250-1600" at the annual meetings of the College Art Association in Seattle, Wash., Feb. 4.

Michael A. Signer, Abrams professor of Jewish thought and culture, theology, presented "Jewish-Christian Relations: A Jewish Problem" to the Chicago Association of Reform Rabbis in Skokie, Ill., Feb. 9. He presented "Approaches to Jewish-Christian Relations" to the American Jewish Committee in Winnetka, Ill., Feb. 15. He gave the talk "Prayer and the Spiritual Quest" at the Clergy Institute of Temple DeHirsch-Sinai at Seattle University in Seattle, Wash., Feb. 25-26.

Ajit Singh, Scholl professor of economics, presented the paper "'Close' vs. 'Strategic' Integration with the World Economy and the 'Market-friendly Approach to Development' vs. an 'Industrial Policy': A Critique of the World Development Report 1991 and an Alternative Policy Perspective" at the joint World Bank/UN University/UNCTAD/Group of 24 symposium on Economic Reform in the Developing Countries: Issues for the 1990s, held in Washington, D.C., Feb. 6.

Todd D. Whitmore, assistant professor of theology, gave the papers "Do Rivers and Forests have Rights?: A Response to C. Wesley Smith, Executive Vice President, International Paper" and "The Common Good, Business, and the Environment: A Response to Richard G. Starman Sr., Senior Vice President, McDonald's Corporation" at the conference "Business Leadership in the Environmental Crisis" sponsored by the Notre Dame Center for Ethics and Religious Values in Notre Dame, Ind., Sept. 30. He co-directed the John Courtney Murray Symposium funded by the Lilly Endowment at the Woodstock Theological Center in Washington, D.C., Oct. 30-Nov. 1. He gave the talk "Abortion and Social Responsibility" to the Trident Naval Society of Notre Dame in Notre Dame, Ind., Nov. 11. Whitmore chaired a session on "Families and the Social Order" and moderated the discussion of Susan Moller Okin's *Justice, Gender and the Family* at the Society of Christian Ethics in Savannah, Ga., Jan. 9.

Rev. Oliver F. Williams, C.S.C., associate provost and associate professor of management, presented "Ethics in the Marketplace" to Georgetown University and the Notre Dame Club of Washington, D.C., at Georgetown University in Washington, D.C., Feb. 8.

## Academic Council Minutes December 9, 1992

**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, Harold Attridge, Francis Castellino, Fernand Dutile, John Keane, Eileen Kolman, Anthony Michel, Robert C. Miller, Richard Sheehan, Frank Bonello, Cornelius Delaney, Maria Rosa Olivera-Williams, Mark Pilkinton, John Roos, Thomas Werge, Robert Hayes, Mario Borelli, William Shephard, Mark Herro, Arvind Varma, Bill McDonald, Carolyn Callahan, Carol Mooney, Maureen Gleason, Regina Coll, C.S.J., Kenneth DeBoer, Edward Marcheschi, Reynold Nesiba

**Observers in Attendance:** Douglass Hemphill, Dennis Moore and James O'Brien Jr.

**Guests from the University Code of Honor Committee:** Kamila Benson, Edward Kline, Kevin Schroeder, Oliver Williams, C.S.C.

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

1. **Minutes.** Prof. Schmitz informed the council that the minutes of the November 12 meeting, sent for review to all members in advance of this meeting, had been amended at the suggestion of Dean Kolman to include the suggestion that consideration be given to interspersing study days and final examination days when future academic calendars are drafted. The minutes, so amended, were approved.

2. **Chairs of Standing Committees.** The three standing committees announced the results of their elections of chairs as follows: Dr. DeBoer of the Faculty Affairs Committee, Prof. Roos of the Graduate Studies Committee, and Profs. Bonello and Delaney (co-chairs) of the Undergraduate Studies Committee.

3. **Continuation of the Discussion on the Academic Code of Honor.** Prof. O'Meara opened the discussion by setting forth as its purpose the gathering of views rather than a presentation of items for a formal vote. Views expressed here will then be incorporated by the University Academic Code of Honor Committee in a redrafted document. During the remainder of the meeting, the Council discussed the introduction section of the *Academic Code of Honor Handbook* and the section entitled "Student and Faculty Responsibilities Under the Code of Honor." Copies of the handbook were sent to all members in advance of the meeting.

**The Introduction Section.** Prof. O'Meara suggested that the council begin by considering the approval of this section with the exception of certain likely controversial points. He recommended that because these points are addressed in greater detail elsewhere in the handbook, the following should be deferred for later discussion: the reference on page 1 to the commitment of each "student to take action when academic dishonesty occurs," the reference on page 2 to each student's responsibility to "warn the individual to abandon dishonesty," and the language on page 3 which pledges each student "to accept the responsibilities" inherent in the code. He recommended further that the emphasis on a "global" code of honor at the beginning of the document be refocused on a purely *academic* code of honor as a first step to be taken at this time.

Prof. O'Meara informed the council that one member had written in response to his solicitation at the previous meeting for written suggestions for amending the introduction. That response was from Prof. Sheehan; copies of his memo had been sent to all members. Prof. O'Meara noted that Prof. Sheehan's memo addressed two of the above points. Addressing a third point in the memo about the likelihood that student representation on the University Code of Honor Committee has been biased in favor of the code, Prof. O'Meara opined that any such bias would not be relevant now since the entire community has had five years of experience with the code. Individuals should be prepared now to make judgments based on their own experiences. He added that there has been enough time for experimenting and pondering; it is now time for a decision.

