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Notre Dame Report

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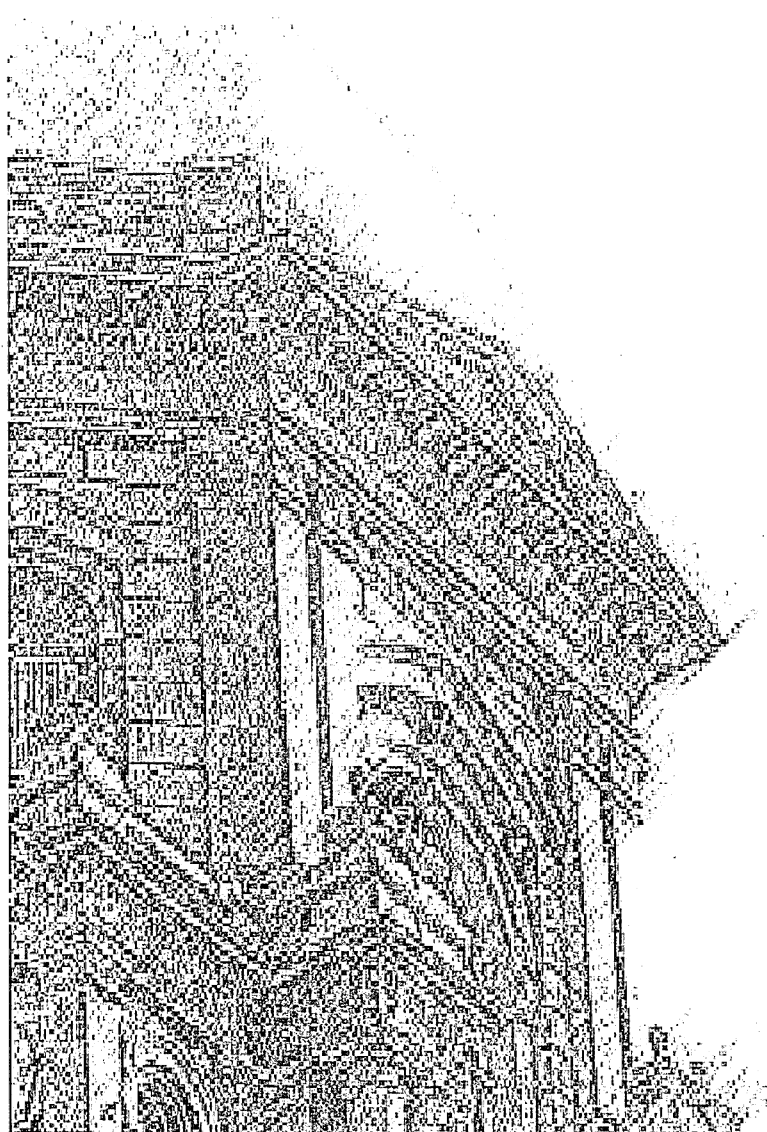
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Faculty Notes

Honors

David E. Campbell, assistant professor of political science, was the 2004 recipient of the E.E. Schattschneider Award from the American Political Science Association for the best dissertation in the field of American government.

Victor P. DeSantis, professor emeritus of history, was nominated as an International Educator of the Year for 2004 by the International Biographical Centre of Cambridge, England.

Maureen T. Hallinan, director of the Center for Research on Educational Opportunity and the White Professor of Sociology, received the American Sociological Association's 2004 Willard Waller Award recipient for her career of work in sociology of education.

Gerald L. Mackie, assistant professor of political science, received the Gladys M. Kammerer Award from the American Political Science Association for the best political science publication of 2003 in the field of U.S. national policy for his book, *Democracy Defended* (Cambridge Univ. Press).

Scott Mainwaring, professor of political science and director of the Kellogg Institute, was a co-winner of the award for the best article published in a professional journal in 2003, awarded by the *Asociación Española de Ciencia Política y de la Administración*, for the article "El conflicto democracia/autoritarismo y sus bases sociales en Chile, 1973-1995: Un ejemplo de redefinición política de un cleavage," *Revista Española de Investigaciones Sociológicas* 13 (July-Sept. 2003): 51-82.

Juan Méndez, director of the Center for Civil and Human Rights, was appointed special advisor on the prevention of genocide by U.N. Secretary-General Kofi Annan.

Alvin Plantinga, the O'Brien Prof. of Philosophy, won the Templeton/American Scientific Affiliation Video Prize for the best lecture in the Templeton/ASA series for

"Evolution versus Atheism," given at Franklin and Marshall College, Nov. 21, 2002.

Activities

Asma Afsaruddin, associate professor of Arabic and Kroc Institute fellow, was an invited respondent and a panelist at the symposium "Beyond Radical Islam" organized by the Le Frak Forum and Symposium on Science, Reason, and Modern Democracy at Michigan State Univ., East Lansing, April 15-17; presented "Inscribing Women in the Annals of Religious Education" at the "First International Conference on Women's Studies" at the Center for Women's Studies, Eastern Mediterranean Univ., Famagusta, Northern Turkish Republic of Cyprus; chaired a panel on "Gender Equity" at the conference "Defining and Establishing Justice in Muslim Societies" sponsored by the Center for the Study of Islam and Democracy, Washington, D.C.; presented "The Islamic State: Genealogy, Facts, and Myths," at the conference "Domination, Expression, and Liberation in the Middle East" at the Middle East Institute, School of Oriental and African Studies, London, July 5-7; and took part in a panel discussion at a teachers' workshop titled "Taking the Mystery out of Islam and the Arab World: Resources and Approaches for Educators" at the Center for Women's Intercultural Leadership, St. Mary's College, South Bend, July 27.

Patricia L. Clark, the Luce Assistant Professor of Chemistry and Biochemistry, presented the seminar "How Do 'Difficult' Proteins Fold Correctly, and Avoid Aggregation?" at the Univ. of Massachusetts, Amherst, July 30; and "Folding Mechanisms and Intermediates for an Aggregation-Prone Beta-Sheet Topology" at the "FASEB Summer Conference on Protein Folding in the Cell," Aug. 1.

Frederick J. Crosson, the Cavanaugh Professor Emeritus, presented "On the Catholic Intellectual Tradition" to the "Fides et Ratio

Colloquium III" at Franciscan Univ. of Steubenville, Ohio, on July 14.

Fred Dallmayr, the Dee Professor of Philosophy and Political Science, presented "Lessons of September 11 and the Iraq War" at the annual meeting of the Mexican Philosophical Association, Guadalajara, Nov. 28-30, 2003; "Globalization at the Crossroads" at the "International Seminar for North-South Dialogue" at the Univ. of Seville, Spain, March 2-6; "Empire or Cosmopolis" at the meeting of the International Studies Association, Montreal, March 18-20; "Homelessness and Homecoming: Heidegger on the Road" at the Univ. of Concordia, Montreal, March 19; and "Ambivalence of Europe" at a conference on "The Future of Europe" at Schloss Elmau, Germany, April 5-9. He served as a discussant on a panel on "Comparative Political Theory" at the meeting of the Midwest Political Science Association in Chicago, April 15; presented "Colonizers and Colonized" at the conference "Colonialism and Its Legacies" at the Univ. of Chicago, April 23-25; "Adorno and Heidegger on the Underside of Modernity" at a conference on "Adorno and Heidegger" at the Univ. of Montreal, April 29 to May 1; an invited lecture on "Empire and Cosmopolis" at Ramapo College, New York, May 5; and lectured on Heidegger and Adorno at Bosphorus Univ., Istanbul, Turkey, May 14. He presented "The Dignity of Difference: A Tribute to Jonathan Sacks" at a conference on "Religious Faith and Peace" in Istanbul, May 15-16. He served as organizer and presiding officer of the annual conference of the Society for Asian and Comparative Philosophy in Monterey, Calif., June 20-23; and presented "Goethe and Hafiz" at the same conference.

Alan Dowty, professor emeritus of political science and Kellogg Institute fellow, taught at the Brandeis Summer Institute for Israel Studies, June 20-25; lectured at Earlham College, March 26; presented "A Question That Outweighs All Others: Israel and the Palestinians in Broad Perspective," was the organizer and chair of the panel on "Revisiting Israeli Relations: the Formative Era," and was a discussant on the panel on "Ilan Troen's *Imagining Zion*," all at the annual meeting of the Association for Israel Studies, Jerusalem, June 14.

Vittoria G. Hösle, the Kimball Professor of Arts and Letters, professor of German, concurrent professor of philosophy and of political science, and Nanovic Institute fellow, presented "Philosophy and Its Languages: A Philosopher's Reflection on the Rise of English as a Universal Academic Language" to the British-Italian Society, Jan. 12, Venice, Italy; "Philosophy and Its Literary Forms" on Feb. 12, Univ. of Aachen; "The Position of Hans Jonas in the History of German Thought" on Feb. 16, *Univ. Ca' Foscari di Venezia*; "German and American Universities Compared" on Mar. 3 at the German-American Institute in Heidelberg; "Plato's *Protreptikos*" on Mar. 5, *Istituto Italiano per gli Studi Filosofici Scuola di Heidelberg*; "Interpreting Plato," a four-day seminar, at the *Istituto Italiano per gli Studi Filosofici Napoli*; "Why Do We Laugh With and About Woody Allen?" on Mar. 20, in Ischia; "Globalization and U.S.-American Hegemony, Morality and Politics" on Mar. 24, *Univ. Degli Studi di Urbino*; "Carlo Bo: Subjectivity and Intersubjectivity in Hegel" on April 22 at the *Univ. Ca' Foscari Venezia*; "Globalization and U.S.-American Hegemony" on May 30, *Scuola di Alta Formazione Imperia*; and "Business Ethics," a four-day seminar, June 3-6, Northern Institute for Technology, Hamburg.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, presented "What Time-Resolved ESR Tells Us about the Radiolytic Oxidation of Amino Acids in Solution," written with P. Wisniewski, **Ian Carmichael**, professional specialist in the Radiation Laboratory, and **Richard W. Fessenden**, professor emeritus of chemistry and biochemistry, at the annual national meeting of the American Crystallographic Association, Chicago, July 19-22.

