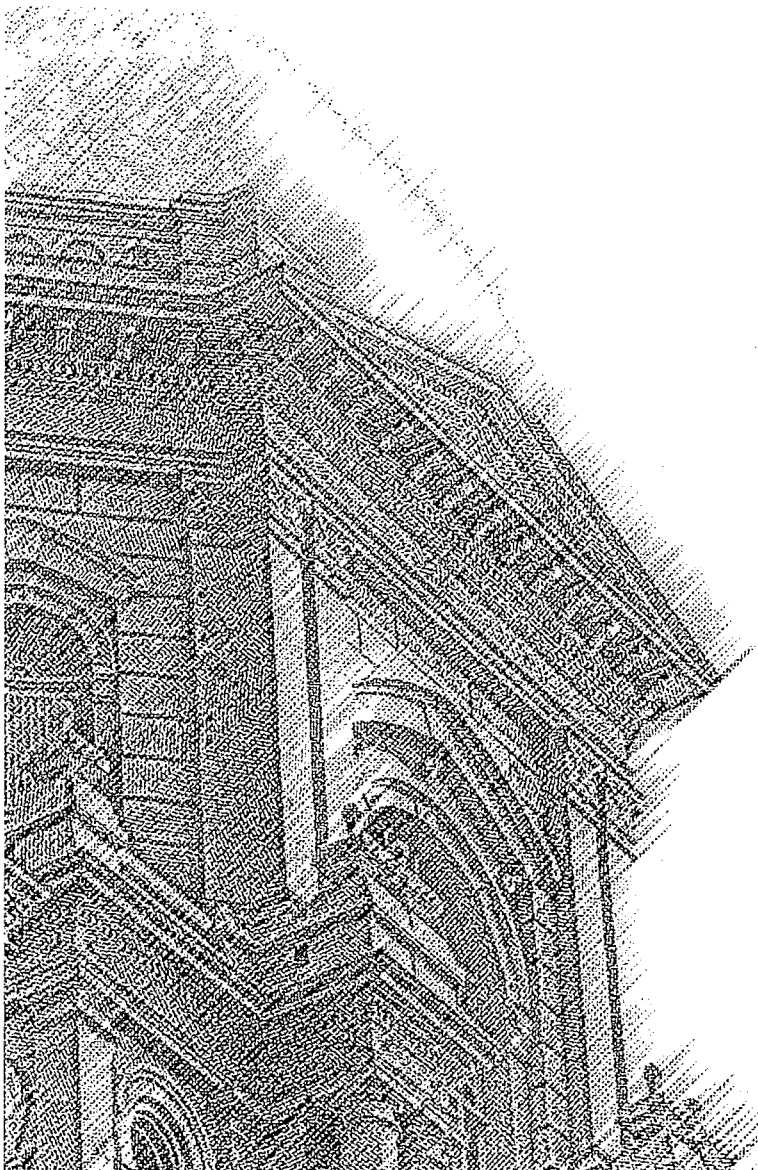


# Notre Dame Report



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# The University

## University Receives Grant to Conduct National Youth Sports Program

Notre Dame has received a \$50,000 grant from the U.S. Department of Health and Human Services and the National Collegiate Athletic Association (NCAA) to conduct the National Youth Sports Program (NYSP) on campus this summer.

On weekday afternoons June 26-July 28 NYSP will offer athletic and other enrichment activities to economically disadvantaged young people ages 10-16 in Michiana. Some 250-300 young people are expected to take part.

NYSP at Notre Dame is now entering its ninth year and has been cited by the NCAA as one of the 25 most outstanding programs in the nation.

This year's activities will include athletic training in a variety of sports, as well as instruction on personal computers, information about the dangers of alcohol and other drugs, advice on career and higher educational opportunities, and wellness training with an emphasis on nutrition, health and emotional development.

Now in its 32nd year nationwide, NYSP is funded by some 200 participating colleges and universities, and state, local and private contributors, in addition to the federal government and the NCAA.

## Two Board of Trustees Members Elected

Ted H. McCourtney, managing general partner of Venrock Associates, and Shirley Welsh Ryan, a national leader on disability issues, have been elected to the Board of Trustees of the University.

A 1960 graduate of Notre Dame with a bachelor's degree in mechanical engineering, McCourtney previously served on the University's Advisory Council for the College of Engineering. He earned a master's of business ad-

ministration degree from the Harvard Business School in 1966.

As the managing general partner of Venrock Associates, McCourtney manages venture capital investments for the Rockefeller family and other limited partners. With offices in New York City, Boston and Menlo Park, Calif., the firm identifies and supports emerging companies in the information technology and health care and life sciences sectors.

McCourtney, who now resides in Katonah, N.Y., served as a lieutenant in the U.S. Navy and with McKinsey and Company before joining Venrock in 1970. He is on the board of directors of four public companies and is a past president and chair of the National Venture Capital Association.

A Chicago resident, Ryan is one of the country's leading advocates for children with disabilities and has been appointed by two U.S. presidents to the National Council on Disability. She is co-founder and chair of the Pathways Awareness Foundation, which promotes early detection and inclusion for infants and children with physical differences or disabilities, and is co-founder and president of Pathways Center, an outpatient pediatric therapy clinic where hundreds of Chicago-area children receive weekly physical, occupational and speech therapy.

Ryan's many civic contributions include service to the Chicago Council on Foreign Relations, the Lyric Opera, the Art Institute of Chicago, and the Chicago Community Trust. She has been the director of the Lincoln Park Zoological Society since 1971, is a general trustee of the Lincoln Academy of Illinois, and is a director of the American Ireland Fund, Old St. Patrick Church, WTTW public television, the 21st Century Urban Schools, and the Inner City Teaching Corps. She is the founder and director of the Northwestern University Graduate School Lifetime Learners Course and the Chicago Foundation on Education.

A graduate of Northwestern University, Ryan also has studied at the University of Paris, Sorbonne, and the

Ecole du Louvre. She received the Distinguished Service Award from Northwestern in 1986 and the 1999 Kid's Count Award from the Voices of Illinois Children.

Notre Dame's Board of Trustees, established in 1967, currently is chaired by Andrew J. McKenna, chairman and chief executive officer of Schwarz of Morton Grove, Ill. The elections of McCourtney and Ryan raise the board's membership to 57.

## ND Students Aim for Common Good

An annual survey of college freshmen indicates that while the academic aspirations of first-year students at Notre Dame are exceptionally high, they expect to use their knowledge as much for the common good as for personal gain.

Some 92 percent of Notre Dame's freshmen report they plan to earn an advanced academic degree — including 43 percent who will pursue a master's degree, 17 percent a doctorate, 21 percent a medical, dentistry or veterinary degree, and 10 percent a law degree. By way of comparison, about 68 percent of students nationwide have similar plans.

But as much as they are determined to succeed, Notre Dame students place relatively less emphasis on financial gain than their peers. Some 62 percent say it is essential or very important to be well-off financially, 11 percent less than the national average.

At the same time, Notre Dame students reported far more interest than their peers in participating in community action, influencing social values, becoming a community leader, developing a meaningful philosophy of life, and assisting those who are in difficulty.

Not surprisingly, such altruism also is found in Notre Dame students before and during their college years. Almost 97 percent of the University's freshmen report they performed volunteer

work in the past year, compared with 75 percent of students nationally, and 58 percent plan to continue with community service, as compared to some 19 percent nationally.

The tendency toward service and social justice among Notre Dame students is likely linked to their commitment to religious faith and observance. Some 97 percent report they attended a religious service in the past year, compared with 84 percent nationally. About 55 percent spend one or more hours in prayer weekly (compared with 32 percent overall) and 45 percent regularly discuss religious issues (compared with 27 percent nationally).

Conducted by the Higher Education Research Institute at UCLA, the 33rd annual American Council on Education survey is designed to profile the political and social views — and the socioeconomic backgrounds — of the nation's college freshmen. This year's survey is based on the responses of 261,217 students at 462 two-and four-year institutions.

Among other noteworthy observations drawn from the survey: The class of 2003 came to Notre Dame overwhelmingly because of the University's strong academic reputation. Some 95 percent cited this factor, about 37 percentage points higher than students nationwide. Notre Dame students also are right where they want to be, with more than 85 percent saying the University was their first choice, versus 71 percent elsewhere.

By significant margins over their peers, Notre Dame freshmen oppose both abortion (68 percent to 47 percent) and the death penalty (47 percent to 25 percent).

Notre Dame first-year students are opposed to casual sex, with more than 80 percent rejecting the statement "if two people really like each other, it's all right for them to have sex even if they've known each other for a very short time." About 59 percent nationwide are similarly opposed.

Conservative political candidates in this year's elections will fare well on

the Notre Dame campus. Some 37 percent of the University's freshmen label themselves politically conservative and 18 percent are liberal, compared with 20 percent and 25 percent nationally. The largest political group is comprised of those who describe themselves as middle of the road — 45 percent at Notre Dame and 55 percent nationwide.

Notre Dame students have shown far more interest in their academic preparation than peers nationwide. About 75 percent of the University's freshmen spent six hours or more per week on their high school homework, compared with just 32 percent nationally, a record low.

The University's first-year students smoke far less than the average and drink alcoholic beverages at a slightly lower rate. Some 14 percent of college freshmen have smoked, compared with 2 percent at Notre Dame. Nationwide, 54 percent of students had consumed wine or liquor and 51 percent drank beer, compared with 47 percent for both among Notre Dame freshmen.

About 34 percent of students on other campuses support the legalization of marijuana, compared with 21 percent at Notre Dame.

# Faculty Notes

## Honors

**Ani Aprahamian**, professor of physics, has been elected a fellow of the American Physical Society.

**Rev. Michael S. Driscoll**, Tisch College assistant professor of theology, has been appointed to the Diocesan Liturgical Commission for the Diocese of Fort Wayne-South Bend for a term of three years.

**Mary Keys**, assistant professor of government and international studies, has received a John M. Olin Faculty fellowship for the 200-01 academic year.

**Billie F. Spencer, Jr.**, Leo Linbeck professor of civil engineering, has been appointed a member of the scientific committee of the IUTAM symposium on smart structures and structronic systems, to be held in Germany in the fall.

**Michael Wiescher**, Friemann professor of physics, has been elected a member of the executive committee of the Division of Nuclear Physics of the American Physical Society.

## Activities

**Rev. Michael S. Driscoll**, Tisch College assistant professor of theology, presented a paper "Death, Dying and Burial: The Ordo in Agenda Mortuorum in the Ivrea Sacramentary," at the North American Academy of Liturgy, Tampa, Fla., Jan. 2-5. He gave the presentation "Devotions and Liturgy: Are They Compatible?" for the Archdiocese of New Orleans, La., Feb. 3. He and **Maxwell Johnson**, professor of theology, served on the committee for the Joint Declaration on Justification, having prepared the prayer service for February 20, 2000 at the Cathedral of St. Matthew in South Bend.

**Georges Enderle**, O'Neil professor of international business ethics, held a two-day seminar on "Globalization and Business Ethics" with theologians in Innsbruck, Austria, Jan. 2-4. He also participated in the board meeting of

the Istituto per i Valori d'Impresa, Milan, Italy, Jan. 12.

**Dominic O. Vachon**, concurrent assistant professor of psychology, presented "Characteristics of Balanced Care for Helping Professionals" as part of a continuing education series offered to community professionals by the Samaritan Counseling Center, Elkhart, Ind., Jan. 20. He led a day of reflection retreat "Saved by the fish that bit you: Why care for others when they and you still suffer" sponsored by Holy Cross Associates for Holy Cross Associates returning from Chile and returned service volunteers, Notre Dame, Ind., Feb. 13.

**John P. Welle**, associate professor of romance languages and literatures, gave the invited talk "Ennio Flaiano: Writer for the Cinema" at the Casa Italiana Zerilli-Marimò of New York University, Feb. 10.

## Publications

**Francis J. Castellino**, dean of Science, Kleider-Pezold professor of biochemistry and director of the Center for Transgene Research, co-authored "Blood Coagulation Factor X Deficiency Causes Partial Embryonic Lethality and Fatal Neonatal Bleeding in Mice" with M. Dewerchin, Z. Liang, L. Moons, P. Carmeliet, D. Collen, and **Elliot D. Rosen**, research associate professor of chemistry and biochemistry, published in *Thrombosis and Haemostasis*, vol. 83, 2000, pp. 185-190.

**Donald P. Costello**, professor emeritus of English, wrote a book review, "E Pluribus...", a review of Catholics and American Culture: Fulton Sheen, Dorothy Day, and the Notre Dame Football Team, published in *America*, May 1999 issue, pp. 24-25. He wrote the article "Tennessee Williams's Conjure Man in Script and Screen," published in *Literature/Film Quarterly*, vol. 27, 1999, pp. 263-270.

**Jeremiah P. Freeman**, professor emeritus of chemistry and biochemistry, co-authored "2-(1-Azetidinyl)-And 2-(1-Pyrrolidinyl)Pyridine via  $S_NAr$  Reactions of 2-Fluoropyridine and 2-

Pyridinyl Triflate" with S.V. D'Andrea and **Jacob Szmuszkowicz**, adjunct professor of chemistry and biochemistry, published in (OPPI) *Organic Preparations and Procedures International*, vol. 31, 1999, pp. 698-701.

**Umesh Garg**, professor of physics, co-authored "Incremental Alignments in the A ~ 150 Superdeformed Region" with B. Kharraja, published in *Highlights of Modern Nuclear Structure*, A. Covello, ed., Singapore: World Scientific, 1999, pp. 367-376. He wrote "The Isoscalar Giant Dipole Resonance: What's New?" published in *Collective Excitations in Fermi and Bose Systems*, C.A. Bertulani, L.F. Canto and M.S. Hussein, eds., Singapore: World Scientific, 1999, pp. 180-191.

**Dirk M. Guldi**, associate professional specialist in the radiation laboratory, co-authored "Formation, characterization and properties of nanostructured [Ru(bpy)<sub>3</sub>]<sup>2+</sup>-C<sub>60</sub> Langmuir-Blodgett films *in situ* at the air-water interface and *ex situ* on substrates" with M. Maggini, S. Mondini, F. Guerin and J.H. Fendler, published in *Langmuir*, vol. 16, no. 3, 2000, pp. 1311-1318.

**Jan L. Hagens**, assistant professor of German, wrote "Aesthetic Self-Reflection and Political Consciousness in Schlöndorff's *The Tin Drum*" in *Signaturen der Gegenwartsliteratur: Festschrift für Walter Hinderer*, D. Borchmeyer, ed., Würzburg: Königshausen und Neumann, 1999, pp. 99-111.

**Encarnación Juárez**, assistant professor of Spanish, wrote "El manuscrito de Lince de Italia de Francisco de Quevedo en la Biblioteca Bancroft" published in *La Perinola*, vol. 3, 1999, pp. 375-82.