Discussion followed concerning the application of the code to graduate students and faculty. With respect to the former, Prof. Hatch and Dean Castellino stated that although the Graduate School does not have an academic honor code *per se*, established procedures exist for dealing with academic dishonesty in both classroom and research environments. Dean Kolman added that including discussion of graduate students within an academic honor code that was constructed around undergraduates only complicates an already difficult task. It would be better, she said, to pursue such a discussion in a separate context. Prof. Delaney added a similar caution with regard to language which would include faculty in the code in the same way undergraduates are included. Faculty responsibilities should be phrased only in terms of their commitment to the realization of the code, he said. Prof. Schmitz noted that such language already exists in the section of the handbook that deals with faculty responsibilities.

The language on page 2 concerning the "good will and Christian spirit of each student" was discussed in terms of its possible exclusionary tone. Since a number of students are not Christian, it was suggested that this language might be revised to maintain the emphasis on Christian spirit but

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eliminate the application of "Christian" to each student. All of the above views having been noted for purposes of revision by the University Code of Honor Committee, Prof. O'Meara proposed that the discussion move forward to other sections of the handbook.

**Academic Dishonesty.** Within the section on "Student and Faculty Responsibilities Under the Code of Honor," discussion focused first on how best to define what conduct constitutes academic dishonesty. Prof. O'Meara observed that the existing language (paragraph A.1.b.) classifies "any kind of dishonesty related to academics" as a violation of the code — not only that related to giving or receiving unauthorized aid on an examination, assignment, paper or lab report. He asked for opinions on whether this is in fact the most desirable definition. Differing views were presented concerning the practicality of such a broadly based definition as given in A.1.b on pages 4 and 5. Prof. Borelli recommended that the tone on these pages be made less defensive and the language more straightforward. Prof. Sheehan argued that the parameters which define a violation of the code must be set forth and explained by each instructor, rather than leaving that definition to this part of the handbook alone. Fr. Williams interjected that subsequent language in this section (paragraph B.1.b.) says precisely that. Prof. Varma offered that the handbook could be strengthened by juxtaposing the parts of a particular component of the code. Prof. Roos agreed, arguing the importance of emphasizing the instructor's responsibility for defining explicitly what constitutes a violation in his or her course. Prof. Mooney suggested language that would presume student consultation outside of tests and examinations to be authorized, except as otherwise explicitly prohibited by the professor.

**The Pledge.** Prof. O'Meara began this part of the discussion by asking for opinions concerning whether the pledge should be made by all students once, or made in conjunction with each assignment. Fr. Beauchamp spoke in favor of a pledge which would effectively highlight the importance of the Academic Code of Honor. The presumption would be that taking such a pledge once presumes a commitment to comply with the code throughout a student's undergraduate career. Prof. Herro added that taking the pledge once implies that the student is trusted; requiring a second statement at the conclusion of each assignment demands that trust. On the other side of the issue, Prof. Shephard and Dean Kolman argued that a pledge taken at the beginning of the freshman year is not sufficient in itself. Some way of educating and reminding students of the code and their responsibilities under it, such as signing a pledge in conjunction with every examination, serves as an effective reminder that an academic honor system is in place. Profs. Callahan and Borelli felt that written or verbal reminders to the students concerning the code are effective. Such reminders are entirely consistent with a helpful spirit

of education, and have not led to any objections from students. The sense of the group was that a one-time University pledge is more appropriate than repeated signings, but that this policy should be accompanied by language in the redrafted handbook which emphasizes the need for constant reminders by the faculty of student responsibilities under the honor system. Speaking from the students' perspective, Ms. Benson and Mr. Schroeder endorsed this course of action.

Prof. Delaney asked if the wording of the pledge makes it clear that we regard cheating to be a violation of our fundamental moral principles. Those taking the pledge should be aware of the moral obligation distinctive to their status as *student*. Fr. Malloy ruminated that the real question concerns the moral weight or ethical significance students attach to the pledge and to the code itself. Although the code does teach, he said, it would be a mistake to presuppose that the vast majority accept the statement that violations of the code are a moral matter. Prof. Dutile felt that while students might argue that their responsibilities under the code were not made clear, they all understand that cheating is morally wrong. Profs. Roos and Delaney spoke in favor of language in the pledge which would underscore student commitment and moral obligation.

Prof. Sheehan argued that the ultimate objective of the code is to influence the behavior our students will exhibit years after graduation. This being the case, he continued, it should be noted in the introduction that the code is established as an intermediate step to a broader Code of Honor. Prof. O'Hara said that if the code were envisioned as an all-encompassing instrument that would replace the existing student behavioral code, it would represent a fundamental change that would have to be thought through carefully. Dean Kolman expressed reluctance to endorse language that would commit the University to a further step. Prof. Roos suggested language that would describe the code as a natural outgrowth from an intellectual community that depends on honesty for the conduct of all its business. Although restricted to purely academic concerns, the code reflects the principle of honor which underpins all conduct within the University.

**Reporting and Nontoleration.** Prof. O'Meara reviewed the actions required of students who witness academic dishonesty. Fr. Williams said that students have initiated approximately 15 percent of the cases that have been reported. Mr. Marcheschi commented that even though no students have turned themselves in, the requirement to do so should still be stated in the code to underline the seriousness attached to academic dishonesty. Dean Castellino agreed, saying that the statement emphasizes the trust being placed in the students.