Jinesh C Jain, associate professional specialist in civil engineering and geological sciences, presented the invited talk "Challenges in Failure Analysis of Polymeric Surfaces" in the "International Surface Engineering Congress," Orlando, Aug. 2-4.

Richard Jensen, professor and chair of Economics and Econometrics, and C. Chukumba presented "University Invention, Entrepreneurship, and Start-Ups" at the National Bureau of Economic Research Summer Institute "Pre-Conference on Academic Science and Entrepreneurship: Dual Engines of Growth?" on July 23.

David Lodge, professor of biological sciences and Kroc Institute fellow, presented "Non-Indigenous Species: Forecasting the Ecology and Economics of Invasions" at the "Sino-USA Collaboration Project"; and presented a keynote speech at the "Beijing International Symposium on Biological Invasions" in China, May 22 through June 11.

Michael Lykoudis, dean of the School of Architecture, and **Carroll William Westfall**, the Montana Professor of Architecture, led a summer school session to China in June.

Julia Marvin, assistant professor in the Program of Liberal Studies, presented the invited plenary address, "Layamon and the Anglo-Norman Prose *Brut Chronicle*" at the "Fifth International Conference on Layamon's *Brut*," Brown Univ., Aug. 1-6; and "Havelok, Cuarran, Argentille, and Goldeburgh: The Transformations of the Havelok Story in the Prose *Brut Chronicles*," at the "39th International Congress on Medieval Studies," Western Michigan Univ., May 6-9.

Anthony N. Michel, the Freimann Professor of Engineering and McCloskey Dean of Engineering Emeritus, presented "Stability Analysis for Switched Systems with Continuous-Time and Discrete-Time Subsystems," written with G. Zhai, H. Lin, and K. Yaruda, at the "2004 American Control Conference," Boston, June 30 through July 3.

Peter J. Moody Jr., professor of political science, spoke on the topic of American government and politics at the Sinto/ChuSanRen Program for Young Business Managers from Japan, June 10.

Carmen J. Narvaez, research assistant professor of biological sciences, presented the poster "ERK Activation and Nuclear Translocation during Vitamin D Mediated Apoptosis in MCF-7 Breast Cancer Cells" at the "18th Meeting of the European Association of Cancer Research" in Innsbruck, Austria, July 3-6.

Alvin Plantinga, the O'Brien Professor of Philosophy, presented "Against Materialism" at Purdue Univ., Mar. 4; the McDonald Lectures "Science and Christian Belief: Surface Conflict, Deep Concord" and "Science and Naturalism: Surface Concord, Deep Conflict" at Harvard Divinity School, Mar. 10 and 11; the Geneva

Lectures "Against Materialism," "An Evolutionary Argument against Naturalism," and "Games Scientists Play" at the Univ. of Iowa, Mar. 26 and 27; "Atheism versus Evolution" and "Naturalism Defeated" at the Univ. of California, Santa Barbara, April 15 and 16; and "Evolutionary Psychology and Scripture Scholarship: More Alike than You Think" at Wheaton College, May 26.

Morris Pollard, the Coleman Director of the LOBUND Laboratory and professor emeritus of biological sciences, presented "Prevention of Refractory Prostate Cancer" at a conference at the National Cancer Institute, Bethesda, Md., June 27-29.

Mark W. Roche, the O'Shaughnessy Dean and Joyce Professor of German Language and Literature, presented "Why Literature Matters in the 21st Century" and "The Intellectual Appeal of Catholicism and the Idea of a Catholic University" at Sacred Heart Univ., Fairfield, Conn., July 12.

Robert Schmuhl, professor of American Studies and director of the Gallivan Program in Journalism, Ethics and Democracy, appeared on *Sky News* to talk about "The War in Iraq and the 2004 Presidential Election" in London on April 7; delivered an invited lecture "The 'Splendid Misery' of the American Presidency," at St. Edward's Univ., Austin, Tex., June 3; discussed "John Kerry and the 2004 Presidential Campaign" on *Extension 720* at WGN in Chicago on July 29; and "The Democratic Convention, 2004," on *Michiana Week* on WNIT-TV in Elkhart, July 30.

David W. Severson, professor of biological sciences, was a guest lecturer in the "Biology of Disease Vectors" course at Colorado State Univ., June 17-25.

James Sullivan, assistant professor of economics, presented "Trends in Consumption and Income for Poor Families" at the National Bureau of Economic Research, Summer Institute, Labor Studies Workshop, Aug. 2.

Yang Sun, visiting associate professor of physics, presented "Recent Progress of the Projected Shell Model" at the China Institute of Atomic Energy, Beijing, June 22.

Richard E. Taylor, associate professor of chemistry and biochemistry, presented "Toward the Total Synthesis of Peloruside A" at the "Natural Products Gordon Conference,"

Tilton, N.H.; and "Conformation-Activity Relationships in Complex Polyketides" at Millennium Pharmaceuticals, Cambridge, Mass., July 30.

Martin Tenniswood, the Coleman Professor of Life Sciences, presented "Clusterin Overexpression Confers Resistance to Cytotoxic Drugs and Triggers Metastatic Progression in Breast Cancer Cells" with L. Whyte, L. Flanagan, J. Dawson, A. Ryan, and J. Lopez; "Anti-Androgen Induced Cell Death in an Orthotopic Model of Prostate Cancer: Modulation by Stroma" with E. Chun Yu Lee, S. Mordan-McCombs, L. Flanagan, and K. Packman, and "Histone Deacetylase Inhibitors Induce Apoptosis and Cell Cycle Arrest in Prostate Cancer Cells through Stabilization of Acetylated-P53" with S. Roy and R. Jeffrey, each at the "18th Meeting of the European Association of Cancer Research" in Innsbruck, Austria, July 3–6.

Christopher J. Waller, the Schaefer Chair of Economics and Econometrics, gave the invited presentation "The Distribution of Money Balances and the Non-Neutrality of Money" at the "Models of Money II Conference," Univ. of Minnesota and the Federal Reserve Bank of Minneapolis, May 21–22; and "Money, Credit and Banking" at the Society for Economic Dynamics meetings in Florence Italy, July 1–3.

Publications

Asma Afsaruddin, associate professor of Arabic and Kroc Institute fellow, published the article "Islamic Biographical Dictionaries in the Period 1100–1400" in the *Encyclopedia of Women and Islamic Cultures* 1 (Leiden: E. J. Brill, 2004): 6–12; the entries "al-Bukhari," "Muslim b. al-Hajjaj," "al-Nasa'i," and "Ibn Maja" in *The Encyclopedia of Islam and the Muslim World* (New York: Macmillan Reference, 2004) vol. 1: 114, 336–337, and vol. 2: 496–502; a review essay titled "The Promise of Diversity" of *Dialogue of Civilizations: A New Peace Agenda for a New Millennium*, eds. M. Tehranian and D.W. Chappell, in *Global Dialogue* 5 (2003): 153–155; and reviews of D. Gordon Newby, *A Concise Encyclopedia of Islam* (Oxford: OneWorld Publications, 2002) and L.W. Adamec, *The A to Z of Islam*

(Lanham, Md.: Scarecrow Press, 2002) in the *Middle East Studies Association Bulletin* 38 (2004): 55–57.

Alexandra F. Corning, assistant professor of psychology, published "The Application of Survival Analysis to the Study of Psycho-Therapy Termination" with E.V. Malofeeva, *Journal of Counseling Psychology* 51, No. 3 (2004): 354–367.

Fred Dallmayr, the Dee Professor of Philosophy and Political Science, published "Social Identity and Creative Praxis" in *Identities: Local and Global*, K.C. Baral and P. Kar., eds. (Delhi: Pencraft International, 2003): 13–30; "But on a Quiet Day . . . A Tribute to Arundhati Roy" in *Reflections on Literature, Criticism and Theory*, S.P. Rath, K.C. Baral, and D.V. Rao, eds. (Delhi: Pencraft International, 2004): 231–247; "An Islamic Reformation? Some Afterthoughts" in *An Islamic Reformation?*, M. Browsers and C. Kurzman, eds. (Lanham, Md.: Lexington Books, 2004): 178–184; "The Underside of Modernity: Adorno, Heidegger, and Dussel" in *Constellations* 11, No. 1 (2004): 102–120; "Beyond Monologue: For a Comparative Political Theory" in *Perspectives on Politics* 2, No. 2 (2004): 249–257; and "Religion and Rationality: Habermas and the Early Frankfurt School" in *Constellations* 11, No. 2 (2004): 300–304.

Alan Dowty, professor emeritus of political science and Kellogg Institute fellow, published "Impact of the Aqsa Intifada on the Israeli-Palestinian Conflict," *Israel Studies Forum* 19 (Spring): 9–28; and "Hesitant Hegemon: The United States and the Israeli-Palestinian Impasse," *Journal of Military and Strategic Studies* 6 (Summer), www.jmss.org/index2.

Li Guo, assistant professor of Classics, published *Commerce, Culture, and Community in a Red Sea Port in the Thirteenth Century: The Arabic Documents from Quseir* (Leiden: E.J. Brill, 2004).

Maureen T. Hallinan, director of the Center for Research on Educational Opportunity and the White Professor of Sociology, published "Race Effects on Ability Group Outcomes" H.J. Walberg, A.J. Reynolds, and M.C. Wang (eds.); *Can Unlike Students Learn Together? Grade Retention, Tracking, and Grouping* (Greenwich, CT: Information Age Publishing, Inc., 2004): 115–140; and "A Necessary but Insufficient Solution: A

Review of Abigail & Stephan Thernstrom's *No Excuses: Closing the Racial Gap in Learning* in *The Journal of College and University Law* 30, No. 3 (New York: Simon & Schuster, 2003): 689–702.