**Lloyd H. Ketchum, Jr.**, associate professor of civil engineering and geological sciences and fellow in the Helen Kellogg Institute for International Studies, co-authored "Student involvement in water development-treatment in rural settings" with **Stephen E. Silliman**, associate professor of civil engineering and geological sciences, published in *Interdisciplinary Perspectives on Drinking Water Risk As-*

*essment and Management*, E.G. Richard, F.S. Hauchman and M. Saucha, eds., Walingford, Oxfordshire, U.K.: International Association of Hydrological Sciences, 2000, pp. 171-173.

**James J. Kolata**, assistant chairperson and professor of physics, co-authored "Evidence for nonequilibrium proton emission in a low-energy heavy-ion reaction" with P.A. DeYoung, M.J. Goupell, B.V. Atallah, J.A. Haglund, P.L. Jolivet, M.K. MacDermaid, G.F. Peaslee, E.D. Berners, D. Peterson, J. von Schwarzenberg and J.D. Hinnefeld, published in *Physical Review C*, vol. 61, no. 2, 2000, pp. 024603-1 to 024603-4.

**John E. Mattias**, professor of English, translated from Serbian the book *The Battle of Kosovo* with V. Vuckovic, Athens, Ohio: Swallow Press/Ohio University Press, 1999, 96 pages. He wrote *Pages: New Poems and Cuttings*, Athens, Ohio: Swallow Press/Ohio University Press, 2000, 132 pages. He wrote "Two in Harar," published in the *Partisan Review*, vol. LXVII, no. 1, 2000, pp. 117-119. He wrote "The Socratic Problem" and "Lepidopterology" translated from the Swedish of Jesper Svenbro with Lars-Hakan Svensson, published in *The Chicago Review*, vol. 45, no. 3 & 4, 1999. He wrote "British Poetry at Y2K" for the *Electronic Book Review*, no. 10, 2000. He wrote *Selected Works of David Jones*, University of Wales Press and Interactive Knowledge Inc., netLibrary.com, 2000. He collaborated on a musical score and compact disk, "Four Songs for Four Voices," John Matthias and David Clark Isele, E.C. Schirmer Music Company, 2000, 27 pages; "Four Songs for Four Voices," John Matthias and David Clark Isele, New Choral Music, Bands 10-13, E.C.S. Publishing Compact Disk, 2000.

**Christian Moevs**, assistant professor of romance languages, wrote "Self-knowledge and the Totality of Learning in Vico," in *The Italianist* 18 (1998), 91-100.

**Liviu Nicgorski**, assistant professor of mathematics, wrote "Eta invariants of Dirac operators over Riemann surfaces and virtual dimensions of finite energy

Seiberg-Witten moduli spaces" published in the *Israel Journal of Math.*, vol. 114, 1999, pp. 65-123.

**W. Robert Scheidt**, Warren professor of chemistry and biochemistry, co-authored "Molecular Structure of an Fe(IV) Species: {[Fe(TPP)]<sub>2</sub>N}SbCl<sub>6</sub> with M. Li, **Maoyu Shang**, adjunct research professor of chemistry and biochemistry, N. Ehlinger and C.E. Schulz, published in *Inorganic Chemistry*, vol. 39, 2000, pp. 580-583.

**Billie F. Spencer, Jr.**, Leo Linbeck professor of civil engineering, co-authored *Coupled Building Control using Active and Smart Damping Strategies in B.H.V Topping* with R.E. Christenson and E.A. Johnson, in *Optimization and Control in Civil and Structural Engineering*, B. Kumar, ed., Civil-Comp Press, 1999, 187-195.

**Laurence R. Taylor**, professor of mathematics, co-authored "A Guide to the Calculation of Surgery Obstruction Groups," with I. Hambleton, which appeared in the book *Surveys on Surgery Theory Volume I*, S. Cappell and A. Ranicki, J. Rosenberg, eds., Princeton University Press: Princeton, 2000, vol. 145, pp. 225-274.

**Raimo Väyrynen**, professor of government and international studies, senior fellow in the Joan B. Kroc Institute for International Peace Studies, wrote "Globalization and the Politics of Labour in Finland," in *Festschrift for Dag Ankar on his 60th Birthday*, L. Karvonen and K. Stahlberg, eds., Abo, Finland: Abo Akademi University Press, 2000, pp. 187-224.

**Michael C.F. Wiescher**, Freimann professor of physics, co-authored "Nuclear structure near the particle drip-lines and explosive nucleosynthesis processes" with K-L Kratz, J. Gorres and B. Pfeiffer, published in the *Journal of Radioanalytical and Nuclear Chemistry*, vol. 243, no. 1, 2000, pp. 133-140.

## Deaths

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Rev. Richard A. McCormick, S.J., John A. O'Brien professor emeritus of Christian ethics at the University of Notre Dame. Father McCormick died Feb. 12 at Colombiere Center in Clarkston, Mich.

Father McCormick, a moral theologian who specialized in medical ethics, joined the Notre Dame faculty in 1986. He previously was the Rose F. Kennedy Professor of Christian Ethics in Georgetown University's Kennedy Center for Bioethics from 1973-86 and a professor of moral theology at the Jesuit School of Theology in Chicago from 1957-73.

Born Oct. 3, 1922 in Toledo, Ohio, Father McCormick entered the Society of Jesus in 1940 and was graduated from Loyola University in Chicago five years later. He obtained a master's degree from Loyola in 1950 and in 1953 was ordained to the priesthood. In 1957 he obtained his doctoral degree in theology from the Gregorian University in Rome.

The recipient of a number of academic honors and awards, Father McCormick was a member of the American Academy of Arts and Sciences and past president of the Catholic Theological Society of America. He wrote numerous books and articles on medical ethics, and his work was published in periodicals ranging from *Commonweal* and *Theological Studies* to *Sports Illustrated*. He made frequent appearances on television news programs to discuss both ethical issues in public policy and ecclesiastical politics.

## Faculty Senate Journal

January 18, 2000

The chair, professor Jean Porter, called the meeting to order at 7:00 p.m. in room 202 of McKenna Hall, the Center for Continuing Education, and offered an opening prayer. The journal for the December meeting had been distributed to members in their packets prior to the meeting. She asked for corrections, additions, etc. The co-secretary Dr. Peter Lombardo reported several that had been given to him. Professor Edward Manier moved approval of the corrected journal, the treasurer Laura Bayard seconded, and the Senate agreed.

Porter noted four items as her chair's report:

1. Professor Joel Urbany has resigned his Senate seat in view of his impending departure for Australia, where he will teach and conduct research for the second semester.

2. She announced that the next Senate Forum on Academic Life would take place on February 14, 2000, from 3-5 p.m. in McKenna Hall room 210. The topic will be "Arts and Letters: Departments, Institutes and Collective Resources", and all faculty — not just Arts and Letters faculty — are invited to attend.

3. She has communicated recent Senate action to various people:

- Publication of the minutes of Fellows and Trustees meetings — she has written to Trustee Robert Conway, chair of its Faculty and Academic Affairs Committee, and his reply was that he would meet with her and others early in February about this.
- On publishing the affirmative action policy — she has sent the resolution to vice president and associate provost professor Carol Mooney who forwarded it to the University Committee on Academic Affirmative Action for a response.
- The upcoming review of the provost — the Executive Committee has asked the Laboratory for Social Research to assist the Senate in the design of the

survey instrument, and to collect and analyze the data.

4. The provost of the University, Professor Nathan Hatch, will visit the Senate at its February 9<sup>th</sup> meeting. She encouraged Senators to submit questions for him to her, after discussion with colleagues, to present a broad cross-section of interests.

She then distributed a copy of a letter from University president Monk Malloy, C.S.C., which was part of her chair's report in December and inadvertently was left out of the meeting packet. Her January report is printed as appendix A of this journal.

The Senate then recessed for committee meetings for 45 minutes.

Upon reconvening, Porter asked for reports of the standing committees.

**1. Administration** — Bayard reported for the chair professor Ikaros Bigi who was away from the University this evening that the committee discussed what data and what kinds of questions might be included on the survey of the provost. Also in committee professor Carolyn Nordstrom reported on the progress of the Senate's resolution on faculty alcohol usage guidelines in the Academic Council.

**2. Academic Affairs** — the chair professor Thomas Cosimano reported that vice president and associate provost Jeffrey Kantor had visited their meeting to report primarily on upcoming academic construction projects:

- The Philosophy/Theology Building - ground will be broken in March 2000, and it is hoped it will be ready for the Fall 2001 semester.
- The Performing Arts Center — ground will be broken this Spring and occupancy is expected by 2003.
- The Science Teaching Building — upwards of 200,000 square feet at a cost of more than \$60 million. Ground is expected to be broken in 2003. Lombardo recalled that president Malloy had said ground would be broken in 2002, but Cosimano reiterated Kantor's statement of 2003. Professor Jo Ellen Welsh interjected that funding has not been forthcoming for the project (only about

\$20 million has been raised), and thus the delay.

**3. Benefits** – Professor Klaus-Dieter Asmus said the committee has yet to receive an answer from Human Resources on its Retiree 2000 questions, and he hoped he would for the February report. There has been some concern expressed by Library Faculty over vacation policy issues, and the committee will look into this promptly. They have just begun to look at several issues related to retirement policy as well.

Asmus asked that the following correction be noted: contrary to the statement in the Senate Executive Summary for December, the Benefits Committee did review the questions on the Retiree 2000 program but only in their committee meeting and not with the director of Human Resources Richard Nugent. A contact with Nugent on this issue was only made through Asmus (as the chair) alone.

**4. Student Affairs** – the chair Dean Ava Preacher reported on several issues:

- the committee met with representatives of the Gay and Lesbian Alumni group on December 13, 1999, and a report of that meeting will be available once the committee has seen and approved it.
- On *The Observer* issue, the committee met with and heard from Ms. Chandra Johnson, assistant to the president, and will probably have a resolution for the Senate to act on in March.
- The committee is looking into "grade inflation." In the College of Arts and Letters, 60.6% of the students gained honors. The committee may seek a resolution in the Senate to ask the Academic Council to review this issue.

#### New Business

Manier asked for recognition. He reported that the Academic Council's Adhoc Committee on Academic and Student Life will be reporting its findings soon, but probably not until April. Since the Senate has dealt with accountability before, was there anything the Senate might do to move this along, and did the Senate have any role with the Adhoc Committee? Porter

said the Senate had no role, but had been the spark last Spring for having such a committee in the first place. Individual faculty members and Senate members were on the committee. However, she reminded the Senate that there was not a motion on the floor to discuss this. Professor Phillip Quinn asked if a Senate committee could expedite matters by looking into what Manier had indicated was a delay. Porter responded that a motion to commit this to a committee would be in order. Quinn moved to commit consideration of any possible Senate action jointly to the committees on academic affairs and student life, and asked the committee chairs to resolve any jurisdictional matters. David Kirkner seconded. Professor Jill Godmilow asked for some background information.

Kirkner, a member of the adhoc committee, obliged. Last year the Senate's resolution on the Women's Resource Center issue was ruled to be not in the Academic Council's purview and sent it to the Campus Life Council. But the broader issue, also raised by Senate resolution, was the relationship — sometimes close, often not — of academic life and student life. The Academic Council's Executive Committee, in accord with the Senate, suggested that the president appoint an adhoc committee to investigate and report its findings by the Fall of 1999. The committee — because of extensive meetings and numerous interviews, etc. — asked for more time, and was given it. The report was now due in April. Kirkner said several weeks' worth of work remained to be done, and then the report will be written and presented to the Academic Council. If the Senate wishes to provide input, it must act quickly.

Godmilow asked if the Senate had given any input to the committee as yet. To her knowledge, Porter said, the only input had been meetings between her and the committee, and between past chair professor Michael Detlefsen and the committee. Preacher said the adhoc committee had also had input from the Student Affairs Committee.

Detlefsen reiterated what Kirkner had said: the Academic Council would not

consider the Senate's request (but in Detlefsen's view, it should have). The issue then was, to whom should the Senate or individual faculty turn with an issue of obvious academic and student life ramifications? His answer was, to the provost, not to the vice president for Student Affairs. He urged adoption of the resolution. Professor Michael DePaul wondered how keen the provost was to have an issue leaning to academic as well as to student life put into his jurisdiction. More important for DePaul was timing: will the committees have time to act and provide input to the adhoc committee? Detlefsen said yes, they would have, if they work hard and together.

Professor Joseph Powers asked Kirkner, as a member of the adhoc committee, if Senate action now would be useful. Kirkner could not answer that since he couldn't predict what the Senate input might be. But he revealed that the adhoc committee was planning an open forum, and this would be a wonderful opportunity for anyone to express their views, concerns and hopes. The committee was looking at this as an opportunity to listen. Preacher supported the motion and agreed with Detlefsen that Senate committees can work together effectively. The University really did not have any other place except the Senate to talk about these issues without some barrier to free discussion. Detlefsen offered as a friendly amendment that the two committees work quickly, and Quinn agreed. Godmilow was not opposed to the resolution but questioned how effective any Senate input would be at this late stage.

Manier spoke next. He referred to the decision on the Women's Resource Center as in the pastoral mode rather than in the academic, and in his view this has and has had a chilling effect on academic inquiry in student organizations. The Senate had recommended that Notre Dame find some institutional way so that the provost and the vice president for student affairs would share responsibility in these situations. He would like to see a new body for academic and student life composed equally of elected students, faculty and hall staff, with an elected chair. This would look at all aspects of governance

in the University. He would like the Senate to seek this kind of wholly elected body and not another appointed one. Professor Christine Wolbrecht wondered if the ad hoc committee needed Senate input. The committee was composed of at least some faculty and had heard from several already. Wasn't this enough? Quinn agreed only partially with her. Because its creation, he said, was at our initiative, the Senate had an ongoing investment in guiding its process, a kind of "parental responsibility."

Porter reminded the Senate that any committee recommendation would need the approval of the full Senate. Professor Vincent Freeh, in light of the chair's comment, asked what we could hope to accomplish at this late date. Why not simply urge the faculty on the committee in one certain way or another. But, Porter added, if the committees concluded their work in time, the Senate could take up their recommendation at its February meeting, prior to its discussion with the provost. Freeh asked Kirkner again if they would be finished with their work even before the Senate's February meeting. Kirkner could only guess that they would be very close, if not actually finished. Professor Juan Rivera urged the Senate to wait for the report, consider its findings and then see if there was more yet to do, but professor William Eagan said if the Senate wanted to have any input at all, do it before and not simply wait to react.

Kirkner spoke again to say that the faculty members on the committee along with the administrators, rectors and students will act as a filter for the comments they have received and observations they have made, and report to the Academic Council. If a strong faculty statement came to the committee, he believed it would make it into the report. There have been many lessons he and others have learned from serving on this committee, especially about the hierarchical-like structure at Notre Dame, where a body like the Campus Life Council is only advisory and subsidiary to the vice president for student affairs.

Powers called the question, and Manier seconded. The Senate agreed to vote on the resolution.

In its vote, there were 27 in favor and 2 against. The resolution passed, and is printed as appendix B of this journal.

Porter called for other new business. There was none. Manier moved to adjourn, Bayard seconded and the Senate adjourned at 8:30 p.m.

Respectfully submitted,  
Peter J. Lombardo  
Co-Secretary

### Appendix A Chair's Report

My chair's report this evening includes four items.