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Fr. Beauchamp expressed concern that by permitting anonymity the code removes an individual's right to confront his or her accuser. He argued that this engenders mistrust within the community. Fr. Williams noted that the impetus for including the anonymity provision came from the students, who had learned of a similar anonymity clause at Princeton during an Honor Code Conference and believed it would be an effective way to overcome feelings of intimidation which may prevent reporting. In actual fact, he continued, about half of the 10 or 12 student-initiated cases each year have been reported anonymously. Fr. Malloy questioned whether anonymity resulted in discovery of a worthwhile proportion of cases of cheating. If thousands of cases of cheating occur and only 10 are brought to the surface, he said, anonymity may not be worth the price in terms of the questions Fr. Beauchamp raised.

Fr. Williams acknowledged that cheating does not seem to be a serious problem at Notre Dame, but he argued that anonymity still serves a good purpose by helping to overcome intimidation. In response to Prof. Varma's observation that the low number of reported cases did not speak highly for the effectiveness of the anonymity provision, he said that the level of cheating here was far less than the 67 percent figure reported as an average by *The Chronicle*. Ms. Gleason noted that 41 percent of the faculty surveyed had indicated that they had detected dishonesty and had handled it without making any report. Prof. Sheehan added that by his calculations from the student survey, it is possible that as many as 3,000 cheating incidents occur each semester at Notre Dame.

Dean Castellino felt that the right to confront one's accuser is significant enough that it should be protected by the code. Prof. Sheehan pointed out that procedures described in the handbook require corroboration of an anonymous report of dishonesty. Dean Attridge argued that if the reported violation proceeds to the point of a charge of dishonesty against a student and no other way exists to verify the allegation, the accuser ought to be made known to the accused. Prof. Mooney and Dean Dutile stated that from a legal perspective, anonymity can be maintained while an allegation is being investigated. Once the investigative stage is completed, however, they agreed with Fr. Beauchamp that fairness requires protecting the rights of the accused in any further action. Dean Dutile added, however, that the accuser's identity may be inconsequential and need not be revealed if the accusation leads to incontrovertible evidence of dishonesty. Fr. Williams assured the council that no allegations are truly anonymous; all allegations are dealt with face-to-face. He expressed reservations concerning the value to be gained from revealing the identity of the accuser when the absence of corroborating evidence makes further action improbable. Prof. Callahan said that in her experience, students who have been called before the departmental honesty committee have taken responsibility

for their dishonesty rather than questioning the source of the allegation. Sr. Coll wondered what we were teaching students by permitting them to make anonymous reports rather than encouraging them to come forward.

Prof. O'Meara summarized the discussion as an interplay between the argument for moral education and the argument for effective practice. The sense of the council was that that while anonymity can be sanctioned, any action beyond investigation will require the student to reveal his or her identity or will necessitate corroboration by other evidence.

**The Nontoleration Clause.** Dean Kolman stated that the nontoleration clause ("If a student tolerates dishonesty, he or she is in violation of the Code of Honor.") presents significant problems because it is not a commonly held principle among students. Retaining the clause in the face of widespread lack of support from students or faculty is both unrealistic and questionable from an educational point of view, she added. Dean Attridge supported removing the clause itself (i.e., the sentence quoted above) while retaining the language which directly precedes and follows it. Prof. Borelli argued that the real problem is not the nontoleration clause itself, but the language that equates cheating and nontoleration in a way not commonly accepted. Dean Castellino emphasized that a nontoleration clause is crucial if there is to be an Honor Code; without it, a student can remain silent in the face of cheating and thereby judge the case arbitrarily rather than presenting it to an honesty committee. Lt. Col. O'Brien pointed out that nontoleration is mandated by the commitment in the code to "assist one another in maintaining and promoting personal integrity." Its importance, he said, is that it reinforces the value of the rest of the code.

Prof. Delaney observed that the effect of a nontoleration clause is to necessitate the same punishment for one violation as for the other. Prof. O'Hara suggested that a nontoleration clause could exist without necessarily equating cheating and nontoleration and therefore the sanctions attached to these violations. Prof. Delaney replied that the clause itself still implies a violation and a penalty, and that is something which students find unacceptable. Prof. O'Meara said that among the executive committee, fewer than half of the members felt that failure to report an observed incident of dishonesty constituted immoral conduct.

Given the questionable level of support for the nontoleration clause, Dean Dutile felt that insisting on giving nontoleration a moral connotation would weaken support for the rest of the code. He suggested replacing the clause with language saying, in effect, that in coming to Notre Dame, students agree to accept responsibility for reporting instances of cheating. The effect of this would be to distinguish between the moral responsibility not to cheat and the contractual responsibility to report cheating.



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Dean Keane wondered whether we neglect our educational mission if we fail to sensitize students to the importance of reporting dishonesty and misconduct in life. Dean Attridge responded that indicating to students that they have a contractual responsibility to take action does imply a moral obligation. Prof. Callahan said that it is essential to specify that failure to take action will result in some type of sanction. Without such a connection, we fail to teach them not to be passive bystanders.