Kevin Hart, professor of English and Nanovic Institute fellow, published a book of poems titled *Night Music* (with artwork by K. Headlam) (Melbourne: Lexicon House, 2004).

Jennifer A. Herdt, associate professor of theology, published "Justification's End: Aquinas and Wittgenstein on Creation and Wonder," in *Grammar and Grace: Reformulations of Aquinas and Wittgenstein*, ed. J. Stout and R. MacSwain (London: SCM Press, 2004): 232–252; "Affective Perfectionism: Community with God without Common Measure," in *New Essays on the History of Autonomy: A Collection Honoring J.B. Schneewind*, ed. N. Brender and L. Krasnoff (Cambridge: CUP, 2004): 30–60; and "The Endless Construction of Charity: On Milbank's *Critique of Political Economy*," *Journal of Religious Ethics* 32, No. 2 (2004): 301–324.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, published "EPR Detection of HNO₂ in the Radiolysis of Aqueous Nitrite and Quantum Chemical Calculation of Its Stability and Hyperfine Parameters" with D.M. Camaioni and **Ian Carmichael**, professional specialist in the Radiation Laboratory, *Journal of Physical Chemistry A* 108, No. 31 (2004): 6599–6604; and "Lifetimes and Modes of Decay of Sulfur-Centered Radical Zwitterions Containing Carboxylate and Phenyl Groups" with P. Filipiak, **Ian Carmichael**, A. Korzeniowska-Sobczuk, K. Bobrowski, and B. Marciniak, *ibid.*: 6503–6512.

Anthony N. Michel, the Freimann Professor Engineering and McCloskey Dean of Engineering Emeritus, published "Generalized Practical Stability Analysis of Discontinuous Dynamical Systems" with G. Zhai, *International Journal of Applied Mathematics and Computer Science* 14, No. 1 (2004): 5–12; "Improving Closed-Loop Stability of Second-Order LTI Systems by Hybrid Static Output" with G. Zhai, S. Takai, and X. Xu, *International Journal of Hybrid Systems* 3, Nos. 2 and 3 (June and Sept.): 237–250; and "Stability Analysis for Switched Systems with Continuous-Time and Discrete-

Time Subsystems" with G. Zhai, H. Lin, and K. Yaruda, *Proceedings of the 2004 American Control Conference* 3 (2004): 4555–4560.

Samuel Paolucci, professor of aerospace and mechanical engineering, published "Stability of Non-Boussinesq Convection via the Complex Ginzburg-Landau Model" with S.A. Suslov, *Fluid Dynamics Research* 35 (2004): 159–203.

Mark C. Pilkinton, professor of film, television, and theatre, published a review of C. Louis, ed., *Sussex: Records of Early English Drama* (Brepols & Toronto, 2000) in *Comparative Drama* 37, Nos. 3, 4 (fall/winter 2003–04): 423–428.

Robert Schmuhl, professor of American Studies and director of the Gallivan Program in Journalism, Ethics and Democracy, published "Thomas Mallon" in *Contemporary Literary Criticism* 172, J. Witalec, ed.

(Detroit: Gale, 2003): 202–203; "Dublin's a Stage for Joyce Bloomsday Centenary" in the *Chicago Tribune*, Section 8 (April 25): 4; and "Introduction to the Red Smith Lecture" in *From Copybook to Computer: What You Write On and How You Do It*, by F. McCourt (Kansas City: Universal Press Syndicate, 2004): 4–5.

Slavi Sevov, professor of chemistry and biochemistry, published "Synthesis, Characterization, and Electronic Structure of $\text{Ba}_5\text{In}_4\text{Bi}_5$: An Acentric and One Electron Deficient Phase" with S. Ponou, T.F. Fassler, G. Tobias, E. Canadell, and A. Cho, *Chemistry, A European Journal* 10 (2004): 3615–3621; and "Rationally Functionalized Deltahedral Zintl Ions: Synthesis and Characterization of $[\text{Ge}_9\text{-ER}_3]^{3-}$, $[\text{R}_3\text{E-Ge}_9\text{-ER}_3]^{2-}$, and $[\text{R}_3\text{E-Ge}_9\text{-Ge}_9\text{-ER}_3]^{4-}$ (E=Ge, Sn; R=Me,Ph)" with A. Ugrinov, *ibid.*: 3727–3733.

James Sullivan, assistant professor of economics, published "The Effects of Welfare and Tax Reform: The Material Well-Being of Single Mothers in the 1980s and 1990s" written with B. Meyer, in *Journal of Public Economics* 88 (July): 1387–1420.

Yang Sun, visiting associate professor of physics, published with D. Bucurescu, et al., "High-Spin States in 90Ru and the Projected Shell Model Description," *Physical Review C* 69 (2004): 064319.

Christopher J. Waller, the Schaefer Chair of Economics and Econometrics, published "Dollarization and Currency Exchange" in the *Journal of Monetary Economics* 51 (May): 671–689.

Administrators' Notes

Activities

Maureen Lafferty, staff psychologist/internship coordinator at the University Counseling Center, presented a training seminar to the Memorial Hospital Residency Program on "Gay, Lesbian and Bisexual Issues for Health Care Professionals" on July 12.

Valerie Staples, coordinator of Eating Disorder Services at the University Counseling Center, presented "Why Do You Need to Know about Eating Disorders?" to 30 members of the youth group at The First Brethren Church on June 16.

Publications

Cappy Gagnon, manager of special event security and student employment for the ND Security Police Dept., published *Notre Dame Baseball Greats* (Arcadia Press, 2004).

Valerie Staples, coordinator of Eating Disorder Services at the University Counseling Center, published "Waisted Time," an article on eating disorders, *St. Joseph County Woman Newspaper* (July/August).

Documentation

Faculty Board on Athletics

May 13, 2004

Members present: Prof. Fernand Dutile (Chair); Prof. Matthew Barrett; Prof. Harvey Bender; Prof. John Borkowski; Prof. Stephen Fallon; Prof. Umesh Garg; Mr. Patrick Holmes; Prof. Layna Mosley; (Rev.) Mark Poorman, C.S.C.; Prof. Donald Pope-Davis; Prof. John Weber.

Members absent: Mr. Bobby Brown; Dr. Matthew Cullinan; Prof. David Kirkner; Dr. Kevin White.

Observers present: Ms. Missy Conboy, of the Department of Athletics; and Ms. Kitty Hoye, recorder.

Guests present: Mr. James Fraleigh, Mr. John Heisler III, Mr. Michael Karwoski, and Mr. Thomas Nevala, all of the Department of Athletics;

1. Call to order and prayer: The Chair called the meeting to order at 4:50 p.m. Father Poorman led the group in prayer.

At this point, the Chair asked that the group observe a moment of silence for Father Edmund P. Joyce, C.S.C., executive vice-president at Notre Dame for thirty-five years and former chair of the Faculty Board on Athletics; and Mr. Michael Wadsworth, director of athletics at Notre Dame from 1995 to 2000. Father Joyce passed away on May 2, 2004, just days after Mr. Wadsworth, who died on April 28, 2004.

2. Minutes of previous meeting: Prof. Barrett moved that the minutes of the Board's April 26, 2004, meeting be approved; duly seconded, that motion passed unanimously.

3. Announcements: The Chair announced that, on the Board's behalf, he had approved the following team schedules: hockey (2004-05) and men's soccer (fall 2004). The Chair also approved the following captaincies for 2004-05: Brent D'Amico and Nick Chimeraakis (men's tennis); Georgia Healey and Kelli Barton (women's

swimming); and Cory McLean, Mike Walsh and Jason Paige (hockey). At this point, the Board ratified these decisions.

The Chair reported to the Board on two meetings he had attended. On April 15-17, the Chair attended a meeting of the Executive Committee of the Faculty Athletics Representatives Association (FARA), on which he serves as a representative of Division I-A. That committee discussed extensively the extent to which the faculty athletics representatives (FARs) of Division I-A should separate from the rest of FARA. At that meeting, the Chair argued against full separation; despite some athletics differences, Division I-A institutions share many academic problems with the other institutions of the NCAA. Moreover, total separation would risk identification with big-time athletics rather than with the academic interests of all institutions and all student-athletes. The Chair predicted that the discussion would result in the faculty athletics representatives aligning themselves according to the governance model of the NCAA itself. Under that model, Division I-A FARs would remain within the larger group, but in a federated mode.

On April 30, the Chair attended a meeting of the Athletics Affairs Committee of Notre Dame's Board of Trustees. At that meeting, Dr. White gave a report on developments affecting the Bowl Championship Series. Mr. Heisler reported to that committee on the challenges and prospects of football scheduling for Notre Dame.