First, since our December meeting our colleague Joel Urbany has resigned from the Senate, since he will be leaving campus this spring to take a position at the Notre Dame campus in Australia. I'm sure you will join me in thanking him for his good work on the Senate and wishing him all the best this semester.

Secondly, the second Notre Dame Forum on Academic Life is scheduled for February 14, 2000 from 3-5 on the topic of "Arts and Letters: Departments, Institutes and Collective Resources." The speakers so far include Professors Pat Geary and Katherine O'Brien O'Keeffe and Acting Dean Chris Fox. As you will recall, the first forum for this academic year generated lively, far-reaching discussion, and this second forum promises to be equally stimulating. I hope to see a number of you there.

Thirdly, I would like to bring you up to date on outstanding Senate business. On December 3rd, 1999, I sent an e-mail to Mr. Robert Conway, the Chair of the Committee on Faculty and Academic Affairs of the Board of Trustees, asking about the status of the two Senate resolutions calling for the publication of the minutes of the Fellows and the Board of Trustees which were passed at our September meeting. I received a reply from Mr. Conway today (January 18th) by e-mail, explaining that he had been traveling over the holidays and indicating that he hopes

to set up a meeting in February with myself, Provost Hatch, and two or three members of the Board to discuss the resolution. With respect to a second item, in December I sent a copy of the Senate resolution calling on the Administration to publish its affirmative action policy to Associate Provost Carol Mooney, at her request. She forwarded it to the University Committee on Academic Affirmative Action, chaired by Professor James Gurulé of the Law School, and they are currently considering a response to our request. Finally, the Executive Committee of the Senate, acting on the advice of the Committee on Administration, has voted to ask the Laboratory for Social Research to design the faculty survey on the performance of the Provost, which the Senate voted to conduct in its September meeting, and also to collect and analyze the data from that survey. We are hoping that this survey will be completed and distributed before spring break.

Finally, our annual meeting with Provost Nathan Hatch comes at the next Senate meeting on February 9th. You will shortly be receiving a message asking you to suggest questions to be submitted to Provost Hatch in advance of this meeting. I would like to encourage you to discuss possible questions with your colleagues, so that our questions to Provost Hatch can reflect the concerns of as broad a cross-section of our faculty colleagues as possible.

That concludes my report. Are there any questions?

### Appendix B

Resolved, that the Faculty Senate commit the issue of Faculty Senate input into the deliberations of the Ad hoc Committee on Academic and Student Life jointly to its committees on Academic Affairs and Student Affairs with the instruction that the committees report back to the Senate as expeditiously as possible.

27 - Yes  
2 - No  
0 - Abstentions

## University Committee on Libraries

January 11, 2000

The meeting was called to order at 7:30 a.m. at the Morris Inn by Chairman Harvey Bender. Also in attendance were John Adams, Maureen Boulton, Kelly Gritten, Roger Jacobs, Margaret Porter, Walter Pratt, John Weber, Jennifer Younger, observer Joanne Bessler and secretary Melodie Eiteljorge.

Younger observed that the committee was late in convening this year because of a delay in the election for at-large representatives.

The first order of business was the election of a chair for the academic year. Boulton nominated Bender to serve a second term. Adams seconded. This was approved, and Bender accepted.

Bender suggested that the next order of business should be a schedule for the year. It was agreed that the second Thursday of each month, 7:30-8:30 a.m., would be the best time to meet. The following dates were scheduled: February 10; March 9; April 13; May 11.

The next agenda item was the director's report. Younger reported that library faculty and staff have been interviewing a number of candidates over the past two months. Positions include two associate directors, a systems administrator, a systems librarian, a theology cataloger, serials department head, an education/psychology reference librarian, and a data librarian. We also plan to begin a search for a chemistry/physics librarian.

Dan Marmion has accepted the associate director for information systems position, to begin work on April 1. An offer is pending for the associate director for resources and collection services position. Younger thanked Boulton for her willingness to attend breakfast meetings with candidates for these positions.

Younger next reported that the Master Plan for renovation of the Theodore M. Hesburgh Library from Shepley Bulfinch Richardson and Abbott has been received. It will need review by the end of January, after which time Paula Carlaccini and Doug Marsh will present it to University Officers. On January 27 an expanded group of the Library Renovation Committee, including Paula Carlaccini, faculty from the Faculty Senate Academic Affairs Committee and student representatives will meet at the Morris Inn for breakfast to discuss the Master Plan. Harvey Bender and Kelly Gritten have agreed to attend; other committee members are welcome to attend as well.

Jacobs asked if it is correct to assume that this is still in the planning stages and that the floor plans are not the blueprints for reconstruction. Younger agreed that this is the case.

Younger next distributed two reports. The first, authored by Doug Archer, was titled "University Libraries' Summary of and Response to the College of Arts and Letters Fall ALEPH Survey." This began with concerns from the College about the operation of Aleph. Based on that, Mark Roche set up a committee to discuss the issue, and he agreed to include representatives from the Libraries, one of whom was Doug Archer. Younger noted that the library representatives found comments from the Arts and Letters faculty to be very helpful in redesigning Aleph screens. Some issues will continue to present challenges. With a Web-based system, there is no opportunity to telnet into the catalog and, thus, connect time is slower. We were able to make changes that reduce the number of clicks and to present the most important information on the first screen. Younger reported that this report is on the agenda for the Arts and Letters council meeting on January 25.

Bender asked Younger to update new members on other institutions that have selected Aleph. She noted that we were the first North American research university to select Aleph. Since then, the University of Iowa, McGill University, Boston College and the entire State University of New

York (SUNY) system have chosen Aleph. We are particularly interested in working with Iowa and McGill on developing the serials application.

Boulton asked about improvements in the acquisitions system. Younger replied that to date they have been minimal. We upgraded the system in September and will do so again in late spring, and this should provide some improvements. Meanwhile, we have hired an additional staff person in Acquisitions and another for processing electronic resources to handle the increased workload.

Adams noted that it seems to him that the system is working faster than it did initially.

Younger's second handout was a "Report on the Use of Colloquy Funds." This report was originally generated by Maureen Gleason, and Younger has updated it for the current year. It covers the distribution of the \$650,000 which has been provided to the University Libraries by the University annually beginning with FY 1995-96, for a period of six years, as a supplement to the base budget. This was in response to library needs identified first by the University self-study known as Colloquy for the Year 2000, and then by the subsequent Ad Hoc Committee on University Libraries.

Weber asked why the funds were reduced from \$650,000 to \$400,000 for 1999-00. Younger replied that the University is looking at the increase that comes from both sources — University funding and endowment. There is also a possibility the increased funding will extend beyond the six-year period.

Boulton asked how endowment income is tied to the performance of the stock market. Younger replied that, while it is connected, it is calculated for a steady payout. Scott Malpass has assured her that the University has taken a very conservative approach in managing the funds.

Pratt asked how our \$20 million endowment compares to other institutions. Younger replied that, e.g., the University of Chicago has \$61 million.

Adams noted that institutions like Chicago might have a higher reliance on their endowment.

### New Business

Younger asked the committee for topics they would like to discuss during the semester. Any ideas can be sent to her or to Bender via e-mail.

Bender asked Gritten if she reports on UCL meetings to the Graduate Student Union. Gritten replied that she does and that they have a lot of interest in renovation. Porter asked if they have questions or input on collections or services. Gritten replied that she has contemplated bringing up the issue of interlibrary loan (ILL). She finds it frustrating that she cannot telnet to the catalogs of other institutions through Aleph. She is wondering to what extent graduate students are using ILL capabilities.

Porter observed that there has been an increase in ILL requests for items that we own. We are not sure of the reason for this. Bessler will meet with ILL personnel to discuss trends.

Younger suggested that we should discuss with Gritten how we might bring questions about ILL from a graduate student perspective.

Adams asked about the status of earlier requests to keep the Hesburgh Library open 24 hours. Younger replied that we do keep it open 24 hours during exams. In order to have regular 24-hour access, would want to zone the building so that we can keep only one or two floors open 24 hours, and the ability to do that is connected to the renovation.

Younger stated that she will send new members some background information on the renovation and that she will send to all members highlights of what is in the Master Plan.

Porter asked about the status of the change to provide confidentiality of library circulation records. Bessler replied that it was delayed due to the fact that some programming support is needed for it. It has not been forgotten,

however. She added that some public relations work will also be needed.

Boulton asked if Aleph will be around for a while. Younger reported that as long as it is working, she sees no reason to change. It's difficult to determine the life span of a system, but it is probably 5-10 years.

There being no further business, the meeting adjourned at 8:35 a.m.

Respectfully submitted,  
Melodie Eiteljorge  
Secretary

## Faculty Board on Athletics: Fall 1999

Monday, August 30

In attendance: Rev. E. William Beauchamp, C.S.C., Chair, Professor Matthew Barrett; Professor Jo Ann Della Neva, Professor Joseph Guiltinan, Professor Alexander Hahn, Professor Kate Halischak, Professor Jerry Marley, Rev. Mark Poorman, C.S.C., Professor Kerry Thomas, Mr. Michael Wadsworth. Absent: Professor John Borkowski, Professor James McAdams (due to departmental obligations).

The meeting was called to order at 3:09 p.m.

Father Beauchamp welcomed Professor Kerry Thomas, the newly elected member from the College of Science. Father Beauchamp pointed out that an Arts and Letters representative has yet to be elected and a student representative has yet to be appointed.

The minutes of the April 21, 1999, meeting were accepted, with corrections. Then, the Board unanimously recommended inclusion of the following actions taken during the summer as official parts of the minutes.

The approval of fifth years of eligibility for the following: Ryan Maxwell and Antonio Arce in Men's Track and Gerrick Short in Men's Soccer.

The approval of captain candidates in the following sports: Women's Rowing: Kelly Netter, Elizabeth Nerney, Katrina Ten Eyck; Men's Soccer: Gerrick Short; Volleyball: Mary Leffers, Denise Boylan; Women's Swimming: Elizabeth Barger, Allison Newell; Men's Tennis: Ryan Sachire; Women's Tennis: Kelly Zalinski.

The approval of monograms in the following sports: Men's Golf, Women's Golf, Rowing, Women's Swimming (including service monogram), Men's Track, Women's Track, Men's Lacrosse, Softball, Men's Tennis, Women's Tennis.

The approval of playing schedules in the following sports: Football, Hockey, Rowing (Fall only), Men's Soccer, Softball, Men's Tennis, Volleyball.

1. The Board considered playing schedules for Men's Basketball, Men's Golf, Women's Golf, Men's Swimming, Men's & Women's Indoor Track, Men's & Women's Outdoor Track. The Board discussed the schedules and voted to approve.

2. The Board considered monogram recommendations for Women's Lacrosse. The Board voted to approve the recommendations.

3. After some discussion, the Board approved the names of the following individuals as captain candidates in their respective sports.

Men's Basketball: Troy Murphy, Skylard Owens, Todd Palmer  
Baseball: Aaron Heilman, Matt Nussbaum, Jeff Perconte  
Women's Basketball: Julie Henderson, Niele Ivey  
Men's Golf: Todd Vernon  
Women's Golf: Andrea Klee

4. The discussion then turned to issues that the Faculty Board will consider this semester. The topics are listed below.

a. The Report of the Ad Hoc Committee on Admission and Advising of Student-Athletes. Father Poorman distributed copies of the Report, pointing out pertinent sections to the Board for discussion at the next meeting.

b. The requirement of all student-athletes in their fifth year to file an application for additional eligibility. The Board decided that all student-athletes, regardless of grant-in-aid status and number of years on the team roster, should file an application for fifth year eligibility with the Faculty Board. In the past, only those student-athletes who had been on a team roster for four years were required to seek permission for additional eligibility.

c. A letter to the Faculty about excused class absences for student-athletes traveling to competitions. Father

Beauchamp read a letter to be sent to all faculty who have student-athletes in their classes; the letter explains the University policy regarding class absences and lists the dates of possible travel along with the names of the courses and student-athletes affected. Board members made several suggestions for additions to the letter.

d. Monogram Requirements. As business carried over from last semester, the Faculty Board will look at the requirements for monograms in all varsity sports with an eye to parity and gender equity.

e. Student-athletes in SMC Education and in multiple majors. The Board will examine the number of student-athletes in programs that require more than four years. In particular, the Board will look at the impact of these programs on athletic grants-in-aid, recruiting, budgeting, and academic goals.

f. The introduction of new head coaches to the Faculty Board. The Men's Basketball coach, Matt Doherty, will be invited to the next meeting to meet the Faculty Board and to discuss his plans for the program. Women's Soccer coach, Randy Waldrum, will be invited to the December meeting.

g. The policy regarding transfer student-athletes. Professor Hahn stated that a colleague had requested clarification of the University's policy regarding transfer students who are student-athletes. Father Beauchamp responded that the policy has not changed and is as follows: the University does not seek nor accept junior college transfers for the purpose of athletics; the University does accept transfer student-athletes who would have been admissible to ND as first year students.

Father Beauchamp then asked if Board members had any other topic that they wished to list for further consideration. Mr. Wadsworth added that members of the Athletic Department staff would be happy to make presentations to the Board, as they have done in years past. If the Board had any specific requests, Mr. Wadsworth would arrange a 15

minute presentation by a member of his staff.

h. Overview of Compliance operations. Professor Hahn suggested that the Compliance Officer be invited to a meeting to discuss the program.

5. Father Beauchamp and Mr. Wadsworth then spoke at length about the recent hearing before the NCAA Infractions Committee in the Dunbar case. They informed the Board of the current status of the case and spoke of the time table for completion of the case and about possible sanctions. The discussion emphasized that the case remains one of "improper benefits" rather than "lack of institutional control." Board members asked numerous questions about the committee procedure.

There being no further business, the meeting was adjourned at 5:12 p.m.

## Monday, September 27

In attendance: Rev. E. William Beauchamp, C.S.C., Chair; Professor Matthew Barrett; Professor John Borkowski; Professor Jo Ann Della Neva; Professor Joseph Guiltinan; Professor Alexander Hahn; Professor Kate Halischak; Professor Jerry Marley; Mr. Omar Munoz; Professor James McAdams; Rev. Mark Poorman, C.S.C.; Professor Kerry Thomas; Mr. Michael Wadsworth.

The meeting was called to order at 3:11 p.m.

Father Beauchamp welcomed Mr. Omar Munoz, the newly appointed student member. Mr. Munoz is a MBA student and a recent Notre Dame law school graduate. An Arts and Letters representative has yet to be seated.

Matt Doherty, head Men's Basketball coach, was the invited guest of the Board. He spoke about the goals of his program, his assistant coaches, and his philosophy of recruiting. Coach Doherty stated that he wished to recapture the enthusiasm and rekindle the tradition of great basketball at Notre Dame. Professor Hahn asked

questions about how he and his assistants represent Notre Dame to prospective students; Professor Borkowski asked about current students, in particular, the two students from Croatia and the transfer student from Oklahoma; Mr. Munoz asked about the extent of Coach Doherty's involvement with each recruit; and Professor Thomas asked whether he targets certain geographical areas for recruiting. Coach Doherty answered all questions and thanked the Board for their interest in his program.