**Examinations and Proctoring.** The language in paragraph B "Faculty and Teaching Assistant Responsibilities Under the Code of Honor" beginning on page 7 was endorsed without question by the council. Prof. Roos and others emphasized the important part faculty could play in establishing an academic environment which decreases the possibility of cheating, and he said that the code should stress their responsibility to do so.

Discussion then moved to the definition of proctoring as opposed to functioning as a resource person during an examination. Dean Castellino felt that the language in the last sentence of paragraph B.2.b. ("Faculty members may be present in rooms during examinations as resource persons.") should be deleted because its effect is to permit proctoring. Prof. Callahan agreed emphatically. Prof. Borelli and others argued that without the presence of a resource person legitimate questions could not be answered during an examination. Prof. Varma noted that preceding language in the paragraph covered this concern. Dean Kolman argued that in a large examination setting such as Stepan Center, it is irresponsible and unrealistic not to have faculty present to answer questions, keep track of time, and maintain order. Prof. Mooney said that in the Law School this issue is resolved by the faculty member returning to his or her office and taking questions there. Mr. Schroeder and Ms. Benson offered that students do not necessarily equate proctoring to acting as a resource person. They commented that if the fact of faculty presence in the room is an issue, perhaps the instructor could go to another room in the building. Dean Dutile cautioned that forbidding faculty to enter an examination room might be inconsistent with the establishment of an environment that would minimize the temptation to cheat. Fr. Williams pointed out that the sentence in question had been added to the original draft because some faculty wanted to ensure their ability to go into the classroom as resource persons.

After more discussion in the same vein, an informal poll indicated that the sense of the group is to leave the section (B.2.b.) of the handbook intact.

A short discussion followed concerning the language in the code that precludes faculty members from taking action outside the Honesty Committee against students who have cheated. Several faculty have indicated that they believe these committees are not working effectively. Fr. Williams proposed adding a sentence which authorizes faculty to take action independently, while giving the student the right of appeal to an honesty committee. Fr. Malloy observed that this would bring the document more in line with what actually transpires. Prof. O'Meara asked Fr. Williams and the Academic Code of Honor Committee to make the changes already discussed and peruse the rest of the handbook in light of what has been said at this meeting. He stated that the revised version would then be brought back to the council for further action.

The meeting adjourned at 5:05 p.m.

Respectfully submitted,

Roger A. Schmitz  
Secretary of the Academic Council

# Documentation

## University Committee on Libraries January 7, 1993

The meeting was called to order at 4 p.m. in the office of the director of libraries by the chairman, Robert Scheidt. Also in attendance were Harvey Bender, Maureen Gleason, Robert Miller, Michael Morris, Dan Sheerin, Donald Sniegowski and secretary Melodie Eiteljorge.

The minutes of the meeting of December 3 were approved as written.

Robert Scheidt received a letter from Father Malloy in response to the committee's resolution. Father Malloy stated that the libraries are a high priority for the next campaign.

Robert Miller reported that the trial project of keeping the Hesburgh Library open 24 hours per day during exam period was very successful. A sample of patron counts was given:

Date	3 a.m.	5 a.m.
December 14	111	43
December 15	183	95
December 16	184	112
December 17	218	95
December 18	134	77

Miller also reported that within the next three to four weeks a new version of NOTIS will be implemented. It will include a new opening screen called Navigator with accessibility to the catalogs of Bethel College, Saint Mary's College, and eventually, Holy Cross College.

On April 23 the libraries will kick-off "Two Million and 30 Reasons to Celebrate" with a dinner sponsored by the Friends of the Library. The combined celebration of the acquisition of the libraries' two millionth volume and the 30th anniversary of the Hesburgh Library will take place over the period of a year and will include lectures, a community open house, a publication on the history of the libraries, etc. The Library Advisory Council has established a special fund to underwrite part of the cost.

Scheidt asked about the message "check shelf" in UNLOC. Miller replied that this is now the default for a book that is not charged to a patron.

Donald Sniegowski asked if our circulation period for bound journals is consistent with that of other institutions. Maureen Gleason replied that it is and that some institutions do not circulate bound journals.

Miller distributed a Special Issue of MOSAIC, devoted to Total Quality Management (TQM). The libraries are undertaking a pilot program for TQM.

Miller also distributed a handout with instructions for CARL UNCOVER, which is now available through the libraries. He requested an article from *Journal of Forecasting* in the morning and received it by telefax in the afternoon.

A newsletter, *Future Mapping, The Future of Publishing Update* was distributed. There appear to be dramatic changes in what publishers expect to happen within the next few years, with a shift toward electronic publishing.

### BUDGET:

Miller reported that most likely there will be a deficit in the serials budget which must be resolved. Variations in funds should enable us to handle it this year. For next year and the years ahead, however, we need to consider possible restructuring of the budget to ensure effective use of available funds and appropriate involvement in decision-making. Approximately 25 percent of the acquisitions budget is funded by endowment, most of which is restricted. Another element to consider is approval plans, which are expensive but considered critical by many. For the next meeting, Miller and Gleason will prepare a document on alternatives to deal with budget problems. Harvey Bender suggested that the deans should be a part of this. Miller replied that he will be making a presentation to the Provost's Advisory Committee in the future.

The next meeting is scheduled for February 10, 3:30 p.m. in the office of the director. There being no further business, the meeting adjourned at 5 p.m.