4. Linking FBA website to that of Department of Athletics: Mr. Heisler spoke to the Board regarding the implications of linking the new website of the Board to that of Notre Dame athletics. Mr. Heisler noted that such a linkage could easily be done. He did want the Board to know, however, that the athletics website garners constant use by the media and the rest of the general public; the site receives millions of "hits" per month. The question becomes, he stressed, "How public do you

want your website to be?" Discussions of conference affiliation, coaching staffs, BCS developments and other issues could bring more attention to members of the Board than they might wish. Indeed, although our media guides already include almost everything one could want to know, members of the media could begin contacting those members. Prof. Mosley stated that the purpose underlying the proposed linkage related to informing the faculty and the rest of the University community about the Board and its activities. Although she recognized the problems alluded to by Mr. Heisler, she emphasized that the minutes posted on the site would not be the official minutes, but rather the "vetted" minutes, that is, minutes from which confidential matters have been excised. She found herself, therefore, indifferent to whether or not the athletics site offered a link to the Board's site. Prof. Garg saw no problem in linking to the athletics website; Notre Dame Report makes those minutes, including the names of all the Board's members, available. Since he already receives a large serving of "spam," what's a little more if it makes the Board more accessible? The Chair offered the view that ease of access does make a difference; for example, although criminal trials are public, televising those trials presents additional issues. What is the upside, he asked, of being so linked? Mr. Heisler: More people will have access and be curious. Prof. Pope-Davis observed that he was more interested in "having transparency" with the Notre Dame community than with the community at large. He would prefer a restricted kind of access, perhaps through something like "Irish-Link," which requires surmounting an initial hurdle, so to speak. The "reasonable transparency" he favored would provide access to University faculty and staff only. Prof. Barrett pointed out that there actually exist two athletics sites ".com" and ".edu." Yes, Ms. Conboy responded; a person can link to both or to just one. The ".edu" site is merely a cover page that in turn links to the ".com" site. The Chair offered the view that linking to the ".edu" site might present a happy compromise. That would, Mr. Heisler added, keep access more internal. Prof. Bender: Given the national climate of concern over the lack of integrity in intercollegiate athletics, wouldn't airing our

deliberations, which so often reflect our interest in academic integrity, be good? Wide access might provide a wonderful forum for training our audience. Prof. Fallon wondered whether it would make more sense to issue press releases setting out the Board's treatment of targeted issues. Prof. Garg strongly felt that the Board should proudly state what it does and thus show its seriousness and firmness. People generally should know how strongly we believe in the values we profess. In any event, anyone who really wants to get to us can. Father Poorman stated that he also was proud of the work of the Faculty Board and that he agreed with Prof. Fallon's perspective. Father Poorman noted that our primary fiduciary duty runs to the faculty. Mr. Heisler said that athletics does not occupy a very prominent position on the ".edu" site; that site provides a small footprint with links to other sites. Prof. Fallon moved that the Board website be linked to ".edu" and not to ".com." Prof. Mosley seconded that motion. That motion carried. The Chair thanked Mr. Heisler for his contribution to this discussion.

5. NCAA legislative review: Mr. Karwoski, assistant athletics director for compliance, reported to the Board on selected items of legislation recently adopted by the NCAA. Provision 2003-112, part of the NCAA's academic-reform package, establishes a program to penalize institutions that fail to demonstrate an appropriate commitment to academic progress, retention, and graduation of their student-athletes. The legislation will require the annual submission of data regarding academic progress, academic performance and graduation success. Provision 2003-113 establishes penalties for institutions or teams that fail to satisfy the standards of the academic-performance program. Penalties might include public warnings, financial-aid and recruiting limitations, preseason and postseason limits on competition, and even a reclassification of the institution's membership status. As part of the academic-reform package, Provision 2003-114 will prohibit institutions that become subject to academic penalties from re-awarding to another student-athlete for one year the athletics aid of a student-athlete who withdraws from the institution after failing to meet NCAA, conference or institutional academic-eligibility requirements. Provision 2003-69 revises the NCAA certification process conducted at each

institution every ten years. The provision trims and consolidates the process with a view to simplification. Provision 2003-139 permits institutions to cover all medical expenses for currently enrolled student-athletes during the entire year and regardless of whether the injury or illness relates to athletics activity. Provision 2002-83-A establishes a student-athlete's maximum financial-aid limit as the cost of attendance. Moreover, this provision allows a student-athlete to receive institutional athletics aid and outside financial aid based on athletics participation up to the value of a full grant-in-aid. Finally, the provision also allows student-athletes to receive other financial aid unrelated to athletics ability up to 1) the cost of attendance or 2) the value of a full-grant in-aid plus a federal Pell Grant, whichever is greater. Mr. Karwoski emphasized that the provision does not increase the amount of athletically related aid an institution may award. Provision 2003-15-1 permits institutions to provide athletically related aid to "at-risk" prospective student-athletes for summer school just prior to their initial full-time enrollment. (Before the enactment of this provision, only basketball players, both men and women, could be given financial aid prior to actual enrollment.) The NCAA's Board of Directors has sent this provision, whose effective date is May 2005, back "to committee" for development of a definition of "at-risk." Provision 2003-16 limits a multi-sport student-athlete's participation in "countable athletically related activities" to twenty hours per week and four hours per day, the same limits applicable to single-sport student-athletes. Provision 2003-17 limits, during the academic year, a student-athlete's participation in countable athletically related activities to two days per week outside the playing season. Contrary to the previously applicable provision, however, the proposal allows an institution to require student-athletes to participate in individual skill instruction for up to two hours within the limit of eight hours of athletically related activities per week. Finally, Provision 2003-67-1 allows athletics teams to take foreign tours, provided the tour occurs thirty days before the first permissible practice date or after the first scheduled contest in that sport. Mr. Karwoski also discussed several other provisions relating to eligibility, financial aid and recruiting. Mr. Karwoski then addressed questions raised by

the Board regarding these provisions. The Chair thanked Mr. Karwoski for his report.

6. Football-ticket pricing: At the Board's previous meeting, Prof. Weber had raised the issue of football-ticket pricing. He worried that the University had reached a "breaking point." In marketing terms, he continued, that point is called the "reaction threshold," the point at which a reaction gets triggered. To address the pricing issue more knowledgeably, the Board invited Mr. Fraleigh and Mr. Nevala to join the Board's discussion. Mr. Fraleigh began by listing five factors involved in pricing football tickets: 1) inclusivity (rather than sell as many season tickets as we can, we hold back 33,000 tickets for every game, a practice unique in collegiate football, thus providing game access to more people); 2) affordability (we strive to maintain that affordability despite the fact that this past year produced the fourth or fifth highest demand for tickets in our history); 3) discounted prices for faculty, staff and students (we currently provide a 50% discount to students and a 20% discount to faculty and staff); 4) consistency (we strive to remain congruent with the pricing policies of our peers); and 5) revenue goals (obviously, our pricing must take into account revenue needed by the University). Last year, Mr. Fraleigh emphasized, we contacted every Bowl Championship Series university in Division I to secure a "benchmark" for ticket pricing. A ticket's face value, it must be remembered, provides just one of the factors involved in this issue. Universities tend to use one or more of three basic models. Under the first model, tickets are available only to those who make a contribution of a specified minimum amount. Under the second model, individual games are differentially priced according to demand; at the University of Southern California, for example, tickets for the Notre Dame game cost more. Finally, under the third model, the "house is scaled" according to location; in other words, fifty-yard-line tickets cost more than end-zone tickets do. Notre Dame uses only the first of these approaches. At Notre Dame, it also should be recognized, minimum contributions do not go to the Department of Athletics. Prof. Weber observed that most people would perceive the gift as going to the athletics component of the University. Prof. Pope-Davis: Who sets the "projected revenue goals" for the

Department of Athletics? Father Poorman responded that the Officers Group ultimately sets that goal. Prof. Weber asked if that amount must come from the sale of football tickets alone? Mr. Nevala: No, only about 50% of the amount comes from football-ticket sales. Television revenues and, to some extent, basketball revenues account for the rest. We operate under what former director of athletics Michael Wadsworth called the "inverted pyramid" program. In other words, we always teeter on the success of our football program, which in effect funds all of our other athletics programs. The University expects the Department of Athletics, which operates as an "auxiliary enterprise," to produce \$12 million after operating expenses. Interestingly and importantly, we have had no significant complaints about the price levels of our football tickets. Principles of supply and demand are at work here. Indeed, our football tickets have been found being re-sold on the open market for \$350 each. Mr. Fraleigh did express his concern that we might be moving closer to that "breaking point." Obviously, grants-in-aid constitute one of our principal expenses and, in that context, we have been given a four-year window in which to add sixty new scholarships. We constantly seek revenue sources from which to fund these scholarships. Next year will be the fourth year of that window. Mr. Nevala alluded to other possible sources of revenue, the potential addition of a seventh home game on an annual basis and, of course, bowl games. Ms. Conboy pointed out that athletics generates some revenues, for example sales at the bookstore or by concession stands during football weekends, that go to other departments, not to the Department of Athletics. The University of Michigan will receive \$9.5 million in "seat fees" this fall. Mr. Fraleigh: Our minimum gift remains very low by national standards; one Division I-A institution, for example, requires a gift of at least \$1500 to obtain tickets. Prof. Borkowski asked about the role of the Faculty Board on Athletics in all of this. We have reached the point of receiving some complaints. Since the University is now embarking on a new fund-raising campaign, should we consider allocating some money from that campaign to "picking up the slack"? Is it reasonable to expect the Department of Athletics to generate a \$12 million profit each year? The

Chair responded that perhaps that expectation becomes desirable when it yields that much money for the academic side. Father Poorman said that the Officers Group has carefully monitored football-ticket prices and that he is satisfied that the Department of Athletics has been guided in its recommendations by thorough research and benchmarking. Prof. Borkowski: But the young faculty and young alumni seem to be left out. We need to assess this before it gets out of control. We cannot wait for a bowl game to generate the needed revenues. We must be realistic and not let the entire burden fall upon the Department of Athletics. Mr. Nevala pointed out that bowl games are not factored into the expectations. He added that the University must continue to pay debt service on the stadium and will for the next twenty years. Mr. Nevala noted that 50% of the surplus generated by the Department of Athletics goes to that debt service or to renewal projects such as repairs to the Rockne Memorial. The other 50% goes to financial aid. Prof. Fallon indicated his concern with regard to our ticket policy's effect on families. For example, he pointed out, two faculty members married to each other but without children may purchase four season tickets while a faculty member with six children may buy only two. Should we find a way to address this problem? Prof. Pope-Davis worried that our football-ticket pricing increasingly makes attendance at games an elitist enterprise. Won't we continue to raise the amount it costs to attend? More specifically, will football-ticket prices go up next year? Yes, Ms. Conboy responded, \$3 per ticket, which is not as great a rise as last year's. Prof. Mosley pointed out that some of the money generated by the demand for Notre Dame tickets goes to scalpers and not to the University. Father Poorman noted that a good example of that was the disproportionate number of University of Nebraska fans at our home game against Nebraska in 2000; that was an embarrassment. Recognizing that this issue will continue to raise concerns, the Chair thanked both Mr. Fraleigh and Mr. Nevala for visiting with the Board.