Following the departure of Coach Doherty, the minutes of the August 30, 1999, meeting were accepted.

1. The Board considered the playing schedule for Baseball. Professors Borkowski and Guiltinan voiced concern regarding the number of games scheduled during the study days. After considerable discussion, the Board voted to approve the schedule with the exception of the May 4 (study day) game vs. Oakland. Mr. Wadsworth stated that he would discuss rescheduling the game with Coach Mainieri. Regarding a different game, Father Poorman asked that the team travel home from the Georgetown game on Holy Saturday so that the students may spend Easter on campus.

2. The Board considered playing schedules for Women's Basketball, Men's Fencing, Women's Fencing, Men's Lacrosse, and Women's Swimming. The Board discussed the schedules and voted to approve. With a concern for the religious needs of the athletes, Father Poorman noted that several of the fencing matches begin at 8 am on Sundays and run throughout the day. Father Beauchamp suggested that a chaplain travel with the team.

3. Father Beauchamp and Mr. Wadsworth spoke at length about the pending decision from the NCAA Infractions Committee. Mr. Wadsworth noted that the Committee met this past weekend and that a decision will be forthcoming in due course. Father Beauchamp stated that Notre Dame will be given 24 hours notice prior to the release of the decision. Mr. Wadsworth stated that in the case of

the most recent alleged violations (centering on a current student-athlete) that the University acted prudently and swiftly in reporting information to the NCAA. Mr. Wadsworth commented that the publicity surrounding the NCAA issue will be intense and that he is anticipating a negative spin from the press. Professors Borkowski, Hahn, McAdams, and Father Poorman asked questions about the specifics of the allegations, which Mr. Wadsworth, Father Beauchamp, and Professor Halischak answered candidly and in detail.

4. The Board considered monogram recommendations for Baseball. The Board voted to approve the recommendations.

5. The Board approved the names of the following individuals as captain candidates in their respective sports. Women's Fencing: Kim DeMaio, Magda Krol, Carianne McCullough; Hockey: Nathan Borega, Tyson Fraser, Ben Simon.

6. The Board considered the names of several individuals as captain candidates in Men's Fencing. The Board voted approval for Jim Harris and Clay Morton. The Board did not approve one candidate. Professors Della Neva, Borkowski, Hahn, and Father Poorman expressed concern about the academic record of the candidate, stating that his performance did not meet the Board's requirement for consideration of this leadership role.

Due to time constraints, the Report of the Ad Hoc Committee on Admission and Advising of Student-Athletes by Father Poorman was tabled until the November meeting.

There being no further business, the meeting was adjourned at 5:15 p.m.

### Monday, November 15

In attendance: Rev. E. William Beauchamp, C.S.C., Chair; Professor Matthew Barrett; Professor John Borkowski; Professor Jo Ann Della Neva; Professor Joseph Guiltinan; Professor Alexander Hahn; Professor Kate

Halischak; Professor Jerry Marley; Mr. Omar Munoz; Professor James McAdams; Rev. Mark Poorman, C.S.C.; Professor Clark Power; Professor Kerry Thomas; Mr. Michael Wadsworth.

The meeting was called to order at 3:05 p.m.

The minutes of the September 27, 1999, meeting were accepted. The Board voted to include as an official part of these minutes action taken September 29, 1999, to approve the fall playing schedule of Women's Lacrosse.

Father Beauchamp welcomed Professor Clark Power, the newly elected representative of the College of Arts and Letters.

1. The Board approved the playing schedule for Women's Lacrosse (spring semester).

2. The Board considered an addendum to the monogram recommendations for Baseball; the name of Jeff Felker was added to those recommended for a monogram.

3. The Board considered a request for a monogram by exception for Matt Horsley in Men's Tennis; the issue was tabled for lack of information. Mr. Wadsworth was asked to gather additional information regarding the participation record of the candidate and report to the Board at the next meeting.

4. The Board approved the names of the following individuals as captain candidates in Softball: Danielle Klayman and Jennifer Sharron.

5. At the September 27, 1999, meeting, the Board decided that all student-athletes, regardless of grant-in-aid status and number of years on the team roster, should file an application for fifth year eligibility with the Faculty Board. In the past, only those student-athletes who had been on a team roster for four years were required to seek permission for additional eligibility. In accordance with this new policy, the Board approved application for fifth years of eligibility for the following non-scholarship student-athletes for the current

season in Football: Mark Rule, David Shenk, and John Shingler. Professor Hahn found the applications inadequate in their academic aspect. The personal statements by the students did not supply convincing evidence that they had thought through their academic plans carefully enough. The comments by the academic advisors were generic and did not sufficiently address the quality and appropriateness of the academic agendas that the students proposed. Hahn expressed the hope that in the future, fifth year applications would measure up to the standards that the faculty board had articulated in previous years. Professors Halischak and Borkowski volunteered to redesign the application and clarify the procedure. Mr. Wadsworth offered the assistance of the Life Skills program.

6. Father Mark Poorman reported on the work of the Ad Hoc Committee on Admission and Advising of Student-Athletes. The committee had visited a number of peer institutions and had questioned each regarding policies and procedures for the admission of, the advising of, and the support for student-athletes. Father Poorman led the Board through the list of the committee's recommendations, soliciting comments and questions about the findings. The Board discussed at length a recommendation to raise the percentage of African-American students. Most Board members agreed that financial aid packages were important to achieving this goal.

7. Professor Halischak informed the Board of an exploratory discussion that had taken place November 3 regarding the possibility of allowing student-athletes in several sports to advance register for sections of courses that meet earlier in the day during their seasons of competition. The topic had been raised as a "quality of life" issue for the student-athletes. She emphasized the tentative nature of the discussion among the Registrar, representative college administrators, several members of the athletic department, and members of Academic Services for Student-Athletes. Board members expressed concerns about the complexity of implementing such a procedure and the ramifications of such a policy.

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

### Wednesday, December 1

In attendance: Rev. E. William Beauchamp, C.S.C., Chair; Professor Matthew Barrett; Professor John Borkowski; Professor Joseph Guiltinan; Professor Alexander Hahn; Professor Kate Halischak; Professor Jerry Marley; Mr. Omar Munoz; Rev. Mark Poorman, C.S.C.; Professor Clark Power; Professor Kerry Thomas; Mr. Michael Wadsworth. Absent due to teaching and departmental obligations: Professor Jo Ann Della Neva and Professor James McAdams.

The meeting was called to order at 3:07 p.m.

The minutes of the November 15, 1999, meeting were accepted.

1. The Board considered monogram recommendations for Football, Men's Soccer, and Student Trainers. The Board discussed the recommendations and voted to approve.
2. The Board considered a request for a monogram by exception for Matt Horsley in Men's Tennis. Mr. Wadsworth informed the Board of the candidate's dedication and commitment to the team following a career-ending injury. The Board discussed the recommendation and voted to approve.
3. The Board considered a request for Ryan Dolder as Alternate Captain in Hockey. Following a brief description of the role of an alternate captain, the Board voted to approve.
4. Father Beauchamp informed the Board that three members of the Hockey team, David Inman, Brett Henning and Connor Dunlop, had been invited to participate with the U.S. team in the Junior World Championships. Because this elite team would [practice and] compete during our final exams, Father Beauchamp asked the Board for its views on the merits of asking these student-athletes' deans for special consideration in the scheduling

of final exams, suggesting the "Procedure for the Resolution of Conflicts between Final Examinations and Post-Season Championship Tournaments" as a possible model. The consensus of the Board was to request that special consideration, acknowledging that the final authority rested with the deans. Father Beauchamp asked Dr. Halischak to follow up on the necessary communications.

5. The Board discussed several versions for the proposed Kanaley Award Nomination Form, which coaches can use to nominate one individual from their teams, to enable the Board to gather relevant information about each candidate. This long standing award goes to the senior monogram athletes considered by their coaches and the Board to be the most exemplary as students and leaders. After considerable discussion, the Board agreed on the form and suggested that a cover letter be written to accompany the form. Father Beauchamp asked Dr. Halischak to make the recommended changes in the form and to draft a cover letter.

6. Dr. Halischak provided additional information about a discussion that had taken place November 3 regarding the possibility of allowing student-athletes to take courses that meet earlier in the day during their season of competition. The current agreement regarding class times for student-athletes allows players to be out of class by 2:45 MWF and 3:15 TH, except when no alternative time exists for a required course. The topic of earlier classes had been raised as a "quality of life" issue for members of the Football team, in particular. Under a proposed change, which would affect only student-athletes on the Football team, those student-athletes would complete classes, whenever possible, by 2:00 p.m. in the fall semester; then in the spring semester those student-athletes would have the entire class day in which to take courses. Professors Borkowski and Thomas spoke to logistical difficulties with such a proposal, while Professor Hahn questioned whether or not students would be limited in the majors they would be able to pursue. After the discussion, Father Beauchamp asked Dr.

Halischak to continue to explore the possibilities and ramifications of such a change with the deans of the undergraduate colleges.

7. Mr. Wadsworth discussed his "Athletic Director's Report, 1995-1999" which had been sent to Board members earlier in the week. He spoke briefly about the inception of the report and its contents. He then fielded questions from Board members. Professor Borkowski wanted to know more about the education of student-athletes regarding the rules that govern their conduct as Notre Dame students and as NCAA participants. Mr. Wadsworth spoke in detail about the Life Skills program's "core components" which are designed to educate and guide student-athletes in areas such as compliance, gambling, agents, and university protocol. Following Mr. Wadsworth's comments, Father Poorman stated that the Office of Student Affairs will conduct orientation sessions for incoming Football team members and their parents in an effort to emphasize the role of student conduct on campus. Professor Guiltinan asked if a shortened version of the Report could be made available to the faculty. Father Beauchamp suggested that such a version could be included in the *Notre Dame Report* as part of the official minutes of the Faculty Board meetings. The Board agreed that the suggestion was a good one. Father Beauchamp stated that he and Mr. Wadsworth will work on editing the piece for inclusion in the *Notre Dame Report* (see attached). As some Board members did not have the opportunity to read the report, Mr. Wadsworth offered to meet at a later date with any Board member or to respond in writing to any questions that Board members might have. The Board thanked him for his discussion and for the report.

There being no further business, the meeting was adjourned at 5:03 p.m.

## University of Notre Dame Department of Athletics 1995-2000 Report

January 2000

The University of Notre Dame Athletic Department is in the midst of the fifth year of a five-year plan initiated in June 1995. This report highlights the objectives set out in that plan and details progress that has been made in achieving those goals.

### A. The Mandate

The University of Notre Dame Athletic Department will pursue excellence through its comprehensive recreational sports program and be a leader in intercollegiate athletics without distorting its primary role as an educator and moral guide. This is the charge set out by Fathers Edward A. Malloy and E. William Beauchamp, C.S.C., the president and executive vice-president of the University, respectively. This has been the ongoing tradition established by successive administrations at the University.

### 1. The Results

These facts from the four-plus years beginning with the 1995-96 academic year are a scorecard for evaluation:

\* Notre Dame was awarded the BIG EAST Conference Commissioner's Trophy for all-sports excellence and achievement for men's sports four years in a row, from 1995-96 through 1998-99.

\* Notre Dame was awarded the BIG EAST Conference Commissioner's Trophy for women's sports the past three years (1996-97 through 1998-99) and earned a second-place finish out of 13 institutions during Notre Dame's first year of league play in 1995-96.

\* Sears Directors' Cup standings, measuring the breadth of accomplishments on a national scale, ranked Notre Dame 11th, 14th, 31st, and 25th to av-

erage a top 20 finish in these four years. Only two schools in the nation — Notre Dame and Stanford — are ranked in the top 20 academic institutions by *U.S. News & World Report* and have averaged top 20 finishes athletically in the Sears Cup standings. Notre Dame ranked 11th through the '99 fall sports seasons, thanks to NCAA team qualification in women's soccer (NCAA runner-up), men's and women's cross country (the men finished eighth) and volleyball.

\* A recent survey by *The Sporting News* evaluated 112 colleges competing in NCAA Division I sports by standards ranging from on-field to academic performance. One of the broad categories for evaluation is: "Do we play fair?" for which Notre Dame received an "A." Notre Dame also received an "A" for "Do we graduate?" — along with an "A-minus" for "Do we rock?" (based on attendance and fan support) and a "B" for "Do we win?" Notre Dame ranked third overall (with a 3.67 grade-point average) behind Penn State (3.92) and North Carolina (3.75). It is interesting to note the rankings of these schools:

Stanford	—	4th
USC	—	32nd
Duke	—	6th
Vanderbilt	—	33rd
Michigan	—	13th
Boston College	—	38th
Northwestern	—	17th
LSU	—	86th

\* A record-number 35 Notre Dame teams qualified for NCAA Championship post-season play from 1995-96 through 1998-99 — and four more accomplished that feat in the fall of '99. This does not include student-athletes who qualified on an individual basis for post-season NCAA competition in cross country, track and swimming, nor does it include three bowl appearances by the football team.

\* Twenty women and 15 men earned Academic All-America honors in this period, the most in Notre Dame history in any four-year span. Notre Dame also led the nation the past three years combined (1996-97 through 1998-99) with its total number of Academic All-Americans.

\* The top eight scholar-athletes are honored annually by the NCAA, in a group known as Today's Top VIII. Notre Dame broke into this elite field for the first time in 1996 with the selection of Jen Renola, goalkeeper on the 1995 national champion women's soccer team.

\* The Honda-Broderick Cup is awarded annually to the most-outstanding female athlete in the country. Cindy Daws, a women's soccer All-American, won it in 1997 and is the first Notre Dame athlete to do so.

\* The student body grade-point average has been just below 3.1 over this four-year period. For the student-athlete population, it has been above 3.0. In the academic year 1998-99, 167 student-athletes, or about 23 percent of the total, made Dean's List.

\* The graduation rate for Notre Dame student-athletes who complete four years of athletic eligibility is 99 percent.

\* The Rec Sports program annually reaches more than 85 percent of students on campus. The club sports program features 600 students competing in 25 sports locally, regionally and nationally. The Rolfs Sports Recreation Center and other facilities provide clinics, classes and fitness opportunities for more than 5,000 students, faculty, staff and families each year. Intramural sports continue their popularity by attracting more than 7,000 individuals annually.

## 2. The Changed Environment

A great many people at Notre Dame share the credit for these lofty accomplishments. The Athletic Department has changed from the former years when it sponsored seven sports — with part-time coaches in all but two of them. There now are 26 varsity sports, a comprehensive rec-sports and fitness program for all faculty, staff and students, 112 acres of ground for their purposes — plus nine major athletic buildings. Between July 1, 1998, and June 30, 1999, Notre Dame managed 4,232 events in one or the other of

those nine facilities or upon some portion of those 112 acres.