Respectfully submitted,

Melodie Eiteljorge  
Secretary

# The Graduate School Research Division

## Current Publications and Other Scholarly Works

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

### COLLEGE OF ARTS AND LETTERS

#### Art, Art History and Design

- Brogden, Sally B.  
S.B. Brogden. 1992. Ceramic Sculpture. The Art Gallery, Southwestern Michigan College, 1992 Ceramics Invitational Exhibit, Dowagiac, Michigan.  
S.B. Brogden. 1992. Ceramic Sculpture. Habatat/Shaw Gallery, Farmington Hills, Michigan.  
Pyne, Kathleen A.  
K.A. Pyne. 1992. Resisting Modernism: American Painting in the Culture of Conflict. Pages 289-317 in, T.W. Gaehtgens and H. Ickstadt, eds., *American Icons: Transatlantic Perspectives on Eighteenth- and Nineteenth-Century American Art*. The Getty Center for the History of Art and the Humanities, Santa Monica, California.

#### English

- Dougherty, James P.  
J.P. Dougherty. 1993. Walt Whitman and the Citizen's Eye. Louisiana State University Press, Baton Rouge, Louisiana. xxi + 327 pp.

#### German and Russian Languages and Literatures

- Schaum, Konrad J.  
K.J. Schaum. 1992. Dramatik, Ethik und Tragik bei Grillparzer. Pages 51-67 in, S. Klettenhammer, ed., *Zwischen Weimar und Wien*. Grillparzer. Ein Innsbrucker Symposium. Institut für Germanistik, Universität Innsbruck. Germanistische Reihe, Innsbruck, Austria.  
Williams, Ursula M.  
U.M. Williams. 1992. Some Dinosaurs Don't Die, They Evolve. International Association for Learning Laboratories *Journal for Language Learning Technologies* 25(3):75-78.

#### Government and International Studies

- Francis, Michael J.  
M.J. Francis. 1992. A Response to Rethinking Development. *Christian Century* 109(36):1135-1136.

#### History

- Kselman, Thomas A.  
T.A. Kselman. 1993. *Death and the Afterlife in Modern France*. Princeton University Press, Princeton, New Jersey. xvii + 413 pp.

#### Philosophy

- McInerny, Ralph M.  
R.M. McInerny. 1992. Ethics and Metaphysics. Page 204 in, M.B. Lukens, ed., *Conflict and Community*. Peter Lang, New York, New York.

#### Psychology

- Howard, George S.  
G.S. Howard. 1992. Behold Our Creation! What Counseling Psychology Has Become—and Might Yet Become. *Journal of Counseling Psychology* 39:406-434.  
G.S. Howard. 1992. Can There Be a Just and Moral Social Constructionist Psychology? Pages 151-165 in, D.L. Robinson, ed., *Social Discourse and Moral Judgment*. Academic Press, New York, New York.  
G.S. Howard. 1992. Converting Discourse into Evidence. Review of the Discursive Social Psychology of Evidence. *Contemporary Psychology* 37:78-79.  
G.S. Howard. 1992. In Stories We Trust: Studies of the Validity of Autobiographies. *Journal of Counseling Psychology* 39:398-405.  
G.S. Howard. 1992. No Middle Voice. *Theoretical and Philosophical Psychology* 12:12-26.  
G.S. Howard. 1992. On the Other Hand. Review of Exploring Research. *Contemporary Psychology* 37:491-492.  
G.S. Howard. 1992. Projecting Humanistic Values into the Future: Freedom and Social Activism. *Humanistic Psychologist* 20:260-272.  
G.S. Howard. 1992. Stories, Stories Everywhere: But Not a Truth to Think. *International Journal of Personal Construct Psychology* 6:99-104.  
G.S. Howard. 1992. Where Were You When the Earth was Dying? Review of Earth in the Balance. *Contemporary Psychology* 37:1141-1143.  
G.S. Howard. 1992. William James—Closet Clinician. Pages 293-312 in, M.W. Donnelly, ed., *Reinterpreting the Legacy of William James*. American Psychological Association, Washington, D.C.

#### Romance Languages and Literatures

- Cachey, Theodore J., Jr.  
T.J. Cachey, Jr. 1992. Between Humanism and New Historicism: Rewriting New World Encounter. *Annali d'Italica: 1990 Images of Columbus and the New World in Italian Literature* 10(1992):28-46.

# The Graduate School Research Division

## Theology

Sterling, Gregory E.

- G.E. Sterling. 1992. Creatio Temporalis, Aeterna, vel Continua? An Analysis of the Thought of Philo of Alexandria. *Studia Philonica Annual* 4:15-41.

## COLLEGE OF SCIENCE

### Biological Sciences

Lamberti, Gary A.

- T.P. Ehrman and G.A. Lamberti. 1992. Hydraulic and Particulate Matter Retention in a 3rd-Order Indiana Stream. *Journal of the North American Benthological Society* 11(4):341-349.
- T.N. Pearsons, H.W. Li and G.A. Lamberti. 1992. Influence of Habitat Complexity on Resistance to Flooding and Resilience of Stream Fish Assemblages. *Transactions of the American Fisheries Society* 121:427-436.
- G.A. Lamberti, S.V. Gregory, C.P. Hawkins, R.C. Wildman, L.R. Ashkenas and D.M. DeNicola. 1992. Plant-Herbivore Interactions in Streams near Mount St. Helens. *Freshwater Biology* 27:237-247.

### Chemistry and Biochemistry

Castellino, Francis J.