7. Annual report on profile of Notre Dame student-athlete: Mr. Holmes, as director of the Office of Academic Services for Student-Athletes, distributed to members of the Board copies of a document entitled

May 2004 Profile of Student-Athletes: 2003–2004 Academic Year. This snapshot, Mr. Holmes stressed, presents a realistic picture of a constantly changing situation. Although the document comprises thirty pages, the summary sheet highlights major points. Currently 663 student-athletes participate on 26 varsity teams. This number represents 8% of Notre Dame's undergraduate population. Women represent 41% of Notre Dame's student-athlete population, as opposed to 47% of the total undergraduate population. Women represent 44% of student-athletes receiving grants-in-aid and, as such, receive 42% of grant-in-aid funding. Members of minority groups represent 17% of both the Notre Dame student-athlete population and Notre Dame's total undergraduate population. African-Americans represent 12% of Notre Dame's student-athlete population, but only 4% of Notre Dame's undergraduate population. African-American male student-athletes represent 42% of African-American male undergraduates at Notre Dame. Sixty-seven percent of student-athletes here are Roman Catholic, as opposed to 84% of all undergraduates. Fifty-three percent of Notre Dame undergraduates are enrolled in the College of Arts and Letters or in the Mendoza College of Business, as opposed to 60% of Notre Dame's student-athletes. Conversely, 21% of our undergraduates are enrolled in Engineering or Science, as opposed to 11% of our student-athletes. The most popular majors for Notre Dame undergraduates: Political Science (7%), Finance (6%), Science Pre-Professional (6%), Psychology (5%) and Marketing (4%). The most popular majors for student-athletes are: Marketing (9%), Finance (8%), Psychology (7%), Political Science (6%) and Sociology (5%). The most popular majors for male student-athletes are Finance, Marketing, Management, Political Science and Sociology. For female student-athletes, the most popular majors are Psychology, Anthropology, Marketing, Political Science and English. The average SAT for all students is about 1350; the average SAT for all student-athletes is 1218 ' 1205 for men and 1236 for women. The average team SAT for all grant-in-aid student-athletes is 1166 — 1145 for men and 1192 for women. The average University cumulative GPA for all students was 3.333 after the Fall 2003

semester; for all student-athletes, that number was 3.045 and for all grant-in-aid student-athletes 2.954. Eighty-nine percent of grant-in-aid student-athletes who enrolled in Fall 1997 have graduated, a percentage consistent with that of the previous three classes. The supplemental graduation rate, which charts the graduation percentage of those student-athletes who have exhausted their eligibility at the University during a ten-year period (1988 through 1997), stands at 99%. [Please note that all percentages have been rounded for simplicity's sake.] Mr. Holmes pointed out that not many student-athletes find themselves in the architecture program because of the requirement that students in that discipline spend their third year in Rome. Prof. Bender wondered at the extent to which women seem to do better on the same credentials. Prof. Mosley reported that SATs might be a poor predictor for women. Indeed, Mr. Holmes added, the first year at Notre Dame provides a better predictor than do high-school GPAs or standardized tests. Prof. Mosley noted the disproportionate presence of student-athletes in the Mendoza College of Business (29.3% versus 19.8% for all students). Mr. Holmes: We often talk about that with our student-athletes. Many feel compelled to enroll in the College of Business, in part due to pressure from home. At this point the Chair thanked Mr. Holmes for his extensive report.

8. Thanks and good-byes (tentative and otherwise): The Chair extended, on behalf of the Board, deep thanks to those members of the Board whose terms end this summer — Prof. Bender, who has been elected at large to a second three-year term; Mr. Brown, whose one-year term ends this summer but who is eligible for reappointment; Prof. Borkowski and Prof. Barrett, both of whom are completing their second term and are therefore ineligible for re-election; and Prof. Mosley, who, while eligible for reappointment, will move to the University of North Carolina this fall. The Chair extended special thanks to Prof. Barrett for his extensive aid both to the Board and to the Chair. The Board also expressed its thanks to the Recorder, Ms. Hoyer, and to its Chair.

The Chair adjourned the meeting at 6:45 p.m.

2004–2005 Publication Schedule for *Notre Dame Report* Vol. 34

- No. 1
Deadline: Wednesday, Aug. 11
Publication Date: Friday, Aug. 27
- No. 2
Deadline: Wednesday, Aug. 25
Publication Date: Friday, Sept. 10
- No. 3
Deadline: Wednesday, Sept. 8
Publication Date: Friday, Sept. 24
- No. 4
Publication Date: Friday, Oct. 15
- No. 5
Deadline: Wednesday, Oct. 13
Publication Date: Friday, Oct. 29
- No. 6
Deadline: Wednesday, Oct. 27
Publication Date: Friday, Nov. 12
- No. 7
Deadline: Wednesday, Nov. 10
Publication Date: Friday, Nov. 26
- No. 8
Deadline: Wednesday, Nov. 24
Publication Date: Friday, Dec. 10
- No. 9
Deadline: Wednesday, Jan. 5, 2005
Publication Date: Friday, Jan. 21
- No. 10
Deadline: Wednesday, Jan. 19
Publication Date: Friday, Feb. 4
- No. 11
Deadline: Wednesday, Feb. 2
Publication Date: Friday, Feb. 18
- No. 12
Deadline: Wednesday, Feb. 16
Publication Date: Friday, March 4
- No. 13
Deadline: Wednesday, March 2
Publication Date: Friday, March 18
- No. 14
Deadline: Wednesday, March 16
Publication Date: Friday, April 1
- No. 15
Deadline: Wednesday, March 30
Publication Date: Friday, April 15

- No. 16
Deadline: Wednesday, April 13
Publication Date: Friday, April 19
- No. 17
Deadline: Wednesday, April 27
Publication Date: Friday, May 13
- No. 18
Deadline: Wednesday, May 18
Publication Date: Friday, June 3
- No. 19
Deadline: Wednesday, June 8
Publication Date: Friday, June 24
- No. 20
Deadline: Wednesday, July 6
Publication Date: Friday, July 22
- Index
Publication Date: Friday, Aug. 19

Notre Dame Report Submission Information

Faculty (all classes: teaching research faculty, special professional faculty, and librarians and special research faculty) and administrators may submit information to be printed in *Notre Dame Report* via e-mail to ndreport.1@nd.edu. Receipt of information will be acknowledged as soon as edited for placement in an upcoming issue. **Please be sure to indicate ND faculty or administrators' names with an asterisk after each one.**

Faculty and Administrators' Notes: Appointments include only those University appointments such as deans, department heads, heads of committees, and administrative professionals. This does not include appointments to faculty positions.

HONORS is composed of non-University appointments in one's field and outright honors. It does not include fellowships, grants, etc. Any grants not published in the Awards Received section of the *Report* will be noted in Activities. Information required for each honor submitted includes: name, rank or title, department, honor, name of organization bestowing honor, city, state, and date (if applicable).

ACTIVITIES must be of a professional and public nature (such as invited lectures and papers read) and should be related to one's

work at the University. Lectures given on campus are only acceptable if they are of a special nature and/or if they are presented to a broader audience than the Notre Dame community. Merely attending a meeting is unacceptable. Information required for each activity submitted includes: name, rank or title, department, title of presentation, title of conference or institution, city, state, and date. No activities are printed ahead of the date, only after the fact. Activities will not be reported if over six months out of date.

PUBLICATIONS of books, articles in journals, proceedings, or books, as well as reviews, are published in *Notre Dame Report*. Information required for a publication in a book or journal includes: name, rank or title, department (for all Notre Dame authors), title of article, name of journal (volume number, issue number, date) or name of book (author, place of publication, publisher, date), and page numbers. Information required for a published or edited book includes: name, rank or title, department (for all Notre Dame authors), book title, place of publication, publisher, date, and total number of pages. Publications will not be reported if over six months past publication date.

Documentation: Meeting minutes from the Graduate Council, Academic Council, University Committee on Libraries, Committee on Research and Sponsored Programs, Faculty Board on Athletics, and University Committee on Women Faculty and Students are printed in *Notre Dame Report*. These minutes should be sent in electronic form to ndreport.1@nd.edu.

Research

Awards and Proposal Summary

06/01/2004 to 06/30/2004

Awards Received

Category	No.	Amount
Research	39	\$9,500,583
Facilities and Equipment	1	\$349
Instructional Programs	3	\$1,076,707
Total:	43	\$10,577,639

Proposals Submitted

Category	No.	Amount
Research	44	\$18,491,501
Instructional Programs	4	\$1,410,392
Total:	48	\$19,901,893

June 2004 Cumulative summary

Awards Received

Category	07.01.2001 - 06.30.2002		07.01.2002 - 06.30.2003		07.01.2003 - 06.30.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	437	\$53,246,380	389	\$69,047,363	410	\$70,630,050
Facilities and Equipment					1	\$349
Instructional Programs	13	\$1,429,475	10	\$1,333,710	12	\$2,307,650
Other Programs					1	\$62,500
Service Programs						
Total:	450	\$54,675,855	399	\$70,381,073	424	\$73,000,549

Proposals Submitted

Category	07.01.2001 - 06.30.2002		07.01.2002 - 06.30.2003		07.01.2003 - 06.30.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	650	\$211,620,924	580	\$162,589,781	733	\$272,409,557
Facilities and Equipment						
Instructional Programs	13	\$4,846,010	10	\$3,361,578	12	\$3,826,762
Other Programs						
Service Programs						
Total:	663	\$216,466,934	590	\$165,951,359	745	\$276,236,319

All awards and proposals are credited in the Monthly Summaries report to the academic department of the primary principal investigator. The Office of Research proposal routing form asks principal investigators to indicate at the time the proposal is submitted which unit will be responsible for the conduct of the project. If that unit is a center or institute the proposal/award is included in the Centers/Institutes report that is a subset of the Monthly Summaries report.