To do all of this the Department has 251 full-time employees, 1,400 students or part-time employees, and more than 750 student-athletes. Twenty-two of those full-time employees are head coaches whose operations may be compared to divisions within an industrial complex. Each is dedicated throughout the year to obtaining the high standards to which he/she aspires. Each one helps prepare and implement an annual budget for which he/she is held accountable, and provides a rolling five-year plan with stated objectives, measurable targets and a projection for what he/she requires in the constant battle for restricted human and financial resources.

## 3. The Complexity of the Department and The Plan

The Athletic Department has expanded threefold its annual expense budget since 1985 and increased by 400 percent its annual revenue in that same period. The recreational sports program for the general student body and faculty and staff members is one of the most comprehensive in the country. The national average for participation in such college programs is 55 percent. At Notre Dame it is approximately 85 percent. It covers such opportunities as the Bengal Bouts, 23 club sports, fitness classes, and instruction and clinics in subjects from sailing to fly-casting. With the construction of the Rolfs Sports Recreation Center came the opportunity to better serve the entire University community. In addition to providing additional recreation programming it has given leadership and employment to 30 students.

The varsity teams, coaches and student-athletes — and the professionals staffing the key support areas — are a diverse and dynamic group of people. These multiple programs present complex issues because of the high-profile enterprise in which the Department is engaged and the constant challenge of participating in the personal develop-

ment of 750 men and women between 18 and 22 years old.

The potential of a celebrated athletic program to serve the general interests of an institution has created an explosion in expenditures on facilities, coaches' compensation and women's programs by many competitors.

To compete in this environment and manage these diverse, complex issues, Notre Dame must have excellence throughout the athletic administration. In 1995, three senior positions were created:

\* Associate Athletic Director for Student Services — Dr. Tom Kelly

\* Associate Athletic Director for Legal, Compliance, and Strategic Planning — Missy Conboy

\* Associate Athletic Director, Finances — Bubba Cunningham

Authority could be delegated to these experienced administrators and their respective staff only if a long-term plan of targeted results and the criteria for decision-making was created.

## 4. The Five-Year Plan

For the first time in 1995-96, a five-year plan was created and agreed upon by administrators of the Athletic Department and their staff members. It has served the Department well.

The key criteria for the five-year plan to end June 30, 2000, are:

I. Understand that the Athletic Department exists only to support the mission of the University.

II. Provide Notre Dame's student-athletes with a four-year experience geared to launch them successfully into their chosen careers.

III. Hire and retain coaches who embrace their role as teachers and mentors to the student-athletes.

IV. Manage efficiently and equitably the physical, financial and human resources of the Department.

Here is a more detailed breakdown of those four criteria:

### **I. Support the Mission of the University**

The Athletic Department has a unique opportunity through its varsity programs to serve as a visible example to all members of the student body of how an organization deals with the challenge of competition. Success in competition demands a solid organizational structure, leadership, dedication, discipline, teamwork and integrity. Adversity and the unexpected will test the resolve of an individual, even the collective team. How coaches and players deal with these issues is akin to a laboratory of human experience that can have greater impact than the written word in a textbook or the theoretical discussion of a seminar. No other country supports such an elaborate system for intercollegiate athletic competition. It may be a factor in why the United States is the world leader economically, politically, and militarily. Americans learn about competition, leadership, and teamwork at an early age. The successes cited previously during this four-year period attest to this aspect of the mission. Beyond the varsity athletic experiences, Rec Sports contributes significantly to the stated goal of education of the total individual — mind, body and spirit.

### **II. Providing Student-Athletes With a Four-Year Experience That Launches Them Into Their Next Career**

This objective arose because the classical education and lessons learned from athletic competition did not always fill the needs of Notre Dame student-athletes whose personal backgrounds vary tremendously. The Athletic Department wants to take an active interest in helping each student-athlete approach graduation with the confidence of a bright future as opposed to the fear of being exposed to the world for the first time outside the cocoon of organized sports. Notre Dame's objective is that all student-athletes who graduate will do so knowing that the Athletic Department was interested in them personally, not merely for their athletic ability.

This focus on the welfare of the student-athlete addresses two other key issues. By approaching each of them with programs to further his/her future prospects, it allows the Athletic Department to introduce sessions to help them make better decisions. This is a more attractive experience for them than the typical lectures on alcohol, drug and physical abuse. These issues are put into the context of a plan that goes beyond graduation and what will be significant to the individual's prospect of achieving that plan.

Very importantly, these programs bring a greater focus by Notre Dame's coaches and administrators to the personal development of student-athletes. A consequence of which is, Notre Dame is better positioned to learn of problems in a timely manner and to take action as required.

The Life Skills program, which began in 1996-97, focuses on these subjects:

- \* The promotion of community service.
- \* Career mentoring, by introducing student-athletes to athletic alumni who have succeeded in their chosen vocation. They also learn to prepare a resume and consider carefully "Life after Notre Dame."
- \* Substance abuse.
- \* Gambling.
- \* Mentors in violence prevention; sexuality and date rape.
- \* Nutrition — to address the risk of eating disorders and to promote the opportunity for them to compete most effectively in the classroom and in athletic competition.
- \* Leadership.
- \* Public speaking and media relations.

These are the main core programs given to all student-athletes through Life Skills. Additionally, the Department assists them in dealing with other issues through these initiatives:

\* Academic Honors Program — It exists to promote the potential of academically-gifted student-athletes. While the Department long has supported those who struggle, this particular program celebrates those who lead.

\* Professional Sports Agent Program — It attempts to assist the student-athlete and his/her family to make a fully-informed, good decision. If Notre Dame puts its collective heads in the sand, it will only encourage illegal contact.

\* Diversity Committee — This recently-developed committee operates in the context of the University's statement on cultural diversity. It assists the Department in being more aware of these sensitive issues.

\* Professional Development Workshop Series — These programs are held annually for coaches and administrators alike to assist in re-examining how objectives are pursued.

\* Performance Team — It's comprised of the University physician, head trainer, strength and conditioning coordinator, two sport head coaches, Associate Athletic Director Dr. Tom Kelly and Life Skills Coordinator Jannifer Crittendon. This group deals with issues of general application to the student-athlete population with a focus on health and performance. Subjects such as nutrition, use of supplements, equipment, training methods, and insurance coverage are examples of areas they have studied.

### **III. Hire and Retention of Coaches Who Embrace Their Role as Teachers**

Seven varsity head coaches and a coordinator for strength and conditioning have been hired in the past four years. Two of the seven were hired because two new women's programs, lacrosse and rowing, were added to the list of Notre Dame's varsity offerings.

In every case, a search was conducted in which the administrator responsible had the support of a committee to evaluate all candidates. This required the development of criteria believed to be necessary for success in the program.

In the examples of football coach Bob Davie and men's basketball coach Matt Doherty, the Faculty Board on Athletics and the Athletic Affairs Committee of the Board were advised of the procedures followed in the respective searches and why each of the successful candidates was selected.

Each head coach has a job description citing what objectives and results are critical to his/her performance. These targeted results are the basis for ongoing discussion during the year and the factors considered in the annual performance evaluation.

#### **IV. Efficient and Equitable Management of Human, Financial and Physical Resources**

To pursue this objective, key organizational changes were made:

- \* The Athletic Director retained direct administrative responsibility for football and men's basketball. While he is ultimately accountable for all programs, direct responsibility was delegated to the three Associate Athletic Directors for the remaining programs. The exceptions are baseball, which reports to Assistant Athletic Director for Marketing Bill Scholl, and men's and women's lacrosse, which are supervised by Assistant Athletic Director for Sports Information John Heisler.

- \* Hundreds of athletic competitions occur on the Notre Dame campus annually. The responsibility of organizing formally the management of these events and playing host to the visiting teams was assigned to Assistant Athletic Director Tony Yelovich.

- \* 4,232 events took place in athletic facilities or fields in the year ended June 30, 1999. There are constant issues for scheduling. Mike Danch was made Director of Athletic Facilities to arbitrate these issues and to make known future needs that may require major renovation and/or new construction projects.

- \* Financial planning was centralized in the office of Bubba Cunningham. Previously, an annual budget was completed by the Business Manager and the Athletic Director. This had proved

inadequate to keep pace with the growth in the department.

Currently, each head coach and the administrator for that program put forward a budget with the assistance of the Athletic Department Business Office. These are then combined with the remaining budget centers in the Department for review by the Athletic Director and three Associate Athletic Directors according to the guidelines from the University Budget Sub-Committee. It is then submitted for approval by Father Beauchamp. Progress on the budget is monitored monthly by Bubba Cunningham meeting with representatives of the University's Budget Committee.

Furthermore, the Athletic Department was the first unit within the University to initiate rolling five-year projections for more effective planning and management of our resources.

- \* Title VII and the Fair Labor Standards Act are examples of Federal employment regulations impacting the management of the Athletic Department staff. There are numerous other personnel matters ranging from payroll issues to appropriate behavior, preparation of job descriptions and annual performance evaluations. To insure the necessary attention to these details and the appropriate orientation for new coaches and/or employees, an employment coordinator was hired.

- \* The Performance Team recommended that the Athletic Department change from being the primary insurer for medical claims for student-athletes to offering excess medical insurance coverage for athletically-related injuries. It adds no cost to the student-athlete or his/her family, but the savings to the University are significant. A Medical Claims Specialist has been hired to administer this program.

- \* Previously, no provision was made in the annual budget for renovation and repair of existing athletic facilities. A building fund existed and it was used on an "as needed basis." An Athletics Facility Renewal Fund created from the annual premium paid for football season tickets, totaling \$1.6 million, is

now being used for projects identified and agreed upon by the Athletic Department and Facilities Engineering. Here, as well, projects and their costs have been planned on a five-year cycle.

- \* Explosive growth of recent years necessitated an internal controls financial audit to insure the integrity of all financial operations within the department. That has been completed and brought about changes in our procedures.

- \* During the past five years, the Athletic Department has supported the comprehensive recreational sports program plus the 26 varsity teams and contributed a dividend of \$25.8 million, or an average of \$5.16 million per year, to the University's general fund. Projections to the year 2005 have been reviewed with the Budget Sub-Committee and a more detailed plan to the year 2005 will be completed this spring.

- \* Facility enhancements costing approximately \$100 million have been made since 1995. While the list of completed projects fills three pages, the key projects in this group are the expanded Notre Dame Stadium for football, the Warren Golf Course, and the new Rolfs Sports Recreation Center. The Joyce Center is now more than 30 years old. It was constructed when Notre Dame had only a male population and a handful of varsity programs. Issues remain to be addressed and they will be included in the five-year program to 2005.

#### **B. Implications of NCAA Violations**

Two years of publicity resulting from dealings with the NCAA have almost obliterated from public consciousness the achievements of Notre Dame student-athletes and coaches and the industry of our administrators during that period. The embarrassment to the Athletic Department and to all associated with the program is deep.

The NCAA matter made all involved aware that Notre Dame's coaches must be more involved with the personal de-

velopment of their student-athletes. It has been made clear – demanded, in fact – that information must be brought forward, however troubling it may be. The failure to bring forward information will be dealt with at least as seriously as the act or actions in question. The facts of the NCAA case demonstrate as well the need for education of student-athletes on issues of personal behavior. It underscores the need for the support the Life Skills programs can provide to the student-athlete population.

The NCAA case sends the clear message that winning isn't everything. Character counts. Having coaches who believe that, who recruit that way, and who are committed to the mentor role is essential to being able to manage these situations. The term "manage" is used advisedly. It's impossible to eliminate human error in the future any more than that has been done in the past.

Consider what a diverse group of student-athletes exist at Notre Dame – 750 young men and women between 18 and 22 years old. They are away from home for the first time, engaged in emotional experiences as competitors that cause their ambitions to flair one day – and flatten with discouragement the next. It is a time for exploration, finding oneself, learning one's potential, and accepting one's limitations. It is a period of stress. It is a time to grow and mature.

These are among the reasons every school has an Office of Student Affairs or its equivalent. Young adults make mistakes; parents make mistakes; Admissions makes mistakes, and coaches make mistakes. The experience of the Notre Dame student-athlete before Student Affairs tracks that of the student body. We will not eliminate human error, youthful misjudgment, or even character disorders from the student population. The key is to be attentive to what is happening, act decisively when necessary, be consistent and fair, but firm – and always strive to do what is right, however challenging or embarrassing it may be at a given point in time. That is what is meant by "managing" future issues.

As the NCAA matter points out, the management of the Athletic Department is made more complex because it is a lightning rod to the University. Its historic prominence nationally and internationally has served the University well. However, in an environment changed dramatically by the proliferation of media outlets and technological change, Notre Dame's celebrated status marks it as an easy target. Ultimately, the Athletic Department probably receives greater scrutiny than any other part of the University.

### C. The Need to Communicate

All of this scrutiny exists to gain a level of confidence from knowledge of how the Athletic Department is being directed. Notre Dame's senior athletic staff interacts with other University personnel in many ways:

- \* Athletic Director Mike Wadsworth participates in regular staff meetings of Father Bill Beauchamp's direct reports in which key information about respective obligations is exchanged on a timely basis.

- \* Dr. Bill Sexton and Mike Wadsworth meet monthly with the public relations and Sports Information staff members to discuss current and potential issues. The respective staff members also meet as often as may be required.

- \* Senior Athletic Department staff members serve on at least eight committees with members of other University departments. Dr. Tom Kelly liaises with no less than 12 centers on campus in his responsibility for student-athlete services and the Life Skills program.

- \* The Athletic Director also serves on the Capital Planning Committee, the Policy Committee on Licensing, and is a member of the Ireland Council and the International Advisory Council of the University.

- \* The Athletic Director appeared before each of the College Councils to discuss Athletic Department plans and aspirations and to receive input from the faculty members of these Councils.

- \* Senior Department personnel appear regularly before Alumni Senate groups, the Alumni Board, and appear at numerous Notre Dame functions to tell the story of what's happening in athletics.

- \* Through the Rec Sports program, every segment of the University directly experiences the impact of the Department. In addition to participation, the Rec Sports staff meets regularly with the rector's Advisory Board as well as the Rec Sports Advisory Council.

All of these are opportunities to learn from others and create a clearer understanding of what is happening in the Department. Yet, the Athletic Department is a prime example of how the University must have a communications plan to its key constituencies to better communicate what is happening institutionally when it comes to athletics.

### D. Future Plan to 2005

An Athletic Department plan to 2005 will be developed this spring. Financial projections through that period project 26 more grants-in-aid to meet Title IX requirements. No additional varsity programs are contemplated.

Athletic facilities needs have been identified and a working relationship with the University Development Office will determine potential scheduling of these projects as the University moves forward to 2005.

Key to this plan will be a communications strategy to address the need to get the facts before the Department's constituencies.

Within this next five-year period significant relationships will be reviewed for extension. They include the Champion apparel contract in 2000, the adidas contract in 2002, football radio rights in 2002 and football television rights by 2005. Rights with respect to the internet are being protected now and are expected to become a significant factor in this period.

## Awards Received and Proposals Submitted

In the Period August 1, 1999, through August 31, 1999.