- L. Zhang and F.J. Castellino. 1992. Influence of Specific  $\gamma$ -Carboxyglutamic Acid Residues on the Integrity of the Calcium-Dependent Conformation of Human Protein C. *Journal of Biological Chemistry* 267(36):26078-26084.

Miller, Marvin J.

- A. Brochu, N. Brochu, T.I. Nicas, T.R. Parr, Jr., A.A. Minnick, Jr., E.K. Dolence, J.A. McKee, M.J. Miller, M.C. Lavoie and F. Malouin. 1992. Modes of Action and Inhibitory Activities of New Siderophore- $\beta$ -Lactam Conjugates that Use Specific Iron Uptake Pathways for Entry into Bacteria. *Antimicrobial Agents and Chemotherapy* 36(10):2166-2175.

Thomas, J. Kerry

- R.J. Kavanagh, K.-K. Iu and J.K. Thomas. 1992. Spectroscopic Determination of Refractive Index and Dielectric Constant at Interfaces, Using Photophysical Probe Molecules. *Langmuir* 8:3008-3013.

### Mathematics

Shaw, Mei-Chi

- M.-C. Shaw. 1992. Local Existence Theorems with Estimates for  $2_p$  on Weakly Pseudo-Convex CR Manifolds. *Mathematische Annalen* 294:677-700.

## Physics

Livingston, A. Eugene

- H.G. Berry, R.W. Dunford and A.E. Livingston. 1993. Comparisons of the QED and Relativistic Parts of the Triplet-State Energies in the Heliumlike Sequence. *Physical Review A* 47:698-701.

## COLLEGE OF ENGINEERING

### Aerospace and Mechanical Engineering

Jumper, Eric J.

- E.J. Jumper, R.C. Nelson and K. Cheung. 1993. A Simple Criterion for Vortex Breakdown. Pages 1-12 in, Proceedings of the 31st Aerospace Sciences Meeting. American Institute of Aeronautics and Astronautics, Reno, Nevada.
- E.J. Jumper, M. Newman, D.R. Kitchen and W.A. Seward. 1993. Recombination of Nitrogen on Silica-Based, Thermal-Protection-Tile-Like Surfaces. Pages 1-10 in, Proceedings of the 31st Aerospace Sciences Meeting. American Institute of Aeronautics and Astronautics, Reno, Nevada.

Nelson, Robert C.

- See under Jumper, Eric J. 1993. Pages 1-12 in, Proceedings of the 31st Aerospace Sciences Meeting.

Stanisic, Michael M.

- M.M. Stanisic, K. Lodi and G.R. Pennock. 1992. The Application of Curvature Theory to the Trajectory Generation Problem of Robot Manipulators. *Journal of Mechanical Design* 114:677-680.

### Chemical Engineering

Varma, Arvind

- A. Gavrilidis and A. Varma. 1993. Influence of Loading on Metal Surface Area for Ag/ $\alpha$ - $\text{Al}_2\text{O}_3$  Catalysts. *Journal of Catalysis* 139:41-47.
- R.G. Pigeon and A. Varma. 1992. Quantitative Phase Analysis of  $\text{Si}_3\text{N}_4$  by X-Ray Diffraction. *Journal of Materials Science Letters* 11:1370-1372.
- J.-P. Lebrat and A. Varma. 1992. Self-Propagating High Temperature Synthesis of  $\text{Ni}_3\text{Al}$ . *Combustion Science and Technology* 88:211-221.
- J.-P. Lebrat and A. Varma. 1992. Some Further Studies in Combustion Synthesis of the  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  Superconductor. *Combustion Science and Technology* 88:177-185.

### Civil Engineering and Geological Sciences

Makris, Nicos

- R.P. Shaw and N. Makris. 1992. Green's Functions for Helmholtz and Laplace Equations in Heterogeneous Media. *Engineering Analysis with Boundary Elements* 10:179-183.

# The Graduate School Research Division

## COLLEGE OF BUSINESS ADMINISTRATION

### Accountancy

Rivera, Juan M.

J.M. Rivera and N. Rueschhoff. 1992. Ethics Disclosures in Corporate Annual Reports. Pages 65-80 in, *Ethical Considerations in Contemporary International Accounting Practice*. Center for International Education and Research in Accounting, Urbana-Champaign, Illinois.

Rueschhoff, Norlin G.

M.L. Costigan and N.G. Rueschhoff. 1992. Accounting and Auditing Standards of Canadian Development Stage Companies Operating in the U.S. Investment Market. *Advances in International Accounting* 5:105-114.

N.G. Rueschhoff. 1993. The Evolution of Accounting for Corporate Treasury Stock in the United States. Pages 167-173 in, E.N. Coffman, R.H. Tondkar and G.J. Previts, eds., *Historical Perspectives of Selected Financial Accounting Topics*. Richard D. Irwin, Inc., Homewood, Illinois.

See under Rivera, Juan M. 1992. Pages 65-80 in, *Ethical Considerations in Contemporary International Accounting Practice*.

### LAW SCHOOL

Bauer, Joseph P.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume I of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 39 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume II of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 269 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume III of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 58 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume IV of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 59 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume V of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 29 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume VI of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 25 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume VII of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 22 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume VIII of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 86 pp.

J.P. Bauer and E.W. Kintner. 1992. Supplement to Volume IX of Kintner's Federal Antitrust Law Treatise. Anderson Publishing Company, Cincinnati, Ohio. 20 pp.