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at research@nd.edu or 631-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

Awards received during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C.	Plasma Flow Control for Munition Maneuvering	Corporate Funding	\$25,000	10
Corke, Thomas C.	Plasma Wing for Hingeless Flight Control of Air Vehicles	Corporate Funding	\$269,422	24
Corke, Thomas C. Jumper, Eric J. (Center or Institute)	Computational and Development of Plasma-Based Actuators for Aerodynamic Applications	U.S. Air Force Academy	\$69,750	12
Jumper, Eric J.	Meas 04 & 05	Corporate Funding	\$59,981	6
Department or Office:	Anthropology			
Schurr, Mark R.	Comparative Surveys of Menominee Village Locations in Marshall County, Indiana	Indiana Department of Natural Resources	\$31,975	14
Department or Office:	Art, Art History and Design			
Rhodes, Robin F.	The Greek Stone Architecture at Corinth	Private Funding	\$5,000	24
Department or Office:	Biological Sciences			
Collins, Frank H.	Development of Novel Resistance Management Strategies	Liverpool School of Tropical Medicine	\$365,890	54
Collins, Frank H. (Center or Institute)	VectorBase: A Bioinformatics Resource Center for Invertebrate Vectors of Human Pathogens	National Institutes of Health	\$3,696,694	60
Franci, Karen E. (Center or Institute)	The Status of The Water Shrew (Sorex palustris) in the Michigan Upper Peninsula	U.S. Forest Service	\$5,825	13

Awards received during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Franci, Karen E. (Center or Institute)	Bat Activity at Woodland Vernal Pools	U.S. Forest Service	\$2,800	13
Olson, Kenneth R. (Center or Institute)	Physiology of Trout Natriuretic Peptides	I.U. School Medicine	\$93,311	25
Severson, David W.	Molecular Genetics of Dengue Resistance in Mosquitoes	National Institutes of Health	\$677,633	60
Department or Office:	Chemistry and Biochemistry			
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	\$375,000	10
Clark, Patricia L.	CAREER: Conformations of Beta-Sheet Folding Intermediates: The Discrimination Between Productive Folding and Aggregation	National Science Foundation	\$13,500	60
Jacobs, Dennis C	MURI Center for Materials Chemistry in the Space Environment	University of Chicago	\$87,866	43
Lieberman, Marya Lent, Craig S. Huber, Paul W. (Center or Institute)	NER: Hierarchial Self-Assembly of DNA Tiles	National Science Foundation	\$6,000	24
Mobashery, Shahriar	Resistance to Beta-Lactam Antibodies	National Institutes of Health	\$330,288	23
Department or Office:	Civil Engineering and Geological Sciences			
Neal, Clive R. Jain, Jinesh C.	Phytoremediation of Phosphorus Contaminated Soils	Western Kentucky University	\$5,920	14

Awards received during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Electrical Engineering				
Fay, Patrick J Snider, Gregory L (Center or Institute)	Self-Aligned and Self-Limited Quantum Dot Nanoswitches	Ohio State University	\$160,474	48
Seabaugh, Alan C.	Design/Demonstration of N(+) p(+) Esak: Tunnel Diodes (Dana Wheeler Fellowship)	National Institute Standards & Technology	\$25,717	12
Snider, Gregory L. (Center or Institute)	Fabrication of Nanoscaled Systems	University of Virginia	\$25,860	36
Stevenson, Robert L.	Advanced Digital Video Compression: New Technologies for Security Applications	Purdue University	\$90,487	24
Department or Office: Mathematics				
Alber, Mark S.	Testing a Developmental Mechanism by an Integrated Empirical-Computation: Approach	New York Medical College	\$30,000	12
Stolz, Stephan A	Curvature and Topology	National Science Foundation	\$72,860	60
Department or Office: Physics				
Barabasi, Albert-Laszlo (Center or Institute)	Collaboration Agreement Between the University of Notre Dame and Retevision Movils (Amena)	Corporate Funding	\$364,860	36
Bennett, David P. (Center or Institute)	A Search for Extra-Solar Planets with a Global Microlensing Follow-up Network	National Aeronautics and Space Administration	\$150,000	36

Awards received during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Furdyna, Jacek K Bunker, Bruce A Ruggiero, Steven T Dobrowolska-Furdyna, Malgorzat	Spintronics and Spin-Photonics in Ferromagnetic InAs/GaSb-Based Heterostructures	Research Foundation of SUNY	\$258,950	54
Ruchti, Randal C. Garg, Umesh	Physics REU Program at the University of Notre Dame	National Science Foundation	\$178,000	60
Janko, Boldizsar	Fluorescent Single-Molecules Linked to Single-Electron Devices	Argonne National Laboratory	\$10,000	12
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin Afanasjevs, Anatolijs (Center or Institute)	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$138,000	36
Rettig, Terrence W. (Center or Institute)	A Study of Volatile Molecules in the Inner Preplanetary Disks Around Herbig AeBe Stars	National Science Foundation	\$103,623	36
Department or Office: Political Science				
Campbell, David E.	Schools and Civic Norms	Private funding	\$15,000	3
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Undergraduate International Studies and Foreign Language Program	Department of Education	\$80,000	24

Awards received during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Borkowski, John G McKenna, James J. Maxwell, Scott E. Boker, Steven M. LeClere, Felicia B. (Center or Institute)	Predicting and Preventing Neglect in Teen Mothers	National Institutes of Health	\$1,318,805	36
Borkowski, John Gregg Maxwell, Scott E. Whitman, Thomas Lee (Center or Institute)	Precursors of Retardation in Children Health with Teen Mothers	National Institutes of Health	\$249,404	24
Borkowski, John Gregg Whitman, Thomas Lee	Research Training in Mental Retardation	National Institutes of Health	\$30,216	21
Department or Office: The Graduate School (Other)				
Diffley, Peter	Vawter CBA Scholarship for Brad Milunski for AY2004-05	Private funding	\$12,500	60
Department or Office: Theology				
Groody, Daniel G. (Center or Institute)	"Endless Exodus"	Private Funding	\$49,000	9
Department or Office: University Libraries				
Brach, Carol A.	Geographic Information Systems Resource Center at the Notre Dame Engineering Library	Indiana State Library	\$14,972	14

Awards for Facilities and Equipment

Department or Office: Chemical and Biomolecular Engineering				
Ostafin, Agnes E.	Used Energy Related Equipment Grant	Department of Energy	\$349	12

Awards received during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Instructional Programs</u>				
Department or Office: Educational Talent Search				
Vann-Hamilton, Joy J	Talent Search	Department of Education	\$401,643	24
Coleman, Myrtie M	Program			
Outlaw, Warren G				
(Center or Institute)				
 Department or Office: Psychology				
Pope-Davis, Donald B.	McNair	Department of Education	\$237,796	48
	Post-Baccalaureate			
	Achievement			
 Department or Office: Upward Bound				
Coates, Alyssia J.	Upward Bound	Department of Education	\$437,268	48
	Program			

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C. Morris, Scott C.	IGV Flow Vector Control Using Plasma Actuators	Corporate Funding	\$354,736	36
Corke, Thomas C. Morris, Scott C.	Plasma Sensors and Actuators for Feedback Control in a Transonic Compressor with Transient Disturbances	National Aeronautics and Space Administration	\$659,234	36
Jumper, Eric J. Corke, Thomas C.	Computational and Development of Plasma-Based Actuators for Aerodynamic Applications	U.S. Air Force Academy	\$69,750	12
Renaud, John E.	A Variable Fidelity Optimization Framework for Autonomous Underwater Vehicle Design	Department of Navy	\$294,692	36
Roeder, Ryan K. Niebur, Glen L.	Staining Technique for Micro-CT Imaging of Microdamage	National Institutes of Health	\$111,375	12
Department or Office:	Biological Sciences			
Adams, John H.	Immunological Characterization of the P.vivax DBP	National Institutes of Health	\$481,947	12
Collins, Frank H.	Genetic Control of Malaria in Africa	National Institutes of Health	\$5,760,275	12

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Hager, Kristin M.	Exocytosis and Invasion Mechanisms in Toxoplasma	National Institutes of Health	\$459,248	12
O'Tousa, Joseph E.	Genetic Analysis of Retinal Degeneration	National Institutes of Health	\$297,000	12
Romero-Severson, Jeanne	Resistance to Phytophthora Ramorum in Red Oaks: Systemic Screening and QTL mapping	Department of Agriculture	\$491,088	36
Suckow, Mark A.	Coagulation Initiation in Factor VII Deficient Mice	I.U. School Medicine	\$97,964	12
Suckow, Mark A.	Coagulation Initiation in Factor VII Deficient Mice	I.U. School Medicine	\$81,960	12
Department or Office:	Chemical and Biomolecular Engineering			
Maginn, Edward J.	Dual Function Ionic Liquid Lubricant/Hydraulic Fluid for Submarine Steam Turbines and Gears	Corporate Funding	\$10,000	6
Ostafin, Agnes E.	Making Chemiluminescence More Versatile	National Institutes of Health	\$200,000	12
Ostafin, Agnes E.	Transport of Calcium Phosphate Nanoparticles in Bone for Targeted Drug Delivery	National Institutes of Health	\$200,000	12