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	28	2,186,058	24	5,764,341
Facilities and Equipment	0	0	3	684,297
Instructional Programs	1	96,013	1	41,136
Service Programs	0	0	0	0
Other Programs	<u>6</u>	<u>90,666</u>	<u>0</u>	<u>0</u>
Total	35	2,372,737	28	6,489,774

## Awards Received

In the period August 1, 1999, through August 31, 1999.

### Aerospace and Mechanical Engineering

#### Mihir Sen

Pan American Studies Institutes  
National Science Foundation  
\$80,477 15 months

#### Steven B. Skaar

A Computer Controlled Power Wheelchair Navigation System  
Department of Veteran Affairs  
\$21,153 9 months

### Biological Sciences

#### John H. Adams

Studies on Strain Variation in *Plasmodium vivax*  
Veteran Affairs Medical Center  
\$15,000 12 months

#### John Girard Duman

Proprietary Info Agreement Antifreeze Protein Research  
21st Century Medicine, Inc.  
\$6,250 24 months

#### Frederick W. Goetz

Zebrafish Mutagenesis: Reproductive Mutations  
Department of Agriculture  
\$210,000 24 months

#### Alan Leslie Johnson

CAR1, A Novel Avian Receptor  
Department of Agriculture  
\$235,000 36 months

#### Mark A. Schneegurt

Support for Cyanosite, a Webserver on Cyanobacteria  
The Foundation for Microbiology  
\$2,286 24 months

### Chemical Engineering

#### Hsueh-Chia Chang

Wave Enhanced Heat and Mass Transfer  
National Science Foundation  
\$5,000 11 months

### Chemistry and Biochemistry

#### Gregory Victor Hartland

Dye Sensitization of Semiconductor Particles  
Department of Energy  
\$79,499 12 months

### Civil Engineering and Geological Sciences

#### William G. Gray

Thermodynamically Constrained Models for Multiphase Systems  
National Science Foundation  
\$14,815 12 months

#### Yahya C. Kurama

Industrial Match to NSF CAREER Grant No. CMS98-74872  
Portland Cement Association  
\$10,000 12 months

#### Clive R. Neal

Ocean Drilling Program  
Texas A & M Research Foundation  
\$17,370 19 months

#### Billie F. Spencer and Yahya C. Kurama

Supplemental Activities for NSF-STA Summer Institute in Japan.  
National Science Foundation  
\$22,900 11 months

### Computer Science & Engineering

#### Peter Michael Kogge, Vincent William Freeh, and Jay Barrett Brockman

PIM Designs for DIVA Architecture  
University of Southern California  
\$340,000 36 months

### Electrical Engineering

#### Gary H. Bernstein

REU Supplement "From Bits to Chips"  
National Science Foundation  
\$4,000 36 months

#### Daniel Joseph Costello and Oliver Michael Collins

Turbo Coding for Mobile Channels  
Motorola  
\$13,135 12 months

#### Gregory Lynn Snider, Jacek K. Furdyna, and James Merz

Characterization of Single and Coupled Quantum Dots  
National Science Foundation  
\$132,176 36 months

### Mathematics

#### Alex Alexandrou Himonas and Gerard Krzysztof Misiolek

Partial Differential Equations  
National Science Foundation  
\$63,000 24 months

**Sergei Starchenko**

Structures Definable in O-Minimal Models  
 National Science Foundation  
 \$71,100 36 months

**Office of Special Instructional Projects and Activities****Mario Borelli**

CANDAX McNAIR  
 Department of Education  
 \$205,583 12 months

**Physics**

**Howard A. Blackstead, Paul J. McGinn, Peter Ernest Schiffer, Peter C. Burns, and Jacek K. Furdyna**  
 Acquisition of a Traveling Solvent Floating Zone Furnace  
 National Science Foundation  
 \$131,500 12 months

**James Alexander Glazier**

Fingering Instabilities, Collapse, Avalanches & Self  
 Organized Criticality in Liquid Foams  
 Department of Energy  
 \$163,386 24 months

**James J. Kolata, Michael Caspar Wiescher, Umesh Garg, Alejandro Garcia, and Ani Aprahamian**

Nuclear Structure Research  
 National Science Foundation  
 \$18,125 12 months

**Carol E. Tanner**

Precision Measurements of Atomic Lifetimes  
 Department of Energy  
 \$139,402 12 months

**Radiation Laboratory****Simon M. Pimblott, Jay A. LaVerne, and Dan Meisel**

Effects of Water Radiolysis in Water Cooled Nuclear  
 Reactors  
 Department of Energy  
 \$146,501 12 months

**Sociology****David H. Sikkink**

Religion and the Social Construction of American Public  
 Life  
 University of North Carolina  
 \$7,400 14 months

**The Graduate School (Vice President)****Peter Diffley**

Examining Affect and Cognition as Mechanisms  
 Underlying the Marital Conflict—Child Adjustment  
 Relationship  
 Society for the Psychological Study of Social Issues  
 \$1,000 12 months

**Theology****Eugene Charles Ulrich and James Claire VanderKam**

The Publication of Four Volumes of Dead Sea Scrolls  
 Dead Sea Scrolls Foundation  
 \$30,000 74 months

**AWARDS FOR INSTRUCTIONAL PROGRAMS****English****Katherine O'Brien O'Keefe**

Constructing Subjects in Anglo-Saxon England  
 National Endowment for the Humanities  
 \$96,013 12 months

**AWARDS FOR OTHER PROGRAMS****Kellogg Institute for International Studies****Andrew Stephen Reynolds and Scott Mainwaring**

Constitutional Design  
 U.S. Institute of Peace  
 \$38,000 12 months

**Law School****Dinah L Shelton**

Fellowship for Ali Qazilbash  
 Institute Study of World Politics  
 \$5,000 12 months

**The Graduate School (Other)****Peter Diffley**

Local 32B-J Scholarship for Christine Siscaretti during  
 AY99-00.  
 Local 32B-J T.Shortman Fund  
 \$10,666 61 months

**The Graduate School (Vice President)****Peter Diffley**

Fellowship for Jennifer Anthony  
 GE Fund  
 \$30,000 23 months

Fellowship for Michele Waslin  
Institute Study of World Politics  
\$4,000 4 months

Fellowship for Carlo Nasi  
Institute Study of World Politics  
\$3,000 4 months

## Proposals for Research

In the period August 1, 1999, through August 31, 1999.

### Aerospace and Mechanical Engineering

**James J. Mason**  
Characterization of Dynamic Torsional Behavior of Composite Tubes  
Lawrence Livermore National Laboratory  
\$7,500 12 months

Investigation of Fatigue Crack Propagation Rates in UDIMET 720 and AF2-1DA-6  
Ladish Co., Inc.  
\$5,000 12 months

### Biological Sciences

**John H. Adams**  
Studies on Strain Variation in Plasmodium vivax  
Veteran Affairs Medical Center  
\$15,000 12 months

### Chemistry and Biochemistry

**Thomas P. Fehlner**  
Systematic Metallaborane Chemistry  
National Science Foundation  
\$524,969 36 months

**Sharon Hammes-Schiffer**  
Theoretical and Computational Studies of Multiple Charge Transfer Reactions in the Condensed Phase  
National Science Foundation  
\$371,473 36 months

**Dennis C. Jacobs**  
Dynamics of State-Selected Ion/Surface Reactions  
National Science Foundation  
\$368,598 36 months

### Computer Science & Engineering

**Hsing-Mean Sha**  
Optimal Data Scheduling, Data Placement and Architectural Support for Multi-Memory Hierarchy  
National Science Foundation  
\$422,520 36 months

### Electrical Engineering

**Patrick J. Fay**  
Advanced Integrated Multi-Functional OEIC Technology for Micro-and Millimeter-Wave Signal Processing  
DARPA  
\$1,499,070 48 months

**Michael D. Lemmon**  
Algorithmic Verification and Synthesis of Hybrid Control Systems  
National Science Foundation  
\$368,105 36 months

**James L. Merz**  
Solid-State, High Speed Bipolar SLM  
NZ Applied Technologies  
\$20,000 12 months

### English

**Katherine O. O'Keeffe**  
The Literary Cultures of Early England  
National Endowment for the Humanities  
\$263,474 24 months

### German and Russian Languages and Literatures

**Thomas G. Marullo**  
Twilight of Emigre' Russia (1934-1953). A Bunin 'Diary.' Volume Three  
National Endowment for the Humanities  
\$90,560 15 months

### Kellogg Institute for International Studies

**Scott P. Mainwaring**  
Democracy in Latin America: 1940-1998  
National Science Foundation  
\$290,342 36 months

### Lobund Laboratory

**Morris Pollard**  
Prevention of Experimental Prostate-Related Cancers by Soy Protein Isolates Protein Technologies  
International Physics  
\$55,440 18 months

**John M. LoSecco**  
Research in CP Violation in the B Meson Sector  
Department of Energy  
\$221,791 12 months

**Grant J. Mathews**  
Red Giants and Remnants  
National Science Foundation  
\$188,737 36 months

**Peter E. Schiffer and Albert-Laszlo Barabasi**

Experimental and Theoretical Studies of Wet Granular Media

Department of Energy

\$485,310

48 months

**Program of Liberal Studies****G. Felicitas Munzel**

Wisdom and Pedagogy: The "Theory and Praxis" of Kant's Critical Philosophy

J.S. Guggenheim Memorial Foundation

\$33,800

12 months

**G. Felicitas Munzel**

WISDOM and PEDAGOGY: The "Theory and Praxis" of Kant's Critical Philosophy

American Council Learned Society

\$40,000

12 months

Wisdom and Pedagogy: The "Theory" and "Praxis" of Kant's Critical Philosophy.

Earhart Foundation

\$25,000

12 months

Wisdom and Pedagogy

American Philosophical Society

\$40,000

12 months

**Sociology****Naomi Cassirer**

Changing Black Populations and Labor Market Inequality Between Blacks and Whites, 1980 to 1990.

National Science Foundation

\$93,317

24 months

**Richard A. Williams**

The Effect of Racial, Economic, and Institutional Characteristics on Home Mortgage Lending to Underserved Markets.

National Science Foundation

\$136,691

27 months

**Theology****Gregory E. Sterling**

The Philo of Alexandria Commentary Series

National Endowment for the Humanities

\$197,644

36 months

**PROPOSALS FOR FACILITIES AND EQUIPMENT****Electrical Engineering****Patrick J. Fay, Gregory L. Snider, Gary H. Bernstein, and Douglas C. Hall**

Enhanced Fabrication and Characterization of Ultra-High-Speed, Low-Power Electronics

Department of Navy

\$237,034

12 months

**Michael D. Lemmon, Panos J. Antsaklis, and John W. Goodwine**

Hardware Benchmark for Supervisory Hybrid Systems

Department of Army

\$154,263

18 months

**Gregory L. Snider, Gary H. Bernstein, Alan C.**

Seabaugh, Alexei Orlov, and Patrick J. Fay

Fabrication and Measurements of High Speed, High Temperature Quantum-Dot Cellular Automata

Department of Navy

\$293,000

12 months

**PROPOSALS FOR INSTRUCTIONAL PROGRAMS****Chemical Engineering****Paul . McGinnJ**

Computer Aided Innovation in Chemical Engineering

Camille & Henry Dreyfus Foundation

\$41,136

20 months

## Awards Received and Proposals Submitted

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In the Period September 1, 1999, through September 30, 1999.

	AWARDS RECEIVED		PROPOSALS SUBMITTED	
Category	No.	Amount	No.	Amount
Research	21	1,807,039	66	19,144,458
Facilities and Equipment	0	0	0	0
Instructional Programs	1	6,000	0	0
Service Programs	0	0	0	0
Other Programs	4	352,192	0	0
Total	26	2,165,231	66	19,144,458

## Awards Received

In the period September 1, 1999, through September 30, 1999.

### Aerospace and Mechanical Engineering

#### John W. Goodwine

SGER: Stratified Robotic Manipulation Experimental Platform  
National Science Foundation  
\$99,996 12 months

#### John Eldon Renaud

Advanced Information Technology in Design  
National Aeronautics and Space Administration  
\$22,403 36 months

### Biological Sciences

#### John Girard Duman

Proprietary Info Agreement Antifreeze Protein Research  
21st Century Medicine, Inc.  
\$6,250 24 months

#### Jeffrey Lee Feder and Jeanne Romero-Severson

QTL Mapping of Diapause Genes in Rhagoletis  
Department of Agriculture  
\$200,000 36 months

### Chemical Engineering

#### Hsueh-Chia Chang, Kwang-Tzu Yang, and Mark J. McCreedy

Wave Enhanced Heat and Mass Transfer  
National Science Foundation  
\$75,637 23 months

#### David T. Leighton and Hsueh-Chia Chang

Electrokinetic Flow Design for Micro-Laboratories on a Chip  
National Science Foundation  
\$131,406 12 months

#### Eduardo E. Wolf

STM and AXAFS Studies of Supported Catalysts  
National Science Foundation  
\$90,000 12 months

### Chemistry and Biochemistry

#### J. Daniel Gezelter

Simulation and Computational Studies of Membranes  
Camille & Henry Dreyfus Foundation  
\$40,000 60 months

#### Victoria A. Ploplis

Pathological Consequences of the Plasminogen System  
National Institutes of Health  
\$39,769 7 months

### Civil Engineering and Geological Sciences

#### Stephen E. Silliman

Transport in Anisotropic Media  
US Geological Survey  
\$24,011 13 months

### Electrical Engineering

#### Gary H. Bernstein and Patrick John Fay

Circuit Fabrication and Testing  
Department of Navy  
\$251,000 24 months

#### Daniel Joseph Costello, Thomas E. Fuja, Yih-Fang Huang, Oliver Michael Collins, and Patrick John Fay,

Acquisition of Experimental Radio Facility  
National Science Foundation  
\$547,566 36 months

#### Alan C. Seabaugh

Silicon-Based Quantum MOS Technology Program  
Raytheon Company  
\$16,000 12 months

#### Gregory Lynn Snider

Fabrication & Characterization of High Temp. Nanostructures  
National Science Foundation  
\$49,303 12 months

### Government and International Studies

#### Michael P. Zuckert and Catherine H. Zuckert

Graduate Fellowship Program in Political Theory.  
John M. Olin Foundation, Inc.  
\$70,000 24 months

### History

#### John Thomas McGreevy

Thinking on One's Own  
Louisville Institute  
\$50,042 12 months

### Physics

#### Alejandro Garcia

Research & Development of Radioactive Nuclear Reactions  
Lawrence Berkeley National Laboratory  
\$28,850 6 months

#### Randal C. Ruchti

QuarkNet Project  
Fermi National Laboratory  
\$17,600 3 months

### Preprofessional Studies

**Rudolph M. Navari**

Health Assessment Project  
 Maclean-Fogg Company  
 \$15,000 12 months

### Sociology

**David S. Hachen and Ana L. Rodriguez-Gusta**

Doctoral Dissertation Research  
 National Science Foundation  
 \$7,410 12 months

### The Graduate School (Vice President)

**Peter Diffley**

Fellowship for KEELY LANGE  
 Environmental Protection Agency  
 \$24,796 24 months

### AWARDS FOR INSTRUCTIONAL PROGRAMS

### Civil Engineering and Geological Sciences

**Billie F. Spencer**

Instructional Shake Tables  
 Washington University in St. Louis  
 \$6,000 24

### AWARDS FOR OTHER PROGRAMS

### Educational Talent Search

**Warren Outlaw and Myrtie Coleman**

Talent Search  
 Department of Education  
 \$321,538 12 months

### The Graduate School (Other)

**Peter Diffley**

Fellowship for Christine Caldwell  
 Dolores Zohrab Liebmman Fund  
 \$10,218 12 months

Fellowship for Margaret Watkins-Tate  
 Dolores Zohrab Liebmman Fund  
 \$10,218 12 months

Fellowship for Joseph Doerr  
 Dolores Zohrab Liebmman Fund  
 \$10,218 12 months

## Proposals for Research

In the period September 1, 1999, through September 30, 1999.