## RADIATION LABORATORY

Bentley, John J.

J.J. Bentley. 1992. Theoretical Study of Lithium Cation Interactions with Hydrocarbon Radicals. *Chemical Physics Letters* 200(5):518-523.

Bobrowski, Krzysztof

K. Bobrowski, B. Marciniak and G.L. Hug. 1992. 4-Carboxybenzophenone-Sensitized Photooxidation of Sulfur-Containing Amino Acids. Nanosecond Laser Flash Photolysis and Pulse Radiolysis Studies. *Journal of the American Chemical Society* 114(26):10279-10288.

Fessenden, Richard W.

A.S. Jeevarajan and R.W. Fessenden. 1992. ESR Study of the Photochemistry of Benzoic Acid Derivatives. *Journal of the American Chemical Society* 114(26):10461-10470.

Hug, Gordon L.

See under Bobrowski, Krzysztof. 1992. *Journal of the American Chemical Society* 114(26):10279-10288.

**The Graduate School  
Research Division**

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**Summary of Awards Received and Proposals Submitted**

In the period December 1, 1992, through December 31, 1992

**AWARDS RECEIVED**

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	4,805,805	7	407,069	12	5,212,874
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	4,050	0	0	1	4,050
Service Programs	1	4,074	20	92,450	21	96,524
Other Programs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	7	4,813,929	27	499,519	34	5,313,448

**PROPOSALS SUBMITTED**

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	1,113,617	12	1,798,938	22	2,912,555
Facilities and Equipment	0	0	1	52,695	1	52,695
Instructional Programs	1	17,000	0	0	1	17,000
Service Programs	0	0	1	32,394	1	32,394
Other Programs	<u>1</u>	<u>1,500</u>	<u>1</u>	<u>24,276</u>	<u>2</u>	<u>25,776</u>
Total	12	1,132,117	15	1,908,303	27	3,040,420

# The Graduate School Research Division

## Awards Received

In the period December 1, 1992, through December 31, 1992

### AWARDS FOR RESEARCH

#### Aerospace and Mechanical Engineering

Lucey, J., Berry, W.  
Energy Analysis and Diagnostic Center Program  
Rutgers University  
\$114,800 12 months  
Dunn, P., Thomas, F.  
Flutter Exciter Response to Imposed Stochastic Forcing  
NASA - Ames Research Cent.  
\$31,393 21 months

#### Biological Sciences

Kulpa, C.  
Biodesulfurization of Oil  
Energy Biosys Corporation  
\$100,000 12 months  
Goetz, F.  
Sex Pheromones in Goldfish  
University of Minnesota  
\$2,974 36 months

#### Chemistry and Biochemistry

Miller, M.  
Methods for the Asymmetric Synthesis of Lorabid  
Eli Lilly Company  
\$150,089 23 months  
Castellino, F.  
Blood Coagulation Protein-Metal Ion-Lipid Interactions  
National Institute of Health  
\$228,716 12 months

#### Graduate School

Diffley, P.  
Graduate Research Fellowship Program  
National Science Foundation  
\$125,961 60 months

#### Mathematics

Smyth, B., Xavier, F.  
Geometry of Submanifolds/Injectivity  
Problems in Geometry  
National Science Foundation  
\$120,000 36 months

## Medieval Institute

Gabriel, A.  
Support of Scholarly Works  
Wallace Bedolfe  
\$7,500 12 months

#### Physics

Furdyna, J.  
Strain and Ordering in II-VI Semiconductors  
Department of the Navy  
\$135,000 57 months  
Tomasch, W., Furdyna, J.  
Microwave Magneto-Dissipation in Superconductors  
Purdue University  
\$4,441 24 months

## Radiation Laboratory

Schuler, R.  
Effects of Radiation on Matter  
Department of Energy  
\$4,192,000 12 months

### AWARDS FOR INSTRUCTIONAL PROGRAMS

#### Biological Sciences

Lamberti, G.  
REU Supplement: Stream Herbivory  
Oregon State University  
\$4,050 12 months

### AWARDS FOR SERVICE PROGRAMS

#### Notre Dame Center for Pastoral Liturgy

Bernstein, E.  
Notre Dame Center for Pastoral Liturgy  
Various Others  
\$3,304 1 month  
Notre Dame Center for Pastoral Liturgy — Publications  
Various Others  
\$2,583 1 month  
Notre Dame Center for Pastoral Liturgy  
Various Others  
\$1,407 1 month  
Notre Dame Center for Pastoral Liturgy — Publications  
Various Others  
\$956 1 month  
Notre Dame Center for Pastoral Liturgy — Publications  
Various Others  
\$67 1 month  
Notre Dame Center for Pastoral Liturgy — Publications  
Various Others  
\$862 1 month

# The Graduate School Research Division

## Notre Dame Center for Pastoral Liturgy

Various Others

\$155 1 month

## Notre Dame Center for Pastoral Liturgy — Publications

Various Others

\$4,838 1 month

## Notre Dame Center for Continuing Formation in Ministry

Cannon, K.

### Notre Dame Center for Continuing Formation in Ministry

Various Others

\$35,623 1 month

### Notre Dame Center for Continuing Formation in Ministry

Various Others

\$10,112 1 month

### Notre Dame Center for Continuing Formation in Ministry

Various Others

\$4,970 1 month

## Institute for Pastoral and Social Ministry

Cannon, K.