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Chemistry and Biochemistry				
Castellino, Francis J.	Hemostasis-Related Genes in Atherosclerosis	National Institutes of Health	\$375,000	12
Goodson, Holly V.	Interactions Between CLIP-170 and Tubulin	National Institutes of Health	\$262,500	12
Miller, Marvin J. Schorey, Jeffrey S. Mobashery, Shahriar	Specific Targeting and Active Delivery of Novel Antibiotics to Mycobacterium Tuberculosis	National Institutes of Health	\$380,497	12
Miller, Marvin J. Henderson, Kenneth W. Sevov, Slavi C. Smith, Bradley D. Fehlner, Thomas P.	Acquisition of a Single-Crystal X-Ray Diffractometer with a CCD Area Detector and a High-Quality Optical Microscope	National Science Foundation	\$211,139	36
Mobashery, Shahriar	Penicillin-Binding Proteins, Mechanisms and Inhibition	National Institutes of Health	\$337,500	12
Peng, Jeffrey W.	Flexibility Activity Relationships in Human Pin 1	National Institutes of Health	\$296,000	12
Department or Office: Civil Engineering and Geological Sciences				
Salvati, Lynn A. Vichit-Vadakan, Wilasa	Investigation of Factors Affecting the Improvement of Clay with Ground Blast-Furnace Slag	Department of Transportation	\$39,885	30

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Computer Science & Engineering			
Scheutz, Matthias J.	An Integrated Connectionist Artificial Rat	Norwegian University of Science & Technology	\$247,173	24
Department or Office:	Electrical Engineering			
Antsaklis, Panos J.	STTR Phase I: Routing Protocols for Wireless Sensor-Actuator Networks	Corporate Funding	\$0	12
Lent, Craig S.	Thermodynamics of Quantum-dot Cellular Automata	Corporate Funding	\$60,148	12
Seabaugh, Alan C.	Interband Tunneling Transistors	Corporate Funding	\$168,468	12
Seabaugh, Alan C.	Silicon MOS Transistors and Circuits Under Uniaxial Strain	Corporate Funding	\$6,077	2
Snider, Gregory L.	Combining Nanoelectronics and CMOS	Corporate Funding	\$64,725	12
Tabuada, Paulo	Automated Synthesis of Embedded Control Software	National Science Foundation	\$419,898	60
Department or Office:	English			
Sniegowski, Donald C.	An Edition of the Letters and Other Manuscripts of Mary Phillippa Meadows	Private Foundation	\$48,000	12

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Carlson, Laura A.	The Formulation of Spatial Descriptions	National Science Foundation	\$574,585	36
Cummings, E. M. Darby, John Maxwell, Scott E.	Children and Political Violence in Northern Ireland	National Institutes of Health	\$363,658	12
Cummings, E. M. Maxwell, Scott E.	Marital Conflict Resolution and Child Development	National Institutes of Health	\$639,247	12
Merluzzi, Thomas V. Pope-Davis, Donald B.	Cultural Analysis of the Cancer Behavior Inventory	National Institutes of Health	\$187,500	12
Narvaez, Darcia F. Power, Clark	Character in Community	South Bend Community School Corporation	\$1,068,985	48
Department or Office:	Theology			
Groody, Daniel G.	Dying to Live & Strangers No Longer	Private Foundation	\$162,750	12
Groody, Daniel G.	Migration and Theology: An International Conference	Private Foundation	\$98,100	12

Proposals for Instructional Programs

Department or Office:	Center for Social Concerns			
Pettit, Rebecca T.	National Youth Sports Program	Private Foundation	\$64,539	12

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Chemistry and Biochemistry			
Velasco, Jennifer D. Morris, Karen M.	Project ASTOUND (Area Science Teaching Opportunities-University of Notre Dame)	National Science Foundation	\$1,224,272	36
Department or Office:	Electrical Engineering			
Sauer, Ken D. Incropera, Frank P.	Ethics and Changing Energy Markets Conference	National Science Foundation	\$24,700	12
Department or Office:	Natl. Cons. for Grad. Degrees for Minorities, Engr & Science			
Lucero, Cecilia	Developing Minority Ph.D. Graduates in Genomics Research	National Institutes of Health	\$96,881	12

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 06/30/2004

Department or Office	No.	Amount
Center for Applied Mathematics	3	\$2,282,575
Center for Astrophysics	16	\$3,340,588
Center for Children and Families	7	\$5,954,241
Center for Civil and Human Rights	1	\$494,047
Center for Environmental Science and Technology	1	\$1,831,352
Center for Flow Physics and Control	28	\$9,457,067
Center for Microfluidics and Medical Diagnostics	3	\$3,458,845
Center for Molecularly Engineered Materials	10	\$2,510,961
Center for Social Concerns	1	\$64,539
Center for Transgene Research	9	\$2,615,567
Center for Tropical Disease Research & Training	27	\$21,608,695
Center for Zebrafish Research	6	\$1,858,930
Chemical and Biomolecular Engineering	1	\$75,250
Cushwa Center for American Catholicism	2	\$237,832
Environmental Molecular Science Institute	1	\$120,000
Environmental Research Center	6	\$1,208,780
Freimann Life Science Center	9	\$2,936,271
Institute for Church Life	3	\$160,709
Institute for Educational Initiatives	1	\$150,007
Institute for Latino Studies	20	\$2,713,920
Interdisciplinary Center for the Study of Biocomplexity	2	\$2,710,010
John A. Kaneb Center for Teaching and Learning	1	\$1,444,210
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	9	\$506,727
Laboratory for Social Research	2	\$1,122,638
Lobund Laboratory	3	\$466,135
Mendelson Center for Sports, Character, & Community	2	\$634,186
Nano Science and Technology Center	38	\$39,197,381
Nuclear Structure Laboratory	2	\$72,130
Radiation Laboratory	4	\$17,795,790
Walther Cancer Institute Chair I	3	\$745,004
Walther Cancer Research Center	8	\$2,989,404
Total:	230	\$131,063,529

Awards received during the period Jun-01-2004 to Jun-30-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office: Center for Astrophysics				
Bennett, David P. (Center or Institute)	A Search for Extra-Solar Planets with a Global Microlensing Follow-up Network	National Aeronautics and Space Administration	\$150,000	005989-001
Rettig, Terrence W. (Center or Institute)	A Study of Volatile Molecules in the Inner Preplanetary Disks Around Herbig AeBe Stars	National Science Foundation	\$103,623	005765-001
Mathews, Grant James Frauendorf, Stefan G Weber, Fridolin Afanasjevs, Anatolijs (Center or Institute)	Nuclear Properties at Extreme Density, Temperature and Spin	Department of Energy	\$138,000	004518-001
Department or Office: Center for Children and Families				
Borkowski, John G McKenna, James J. Maxwell, Scott E. Boker, Steven M. LeClere, Felicia B. (Center or Institute)	Predicting and Preventing Neglect in Teen Mothers	National Institutes of Health	\$1,318,805	005611-001
Borkowski, John Gregg Maxwell, Scott E. Whitman, Thomas Lee (Center or Institute)	Precursors of Retardation in Children with Teen Mothers	National Institutes of Health	\$249,404	000484-001
Department or Office: Center for Flow Physics and Control				
Corke, Thomas C. Jumper, Eric J. (Center or Institute)	Computational and Development of Plasma-Based Actuators for Aerodynamic Applications	U.S. Air Force Academy	\$69,750	006286-001

Awards received during the period Jun-01-2004 to Jun-30-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Center for Transgene Research				
Castellino, Francis (Center or Institute)	Blood Coagulation Protein-Metal Ion-Lipid Interactions	National Institutes of Health	\$375,000	005142-001
Department or Office: Center for Tropical Disease Research & Training				
Collins, Frank H. (Center or Institute)	VectorBase: A Bioinformatics Resource Center for Invertebrate Vectors of Human Pathogens	National Institutes of Health	\$3,696,694	006299-001
Department or Office: Environmental Research Center				
Franch, Karen E. (Center or Institute)	Bat Activity at Woodland Vernal Pools	U.S. Forest Service	\$2,800	006273-001
Franch, Karen E. (Center or Institute)	The Status of The Water Shrew (Sorex palustris) in the Michigan Upper Peninsula	U.S. Forest Service	\$5,825	006272-001
Department or Office: Institute for Latino Studies				
Groody, Daniel G. (Center or Institute)	"Endless Exodus"	Private Funding	\$49,000	006277-001
Department or Office: Interdisciplinary Center for the Study of Biocomplexity				
Barabasi, Albert-Laszlo (Center or Institute)	Collaboration Agreement Between the University of Notre Dame and Retevision Movils (Amena)	Corporate Funding	\$364,860	006281-001
Department or Office: Kellogg Institute for International Studies				
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Undergraduate International Studies and Foreign Language Program	Department of Education	\$80,000	006104-001

Awards received during the period Jun-01-2004 to Jun-30-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Nano Science and Technology Center				
Snider, Gregory L. (Center or Institute)	Fabrication of Nanoscaled Systems	University of Virginia	\$25,860	005982-001
Lieberman, Marya Lent, Craig S. Huber, Paul W. (Center or Institute)	NER: Hierarchial Self-Assembly of DNA Tiles	National Science Foundation	\$6,000	006100-001
Fay, Patrick J Snider, Gregory L (Center or Institute)	Self-Aligned and Self-Limited Quantum Dot Nanoswitches	Ohio State University	\$160,474	005607-001
Department or Office: South Bend Center for Medical Education				
Olson, Kenneth R. (Center or Institute)	Physiology of Trout Natriuretic Peptides	I.U. School Medicine	\$93,311	005964-001

Awards for Instructional Programs

Department or Office: TRIO Programs				
Vann-Hamilton, Joy J Coleman, Myrtie M Outlaw, Warren G (Center or Institute)	Talent Search Program	Department of Education	\$401,643	005879-001