### Aerospace and Mechanical Engineering

**Raymond M. Brach**

Emergency Automotive Event Reporting System  
 Honda Initiation Grant Program  
 \$29,945 12 months

**Thomas C. Corke**

Free-Stream Turbulence Level Measurements  
 National Aeronautics and Space Administration  
 \$66,457 6 months

Controlled Experiments on Instabilities and Transition to  
 Turbulence on Elliptic Cones at Hypersonic Mach  
 Numbers

Department of the Air Force  
 \$112,492 15 months

**Thomas C. Corke and Flint O. Thomas**

Acoustic Source Modelling and Control for High By-Pass  
 Jet Engines  
 National Aeronautics and Space Administration  
 \$363,152 36 months

**John W. Goodwine**

Robust Robotic Legged Locomotion Control  
 Department of Navy  
 \$299,590 36 months

**Anne L. Marsan**

3D Image Applications in Solid Modeling, Analysis, and  
 Manufacturing Process Planning  
 National Science Foundation  
 \$202,170 36 months

**James J. Mason**

Delamination of Composites  
 National Science Foundation  
 \$361,853 48 months

**Samuel Paolucci**

Calculation of Angle-Turbulence Statistics  
 Civilian Research & Development Foundation  
 \$12,200 18 months

**John E. Renaud, James P. Thomas, James J. Mason,  
 and Anne L. Marsan**

Boeing Cooperative Research In Manufacturing  
 The Boeing Company  
 \$15,000 12 months

**Steven R. Schmid, Edward J. Maginn, and James J. Mason**

High Strain Rate Rheology of Metalworking Lubricants  
National Science Foundation  
\$540,079 48 months

**Steven B. Skaar and John W. Goodwine**

Point and Click Camera Space Manipulation  
National Science Foundation  
\$423,825 36 months

### Anthropology

**Carolyn R. Nordstrom**

The Culture of Shadow Networks - Inquiries into  
Transnational Illicit and Non-state Powers  
American Council Learned Society  
\$65,000 12 months

**Susan G. Sheridan**

REU: Reviving the Past: Undergraduate Research Program  
in Biological Anthropology  
National Science Foundation  
\$208,907 36 months

### Biological Sciences

**Frank H. Collins**

Experimental Parasitology and Vector Biology  
National Institutes of Health  
\$128,931 12 months

**Gary A. Lamberti, Kristin Shrader-Frechette, Stephen E. Silliman, Joan F. Brennecke, and David M. Lodge**

IGERT Full Proposal: Ecology, Engineering, and Ethics-  
Integrating Disciplines in Environmental Science  
National Science Foundation  
\$2,674,300 60 months

**David M. Lodge**

Dean John A. Knauss Policy Fellow: Adrienne J. Froelich  
Purdue University  
\$38,000 12 months

**Jeffrey S. Schorey**

In Vitro Culture of *M. leprae*: A Genetic Approach  
The British Leprosy Relief Association  
\$51,400 24 months

**Thomas Streit**

G FIRST STEPS: Eliminating Lymphatic Filariasis in Haiti  
Bill and Melinda Gates Foundation  
\$5,211,800 60 months

### Chemical Engineering

**Joan F. Brennecke and Edward J. Maginn**

Design and Evaluation of Room Temperature Ionic  
Liquids for Green Chemical Processing  
National Science Foundation  
\$681,354 36 months

**Arvind Varma**

Mechanistic Studies in Thermal Explosion Synthesis of  
Advanced Materials  
Civilian Research & Development Foundation  
\$10,000 18 months

### Chemistry and Biochemistry

**Francis J. Castellino and Elliot D. Rosen**

Hemostatic Balance & Arterial Thrombosis  
National Institutes of Health  
\$585,200 12 months

**Marya Lieberman**

Research Experience for Undergraduates—Nanoscale  
Chemistry at Notre Dame  
National Science Foundation  
\$278,511 48 months

**Slavi C. Sevov**

Solid State and Solution Chemistry of Main Group Metals  
at Negative Oxidation  
American Chemical Society  
\$6,500 2 months

**Richard Edmund Taylor**

Synthetic Methods Towards Cancer Chemotherapeutic  
Agents  
National Institutes of Health  
\$199,401 12 months

**Olaf G. Wiest**

Mechanism and Models of DNA Photolyase  
National Institutes of Health  
\$97,222 12 months

### Civil Engineering and Geological Sciences

**Robert B. Fleischman**

CAREER: Modular Joint Nodes for Steel Special Moment-  
Resisting Frames  
National Science Foundation  
\$25,000 12 months

**Ahsan Kareem**

Effects of Non-Gaussian Earthquake, Wave and Wind  
Loads on Civil Engineering Structures  
National Science Foundation  
\$121,190 36 months

The Aerodynamics of Long Span Bridges: Effects of  
Turbulence and Nonlinearities  
National Science Foundation  
\$294,720 36 months

#### Yahya C. Kurama

CAREER: Seismic Behavior and Design of Non-Emulative  
Precast Concrete Buildings with Supplemental Passive  
Energy Dissipation.  
National Science Foundation  
\$85,000 12 months

#### Stephen E. Silliman

Transport in Anisotropic Media  
US Geological Survey  
\$24,011 12 months

### Computer Science & Engineering

#### Danny Z. Chen and Xiaobo Hu

Geometric Problems in Radiosurgery, Radiation Therapy,  
and Other Medical Applications  
National Science Foundation  
\$263,589 36 months

#### Hsing-Mean Sha

New Synthesis Methodology and Optimization Targeting  
Transistor-level Design for Low Power DSP Applications  
Florida Atlantic University  
\$176,462 36 months

### East Asian Languages and Literatures

#### Xiaoshan Yang

Metamorphosis of the Private Sphere: The Urban Garden  
in Tang-Song Poetry  
American Council Learned Society  
\$25,000 12 months

Metamorphosis of the Private Sphere: The Urban Garden  
in Tang-Song Poetry  
Chiang Ching-kuo Foundation  
\$30,000 0 months

### Electrical Engineering

#### Panos J. Antsaklis and Danny Z. Chen

Optimization and Failure Diagnosis in Discrete Event and  
Hybrid Systems  
Lockheed Martin Corporation  
\$150,000 36 months

#### Panos J. Antsaklis

Regulatory Control of Hybrid Systems Based on Discrete  
Abstractions: Theory and Applications  
National Science Foundation  
\$324,514 36 months

#### James L. Merz

InAs-on-InP Self Assembled Quantum Dots for Long  
Wavelength Emitters  
Civilian Research & Development Foundation  
\$10,000 18 months

### English

#### Maura Bridget Nolan

Spectacular Occasions: Poetics, Performance and History  
in England, 1350-1420  
National Endowment for the Humanities  
\$4,000 2 months

### Film, Television, and Theatre

#### Jill Godmilow

The Lear Tapes  
J.S. Guggenheim Memorial Foundation  
\$32,000 12 months

The Lear Tapes  
Indiana Arts Commission  
\$1,000 12 months

### German and Russian Languages and Literatures

#### Thomas G. Marullo

Keeping Hope Alive. The Poetics of Exile: Ivan Bunin and  
Russia's "Lost Generation" in Paris  
J.S. Guggenheim Memorial Foundation  
\$32,000 12 months

#### Vera B. Profit

Toward a Literary Definition of Evil: Friedrich  
Durrenmatt, Oscar Wilde and Max Frisch  
J.S. Guggenheim Memorial Foundation  
\$32,000 12 months

### Government and International Studies

#### Scott P. Mainwaring

Democracy in Latin America, 1945-1998  
J.S. Guggenheim Memorial Foundation  
\$32,000 4 months

#### Martha L. Merritt

Imagining the Baltic States: Ethnicity and Apocalypse in  
Russian Foreign Policy  
Woodrow Wilson Center  
\$18,000 6 months

### History

#### Mary Ann Mahony

Revisiting the Violent Land: Bahia's Cacao Area, 1850-1937  
National Endowment for the Humanities  
\$4,000 2 months

## Mathematics

### Peter A. Cholak

Computability and Definability in Mathematical Logic  
National Science Foundation  
\$104,864 36 months

### Florian Jarre

Nonconvex Semidefinite Optimization  
National Science Foundation  
\$107,334 36 months

### Juan C. Migliore

The Lifting Problem  
National Science Foundation  
\$120,802 36 months

### The Lifting Problem

Department of Defense  
\$56,769 24 months

## Physics

### Albert-Laszlo Barabasi

Dynamics of Complex Networks  
National Science Foundation  
\$204,826 36 months

### David P. Bennett and Sun Hong Rhie

Galactic Gravitational Microlensing  
National Science Foundation  
\$794,076 36 months

### Ikaros I. Bigi

A Study of the Qualitative Validity of Quark-Hadron  
Duality  
Civilian Research & Development Foundation  
\$2,500 18 months

### Stefan G. Frauendorf

Size Effects in Superconductivity of Nuclei and Metallic  
Clusters  
Civilian Research & Development Foundation  
\$8,100 18 months

### James Alexander Glazier

Experimental Study of Dynamics, Rheology and  
Avalanches in Liquid Foams  
National Science Foundation  
\$274,525 36 months

### A. E. Livingston and Henry G. Berry

Spectroscopy and Forbidden Transitions in Heavy Atoms  
and Ions  
National Science Foundation  
\$431,059 36 months

### John M. LoSecco

Research in CP Violation in the B Meson Sector  
National Science Foundation  
\$1,225,540 60 months

### Grant J. Mathews

Models for the Galactic Center  
National Science Foundation  
\$195,564 36 months

### John A. Poirier

Ultra High Energy Cosmic Ray Research  
National Science Foundation  
\$310,922 36 months

### Randal C. Ruchti, Mitchell R. Wayne, and Neal M. Cason

Detector Development for CMS/HCAL  
Northeastern University  
\$195,931 12 months

### Peter E. Schiffer

REU Supplement  
National Science Foundation  
\$6,850 12 months

### Carol E. Tanner

Precision Measurements of Transition Amplitudes in  
Atomic Cesium  
National Science Foundation  
\$373,944 48 months

## Program of Liberal Studies

### Phillip R. Sloan

Time, History, and Nature: A Study and Translation of  
Buffon's *Epoques de la Nature* (1779)  
National Endowment for the Humanities  
\$77,609 24 months

### Henry Michael Weinfield

A Verse-Translation of Hesiod's *WORKS AND DAYS* and  
*THEOGONY* and Original Poetry  
J.S. Guggenheim Memorial Foundation  
\$32,000 24 months

## Sociology

### Daniel Jonathan Myers

Research on Riots, Protest, and Collective Violence  
National Science Foundation  
\$218,762 36 months

## South Bend Center for Medical Education

### William C. Hamlett

Comparative Biology of Sperm Storage in Vertebrates  
I.U. School Medicine  
\$27,754 6 months

### Reproductive Biology of Brazilian Caecilians and Amphisbaenians

National Geographic Society  
\$26,952 35 months

## Awards Received and Proposals Submitted

In the Period October 1, 1999, through October 31, 1999.

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	25	1,538,987	72	14,211,748
Facilities and Equipment	0	0	0	0
Instructional Programs	0	0	5	2,619,537
Service Programs	0	0	0	0
Other Programs	<u>1</u>	<u>85,000</u>	<u>2</u>	<u>133,500</u>
Total	26	1,623,987	28	16,964,785

## Awards Received

In the period October 1, 1999, through October 31, 1999.

### Aerospace and Mechanical Engineering

#### Robert Charles Nelson

Asymmetric Wing Stall  
Department of Navy  
\$97,875 29 months

#### Steven B. Skaar

Autonomous Robotic Bag Stacking System  
Smurfit-Stone  
\$9,000 5 months

#### Flint Owen Thomas and Robert Charles Nelson

Unsteady Aspects of High-Lift Flows  
National Aeronautics and Space Administration  
\$6,000 2 months

### Biological Sciences

#### John H. Adams

Analysis of MAEBL Gene Expression in Malaria Parasites  
Burroughs Wellcome Fund  
\$15,000 6 months

#### Frank Hadley Collins

Cloning of Plasmodium-Refractoriness Genes  
National Institutes of Health  
\$65,001 4 months

#### John Girard Duman

Proprietary Info Agreement Antifreeze Protein Research  
21st Century Medicine, Inc.  
\$6,250 24 months

#### Jeffrey Lee Feder

The Genetics of Speciation in Rhagoletis  
National Science Foundation  
\$409,217 12 months

#### Gary A. Lamberti

Cooks Run Project  
Department of Agriculture  
\$5,000 12 months

### Center for Ethics and Culture

#### William D. Solomon

Essays in Honor of Ralph McNerny  
Boston College  
\$10,000 3 months

### Chemical Engineering

#### Arvind Varma

Mechanistic Studies in Combustion Synthesis of Materials  
National Aeronautics and Space Administration  
\$27,500 48 months

### Chemistry and Biochemistry

#### J. Daniel Gezelter

A Proposal to Create the Open Science Project  
Sloan Foundation  
\$30,000 12 months

### Civil Engineering and Geological Sciences

#### Jeremy Ben Fein, Charles F. Kulpa, Bruce A. Bunker, and Mark A. Schneegurt

Bacteria-Metal-Mineral Adsorption  
National Science Foundation  
\$225,590 36 months

#### Yahya C. Kurama

Industrial Match to NSF CAREER Grant No. CMS98-74872  
Great Lakes Cement Promotion Association, Inc.  
\$5,000 12 months

Industrial Match for NSF CAREER Grant No. CMS98-74872

Concrete Technology, Inc.  
\$15,000 12 months

Industrial Match for NSF CAREER Grant No. CMS98-74872  
American Precast Concrete, Inc.  
\$5,000 12 months

### Computer Science & Engineering

#### Nikos Panayioti Chrisochoides

Systems Support for the Crack Propagation Project  
Cornell University  
\$52,668 36 months

### Electrical Engineering

#### Thomas E. Fuja

Performance of Fed Std Vocoders in Multimedia Networks  
Department of Defense  
\$50,000 18 months

#### James L. Merz and Alexander Mintairov

Wide Bandgap Semiconductor Materials  
NZ Applied Technologies  
\$7,000 7 months

**English****Cyraina Evel Johnson-Roullier**

Invisible Wo/Men: Modernity, Pan-Africanism, Literary Renaissance

National Research Council

\$30,000

12

**Physics****Randal C. Ruchti, Mitchell R. Wayne, and Neal M. Cason**

Scintillator and Waveshifter Development

Ludlum Measurements, Inc.