### Institute for Pastoral and Social Ministry

Various Others

\$45 1 month

### IPSM/Dynamic Parish

Various Others

\$82 1 month

### IPSM/Dynamic Parish

Various Others

\$70 1 month

### IPSM/Dynamic Parish

Various Others

\$653 1 month

### Institute for Pastoral and Social Ministry

Various Others

\$1,740 1 month

### Institute for Pastoral and Social Ministry

Various Others

\$13 1 month

## Programs for Church Leaders

Tebbe, F.

### Programs for Church Leaders

Various Others

\$14,706 1 month

### Programs for Church Leaders

Various Others

\$1,325 1 month

### Programs for Church Leaders

Various Others

\$8,939 1 month

## Institute for Urban Studies

Blake-Smith, D.

### Summer Food Service Program for Children

Indiana Department of Education

\$4,074 12 months

## Proposals Submitted

In the period December 1, 1992, through December 31, 1992

### PROPOSALS FOR RESEARCH

#### Aerospace and Mechanical Engineering.

Skaar, S.

#### Implementation and Transfer Strategy for CSM

Department of Navy

\$125,520 36 months

Szewczyk, A.

#### Approach Flow Non-uniformity on the Near-Wake Formation

Department of the Navy

\$154,106 36 months

#### Anthropology

Schurr, M.

#### Analysis of Kentucky Fort Ancient/Mid-Mississippian Samples

Kentucky Heritage Council

\$5,813 12 months

#### Biological Sciences

Kulpa, C.

#### Investigations on TNT Biotransformation

Argonne National Laboratory

\$91,480 12 months

McAbee, D.

#### Isolation-Molecular Analysis of the Hepatic Lactoferrin

Pfeiffer Research Foundation

\$148,662 36 months

Carlton, R.

#### Control of Methane Release from Lake Sediments

National Institute for Global Environmental Change

\$93,344 24 months

Kulpa, C.

#### Fine Acid Degradation

Amoco Chemical Research Center

\$80,455 12 months

Martin, V.

#### Transgenic Hydra

National Science Foundation

\$67,132 12 months

#### Chemical Engineering

Varma, A.

#### Mechanistic Studies of Combustion Synthesis

National Science Foundation

\$63,736 36 months



# The Graduate School Research Division

## Chemistry and Biochemistry

Helquist, P.  
Research Experience for Undergraduates Program  
National Science Foundation  
\$36,500                      12 months

Smith, B.  
Photoswitchable Binding of Neutral Biomolecules  
Proctor and Gamble  
\$198,990                      36 months

## Electrical Engineering

Huang, Y., Liu, R., et al.  
Blind Identification Image Processing  
W. J. Schafer Associates, Inc.  
\$385,000                      32 months

Sauer, K.  
Object Oriented 3-D Reconstruction in Radiography  
Electricité de France  
\$69,577                      14 months

Alcock, C.  
Development of Oxygen and pH Sensors for Aqueous Systems  
Electric Power Research Institute  
\$105,973                      12 months

On-Line Sensor Development for I.F.R.  
Argonne National Laboratory  
\$51,665                      8 months

Porod, W., Lent, C., et al.  
Coulombic Effects in Resonantly Coupled Quantum Waveguides  
Department of the Air Force  
\$307,053                      36 months

Coulomb Coupling between Quantum Dots and Waveguides  
Department of Defense  
\$307,053                      36 months

## Mathematics

Faybusovich, L.  
Applications of the Realization Theory of Rational Functions  
National Science Foundation  
\$75,237                      36 months

## Physics

Furdyna, J.  
Strain and Ordering in MBE Growth of II-VI Semiconductors  
Department of Navy  
164,808                      36 months

Garg, U.  
Exotic Shapes of Nuclei  
U.S. Poland Sklodowski — Curie  
\$0\*                              36 months

Garg, U., Aprahamian, A., et al  
Study of Heavy-Ion Collisions with STAR at RHIC  
National Science Foundation  
\$328,451                      36 months

Marshalek, E.  
Theoretical Studies in Nuclear Structure  
Department of Energy  
\$52,000                      12 months

## PROPOSALS FOR FACILITIES AND EQUIPMENT

## Chemical Engineering

Varma, A.  
Engineering Research Equipment  
National Science Foundation  
\$52,695                      12 months

## PROPOSALS FOR INSTRUCTIONAL PROGRAMS

## O.S.I.P.A.

Borelli, M.  
Minority High School Student Research  
Apprentice Program  
National Institute of Health  
\$17,000                      12 months

## PROPOSALS FOR SERVICE PROGRAMS

## Biological Sciences

Grimstad, P.  
Arbovirus Surveillance Laboratory Service  
Indiana State Department of Health  
\$32,394                      12 months

## PROPOSALS FOR OTHER PROGRAMS

## Civil Engineering and Geological Science

Silliman, S., Lauer, K., et al.  
Ethics in Civil Engineering and Architecture Curricula  
Lilly Endowment, Inc.  
\$1,500                      1 month

## Philosophy

MacIntyre, A., Weithman, P.  
Conference on the Moral Philosophy of Alan Donagan  
National Endowment for the Humanities  
\$24,276                      8 months

\*Collaboration Exchange Project

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# Notre Dame

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# R E P O R T

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**Volume 22, Number 12**

**March 5, 1993**

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