\$60,000

7 months

CMS HCAL Construction Project

Fermi National Laboratory

\$120,732

24 months

**Peter Ernest Schiffer**

REU Supplement

National Science Foundation

\$5,000

36 months

**Psychology****E. Mark Cummings**

Family Process, Emotional Security, and Child Adjustment

University of Rochester

\$195,154

8 months

**South Bend Center for Medical Education****Kenneth R. Olson**

Extracellular Fluid Volume Homeostasis in Fish

I.U. School Medicine

\$82,000

36 months

REU Supplement: Effects of Hyposiz and Hypercapnia on Vascular Reactivity Vertebrate, the Rainbow Trout

I.U. School Medicine

\$5,000

36 months

**AWARDS FOR OTHER PROGRAMS****Chemistry and Biochemistry****Karen M. Morris**

K-12 Science Curriculum

Dissemination Center Education Development Center, Inc.

\$25,000

8 months

**Computer Science & Engineering****Steven C. Bass, Lloyd H. Ketchum, and Joseph C. Freeland**

EPICS (Engineering Projects in Community Service)

Purdue University

\$60,000

12 months

**Proposals for Research**

In the period October 1, 1999, through October 31, 1999.

**Aerospace and Mechanical Engineering****Thomas C. Corke**

Phased Plasma Actuators for Unsteady Flow Control

Department of Army

\$329,880

36 months

**Thomas C. Corke and Flint O. Thomas**

Acoustic Source Modelling and Control for High By-Pass Jet Engines

National Aeronautics and Space Administration

\$363,152

36 months

**James J. Mason**

A Simple Method of Characterizing Adhesives for Finite Element Modeling

Loctite Corporation

\$10,000

12 months

**Robert C. Nelson**

Indiana Space Grant

Purdue University

\$40,000

12 months

**Steven R. Schmid**

Tribology Module for Numerical Analysis of Hot Forging

Concurrent Technologies Corporation

\$15,000

7 months

**Steven R. Schmid, Anne L. Marsan, Frank P. Incropera, and James J. Mason**

Minimally Invasive Orthopedic Implants

21st Century Research & Technology Fund

\$1,967,958

24 months

**Mihir Sen and Kwang-Tzu Yang**

Artificial Neural Network Based Models for Two-Phase

Flow Thermal Hydraulics Under Reflood Conditions

Kansas State University

\$175,936

36 months

### Anthropology

#### Susan G. Sheridan

Byzantine St. Stephen's: Reconstructing Life in Antiquity  
From a Biocultural Perspective  
W.F. Albright Institute of Archaeological Research  
\$30,000 9 months

### Biological Sciences

#### John H. Adams

Molecular Analysis of Apical Organelles of Plasmodium  
National Institutes of Health  
\$279,636 12 months

#### Nora J. Besansky

Species Boundaries in the Anopheles gambiae Complex  
National Institutes of Health  
\$202,124 12 months

#### Crislyn D'Souza-Schorey

ARF6-Mediated Signaling in Cell Function  
National Institutes of Health  
\$322,937 12 months

Regulation of Cytoskeletal Remodeling and Cell Invasion

American Cancer Society  
\$450,079 36 months

#### David R. Hyde

Mechanisms of Retinal Degeneration  
National Institutes of Health  
\$219,020 12 months

#### David W. Severson

RFLP Mapping of Plasmodium Refractory Genes in  
Mosquitoes  
National Institutes of Health  
\$288,896 12 months

#### Kevin T. Vaughan

The Role of Cytoplasmic Dynein in the Metastasis of  
Prostate Cancer Cells  
American Cancer Society  
\$449,741 36 months

#### JoEllen J. Welsh

Vitamin D Mediated Apoptosis in Mammary Cells  
National Institutes of Health  
\$329,175 12 months

### Center for Ethics and Culture

#### William D. Solomon

Essays in Honor of Ralph McInerney  
Boston College  
\$10,000 3 months

### Center for Latino Studies

#### Gilberto Cardenas

Humanities Fellowships on Latino Cultural Research in a  
National Museum Context: Issues of Representation and  
Interpretation  
Smithsonian Institute  
\$26,700 12 months

### Chemical Engineering

#### Paul J. McGinn

Combinatorial Synthesis and Screening of Perovskite-  
Related Catalysts  
National Science Foundation  
\$267,893 36 months

#### Agnes E. Ostafin

Chemical Processes in Charged Nano-Scale Silicate Shells  
American Chemical Society  
\$25,000 24 months

#### William C. Strieder and Robert L. Irvine

Active Site Diffusion and Kinetics in Finite Systems:  
Competition, Mutualism, and Mixed Cultures  
American Chemical Society  
\$90,000 39 months

#### Arvind Varma

Combustion Synthesis of Orthopedic Implant Materials  
21st Century Research & Technology Fund  
\$188,672 24 months

#### Eduardo E. Wolf

21st Century Infrared Sensing  
Purdue University  
\$139,881 24 months

### Chemistry and Biochemistry

#### Subhash C. Basu

Targeted Drug Delivery to Prostate Cancer Cells  
CapCURE  
\$50,000 12 months

#### Jaouad El-Bahraoui and Olaf G. Wiest

Molecular Electronics based on Quantum-Dot Cellular  
Automata  
University of Illinois-Chicago  
\$0 12 months

#### Victoria A. Ploplis

The Evaluation of the Fibrinolytic System in Multiple  
Sclerosis  
National Multiple Sclerosis Society  
\$25,000 12 months

Development of Antichemokine Receptor Immunological  
& Genetic Resources  
Indiana University Bloomington  
\$334,080 24 months

**Richard Edmund Taylor**

Conformation-Activity Relationships in Complex Natural Products

American Cancer Society

\$425,147 36 months

**Olaf G. Wiest**

Computational Studies of the Hochi-Jacobsen-Kalsuki Epoxidation

University of Illinois-Urbana-Champaign

\$0 12 months

**Civil Engineering and Geological Sciences****Stephen E. Silliman**

Investigation of Coastal Plain Aquifer, Israel United States-Israel

Binational Science Foundation

\$11,500 36 months

**Computer Science & Engineering****Danny Z. Chen**

Audit Trails: Content, Storage and Processing

Purdue University

\$79,467 24 months

**Nikos P. Chrisochoides**

Multimedia Aspects of Telemedicine

Purdue University

\$80,998 24 months

**Xiaobo Hu**

Evolving Test Patterns for Parameter Prediction and QA Test

Portland State University

\$244,153 36 months

**Hsing-Mean Sha**

New Techniques Based on Application-Specific Approaches to Increase Throughput in High-Performance Networks

21st Century Research & Technology Fund

\$249,053 24 months

**Economics****David M. Betson**

Parental Spending on Children

University of Wisconsin

\$24,200 12 months

**Vai-Lam Mui**

The Political Economy of Social Purges

Chiang Ching-kuo Foundation

\$47,548 24 months

**Electrical Engineering****James L. Merz and Alexander Mintairov**

Wide Bandgap Semiconductor Materials

NZ Applied Technologies

\$7,000 6 months

**German and Russian Languages and Literatures****Jan-Lueder Hagens**

Beyond Tragedy and Comedy: The Drama of Reconciliation

American Council Learned Society

\$25,000 12 months

Beyond Tragedy and Comedy: The Drama of Reconciliation

National Humanities Center

\$35,000 12 months

**Vera B. Profit**

Toward a Literary Definition of Evil: Friedrich

Durrenmatt, Oscar Wilde and Max Frisch

American Council Learned Society

\$40,000 12 months

**Kellogg Institute for International Studies****Scott P. Mainwaring**

Indiana University-University of Notre Dame Consortium in Latin American Studies

Indiana University Bloomington

\$676,236 36 months

**Mathematics****Amarjit S. Budhiraja**

Infinite Time Horizon Problems for Measure Valued Processes in Nonlinear Filtering

National Science Foundation

\$83,076 36 months

**Leonid Faybusovich**

Discretization, Ultra-discretization and Integrability

Department of Defense

\$58,154 24 months

**Bei Hu**

Partial Differential Equations and Applications

National Science Foundation

\$27,065 36 months

**Xiaobo Liu**

Gromov-Witten Invariants and Isoparametric Submanifolds

National Science Foundation

\$75,205 36 months

**Liviu Nicolaescu**

Seiberg-Witten Invariants of Three-Manifolds  
National Science Foundation  
\$92,088 36 months

**Brian B. Smyth**

Problems in Surface Theory/Membranes/Hypersurface  
Singularities  
National Science Foundation  
\$149,830 36 months

**Nancy K. Stanton**

Partial Differential Equations and Several Complex  
Variables  
National Science Foundation  
\$167,611 36 months

**Frederico Jose Xavier**

Applications of Analysis to Differential Geometry  
National Science Foundation  
\$136,433 36 months

**Music****Peter H. Smith**

Quintessential Brahms: Dimensional Counterpoint and  
Expressive Meaning in the C-minor Piano Quartet  
American Philosophical Society  
\$40,000 12 months

**Philosophy****David K. O'Connor**

Socrates and the Envy of the Gods: A Study of Philosophy's  
Ambitions  
American Council Learned Society  
\$40,000 12 months

Socrates and the Envy of the Gods: A Study of Philosophy's  
Ambitions  
National Humanities Center  
\$35,000 12 months

Socrates and the Envy of the Gods: A Study of Philosophy's  
Ambitions  
Center for Hellenic Studies  
\$24,000 10 months

Socrates and the Envy of the Gods: A Study of Philosophy's  
Ambitions  
American Philosophical Society  
\$40,000 12 months

**James P. Sterba**

Practical Ethics: The Importance of Practical Arguments to  
Ethics  
National Humanities Center  
\$36,000 12 months

**Paul J. Weithman**

Religion and the Obligations of Citizenship  
National Humanities Center  
\$31,200 12 months

**Physics****James Alexander Glazier**

Cell Sorting: A Quantitative Study  
Clarkson University  
\$197,130 36 months

**James J. Kolata**

Supplement - Russian Collaboration  
National Science Foundation  
\$44,931 36 months

**John M. LoSecco**

Research in CP Violation in the B Meson Sector  
21st Century Research & Technology Fund  
\$64,816 24 months

**Grant J. Mathews and Yun Wang**

Simulating Sources of Gravitational Radiation  
National Science Foundation  
\$324,631 36 months

**Grant J. Mathews**

Evolutionary Tracks for Nearby Stars  
National Aeronautics and Space Administration  
\$129,139 36 months

**Randal C. Ruchti, Mitchell R. Wayne, and Neal M. Cason**

Scintillator and Waveshifter Development  
Ludlum Measurements, Inc.  
\$60,000 9 months

**Steven T. Ruggiero, Dennis C. Jacobs, and Carol E. Tanner**

Integrated Laser Source for Sub-Picosecond Studies  
21st Century Research & Technology Fund  
\$381,144 24 months

**Steven T. Ruggiero, Jacek K. Furdyna, and Peter E. Schiffer**

Focused Research Group: Ferromagnetic Semiconductors  
National Science Foundation  
\$1,207,047 36 months

**Peter E. Schiffer, Steven T. Ruggiero, and Malgorzata Dobrowolska-Furdyna**

Semiconductor Spintronics: Fundamental Studies of  
Growth and Materials Properties  
Indiana University Bloomington  
\$304,000 24 months

**Yun Wang and Grant J. Mathews**

Probing Physics in the Early Universe

National Science Foundation

\$310,324

36 months

**Psychology****John G. Borkowski**

Predicting and Preventing Neglect in Teen Mothers

National Institutes of Health

\$1,246,133

12 months

**Radiation Laboratory****Jay A. LaVerne**

Radiation Chemistry and Microdosimetry in Plutonium

Storage Environments

Los Alamos National Laboratory

\$50,000

12 months

**Sociology****Lynette P. Spillman**

Markets and Meaning: Cultural Dimensions of Retail

Market Exchange

American Council Learned Society

\$65,000

12 months

**South Bend Center for Medical Education****Robert E. Kingsley and Nancy L. Cole**

A Thermo-Therapeutic Device for the Treatment of

Herpes Labialis Infections

I.U. School Medicine

\$99,729

24 months

**Edward E. McKee**

Mitochondrial Transport and Metabolism of Nucleoside

Analogues and Analog Induced Mitochondrial Toxicities

I.U. School Medicine

\$110,000

24 months

**The Graduate School (Vice President)****Anthony K. Hyder**

NATO Advanced Study Institute on Multisensor Data

Fusion

Department of Army

\$6,000

15 months

**PROPOSALS FOR INSTRUCTIONAL PROGRAMS****Biological Sciences****Gary A. Lamberti, David M. Lodge, Joan F. Brennecke, Stephen E. Silliman, and Kristin Shrader-Frechette**

Integration of Ecology, Geology, and Engineering in

Environmental Research and Education

Department of Education

\$1,218,000

36 months

**Civil Engineering and Geological Sciences****William G. Gray and Robert L. Irvine**

GAANN for Computational Geology

Department of Education

\$735,875

36 months

**Dean - College of Arts and Letters****Kenneth N. Garcia**

Home Education in the Res Publica: Materials for a

College-Preparatory Humanities Curriculum

National Endowment for the Humanities

\$228,662

36 months

**Kellogg Institute for International Studies****Scott P. Mainwaring**

Fulbright Scholar-In-Residence Program, 2000-2001

U.S. Information Agency

\$31,000

10 months

**Nano Science and Technology Center****Gerald Joseph Iafrate and Olaf G. Wiest**

Graduate Assistantships in Nanoscience and Technology

Department of Education

\$406,000

36 months

**PROPOSALS FOR OTHER PROGRAMS****Aerospace and Mechanical Engineering****John W. Lucey**

Industrial Assessment Center

Rutgers University

\$33,500

6 months

**Chemistry and Biochemistry****Karen M. Morris**

K-12 Science Curriculum Dissemination Center

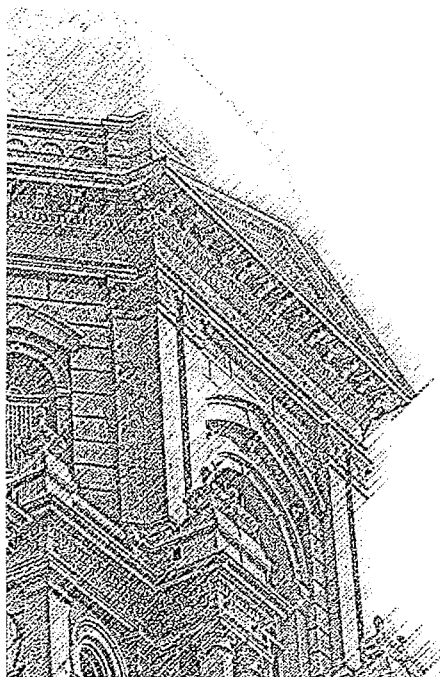
Education Development Center, Inc.

\$100,000

48 months

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# Notre Dame Report



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