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office: Center for Astrophysics				
Rettig, Terrence W.	Structure of Exoplanetary Atmospheres	National Aeronautics and Space Administration	\$164,903	04120719
Department or Office: Center for Children and Families				
Borkowski, John G.	Preventing Child Neglect in High-Risk Mothers	National Institutes of Health	\$1,629,988	04120744
Maxwell, Scott E.				
LeClere, Felicia B.				
Cummings, E. M.	Marital Conflict Resolution and Child Development	National Institutes of Health	\$639,247	04120749
Maxwell, Scott E.				
Department or Office: Center for Flow Physics and Control				
Jumper, Eric J.	Computational and Development of Plasma-Based Actuators for Aerodynamic Applications	U.S. Air Force Academy	\$69,750	04120728
Corke, Thomas C.				
Corke, Thomas C.	IGV Flow Vector Control Using Plasma Actuators	Corporate Funding	\$354,736	04120741
Morris, Scott C.				
Corke, Thomas C.	Plasma Sensors and Actuators for Feedback Control in a Transonic Compressor with Transient Disturbances	National Aeronautics and Space Administration	\$659,234	04120742
Morris, Scott C.				
Renaud, John E.	A Variable Fidelity Optimization Framework for Autonomous Underwater Vehicle Design	Department of Navy	\$294,692	04120750

Proposals submitted during the period Jun-01-2004 to Jun-30-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Molecularly Engineered Materials			
Ostafin, Agnes E.	Transport of Calcium Phosphate Nanoparticles in Bone for Targeted Drug Delivery	National Institutes of Health	\$200,000	04120710
Ostafin, Agnes E.	Making Chemiluminescence More Versatile	National Institutes of Health	\$200,000	04120711
Department or Office:	Center for Transgene Research			
Castellino, Francis J.	Hemostasis-Related Genes in Atherosclerosis	National Institutes of Health	\$375,000	04120753
Department or Office:	Center for Tropical Disease Research & Training			
Hager, Kristin M.	Exocytosis and Invasion Mechanisms in Toxoplasma	National Institutes of Health	\$459,248	04120707
Collins, Frank H.	Genetic Control of Malaria in Africa	National Institutes of Health	\$5,760,275	04120736
Adams, John H.	Immunological Characterization of the P.vivax DBP	National Institutes of Health	\$481,947	04120709
Department or Office:	Freimann Life Science Center			
Suckow, Mark A.	Coagulation Initiation in Factor VII Deficient Mice	I.U. School Medicine	\$81,960	04120738
Suckow, Mark A.	Coagulation Initiation in Factor VII Deficient Mice	I.U. School Medicine	\$97,964	04120739

Proposals submitted during the period Jun-01-2004 to Jun-30-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Institute for Latino Studies			
Groody, Daniel G.	Migration and Theology: An International Conference	Private Funding	\$98,100	04120713
Groody, Daniel G.	Dying to Live & Strangers No Longer	Private Funding	\$162,750	04120714
Department or Office:	Nano Science and Technology Center			
Snider, Gregory L.	Combining Nanoelectronics and CMOS	Corporate Funding	\$64,725	04120727
Seabaugh, Alan C.	Interband Tunneling Transistors	Corporate Funding	\$168,468	04120745
Seabaugh, Alan C.	Silicon MOS Transistors and Circuits Under Uniaxial Strain	Corporate Funding	\$6,077	04120751

Proposals for Instructional Programs

Department or Office:	Center for Social Concerns			
Pettit, Rebecca T.	National Youth Sports Program	Private Funding	\$64,539	04120716

Awards and Proposal Summary

07/01/2004 to 07/31/2004

Awards Received

Category	No.	Amount
Research	34	\$8,355,882
Total:	34	\$8,355,882

Proposals Submitted

Category	No.	Amount
Research	53	\$24,885,696
Instructional Programs	1	\$199,947
Total:	54	\$25,085,643

July 2004 Cumulative summary**Awards Received**

Category	07.01.2002 - 07.31.2002		07.01.2003 - 07.31.2003		07.01.2004 - 07.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	33	\$8,352,420	54	\$8,164,695	34	\$8,355,882
Facilities and Equipment						
Instructional Programs	2	\$268,133	1	\$63,500		
Other Programs						
Service Programs						
Total:	35	\$8,620,553	55	\$8,228,195	34	\$8,355,882

Proposals Submitted

Category	07.01.2002 - 07.31.2002		07.01.2003 - 07.31.2003		07.01.2004 - 07.31.2004	
	No.	Amount	No.	Amount	No.	Amount
Research	47	\$14,578,052	60	\$17,928,830	53	\$24,885,696
Facilities and Equipment						
Instructional Programs	1	\$10,000	1	\$17,181	1	\$199,947
Other Programs						
Service Programs						
Total:	48	\$14,588,052	61	\$17,946,011	54	\$25,085,643

Awards received during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office: Accountancy				
Rivera, Juan M. Welna, Christopher J. (Center or Institute)	Cooperation on Rural Economic Development and Small Business Entrepreneurship	U.S. Agency for International Development	\$299,738	38
Department or Office: Aerospace and Mechanical Engineering				
Renaud, John E	Managing Uncertainty in Bilevel Robust Design Optimization	National Science Foundation	\$7,000	48
Renaud, John E	Managing Uncertainty in Bilevel Robust Design Optimization	National Science Foundation	\$12,000	48
Schmid, Steven R. Niebur, Glen L. Roeder, Ryan K.	HSM and Textured Articulating Surface Development	Corporate Funding	\$29,333	6
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$83,638	36
Department or Office: Biological Sciences				
Belovsky, Gary E.	Comparative Ecology of Montane Snakes in Burned and Unburned Madrean Woodland	U.S. Forest Service	\$33,050	26
Belovsky, Gary E. (Center or Institute)	UMEB: Comparative Ecology: Perspectives on Environments Across Space, Time, and Cultures	National Science Foundation	\$371,265	36
Ferdig, Michael T. (Center or Institute)	Genetic Study of Cryptosporidium parvum	Tufts University School of Veterinary Medicine	\$39,000	12

Awards received during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Hellmann, Jessica J.	Distribution, Abundance, and Adaptation of Butterflies at their Northern Range Limit: A Continuation	Private Funding	\$7,516	9
Romero-Severson, Jeanne	The Insect BAC Library Initiative: A Fundamental Resource for the Study of Evolution and Development.	National Science Foundation	\$200,000	18
Shay, Neil F.	SUBCONTRACT: Soy Isoflavones Exert Anti-Diabetic Effect Via PPAR and ER Receptors	Southern Illinois University	\$34,500	36
Tank, Jennifer L. Rosi-Marshall, Emma	Cycling of Novel Allochthonous Carbon in Midwestern Agricultural Streams	National Science Foundation	\$530,000	36
Welsh, JoEllen J.	Bioactivation of Vitamin D in Mammary Gland	National Institutes of Health	\$74,250	24
Department or Office:	Chemistry and Biochemistry			
Scheidt, W. Robert	X-Ray and Chemical Studies of Metalloporphyrins	National Institutes of Health	\$328,500	48
Serianni, Anthony S.	Glucose Modification of Proteins in Diabetic Nephropathy	Vanderbilt University	\$35,200	12
Taylor, Richard E.	Embedded Center Research Agreement	Corporate Funding	\$20,000	24
Wiest, Olaf G.	Structure, Reactivity, and Selectivity of Hydrocarbon Radical Cations	National Science Foundation	\$116,000	35

Awards received during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Civil Engineering and Geological Sciences				
Burns, Peter C.	Impact of Uranyl Alteration Phases of Spent Fuel on Mobility of Np in Yucca Mountain	Department of Energy	\$250,000	36
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A. (Center or Institute)	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,000,000	60
Bunker, Bruce A. Fein, Jeremy B. Maurice, Patricia A.	Controls on Molecular-Scale Microbial Responses to Metals: Interactions of Bacterium Metals, and Environmental Nanoparticles	Department of Energy	\$177,775	40
Silliman, Stephen E.	The Impact of Physical Heterogeneity and Connectivity on LNAPL Entrapment and Dissolution	National Science Foundation	\$144,026	24
Department or Office: Computer Science & Engineering				
Freeh, Vincent W. Tynan, Renee O. Madey, Gregory R.	Understanding Open Source Software Development	National Science Foundation	\$109,086	36
Department or Office: Electrical Engineering				
Bauer, Peter H.	Collaborative Research: Distributed Information Fusion Networks for Threat Detection and Assessment	National Science Foundation	\$49,997	36
Seabaugh, Alan C. (Center or Institute)	Difference-Defined Nanofabrication	National Science Foundation	\$100,000	12

Awards received during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: English				
Staud, John J. (Center or Institute)	ACE Program	Corporate Funding	\$65,600	36
Department or Office: Physics				
Furdyna, Jacek K. Dobrowolska-Furdyna, Malgorzata Janko, Boldizsar	NIRT: Formation and Properties of Spin-Polarized Quantum Dots in Magnetic Semiconductors by Controlled Variation of Magnetic Fields on the Nanoscale	National Science Foundation	\$250,000	48
Kolata, James J.	Nuclear Reactions Studied With Short-Lived Nuclear Beams	University of Michigan	\$89,053	12
Department or Office: Political Science				
Hagopian, Frances	Doctoral Dissertation Research in Political Science: Public Support and Democracy	National Science Foundation	\$13,000	13
Lieber, Keir A. (Center or Institute)	U.S. Nuclear Weapons Policy: Departure from Deterrence	Private funding	\$25,000	12
Department or Office: Psychology				
Borkowski, John G.	Baby/Child Library	Georgetown University	\$10,000	13
Cummings, E. M.	Child Regulation and Exposure to Marital Violence	Auburn University	\$67,355	10
Department or Office: Sociology				
Hernandez, Edwin I. Cardenas, Gilberto (Center or Institute)	The Latino Church Social Service Capacity Study	Private Funding	\$485,000	18

Awards received during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Myers, Daniel J. Sikkink, David H. Emerson, Michael O.	Panel Study of American Religious Life (PS-ARL)	Private Funding	\$3,279,000	36
Department or Office: Theology				
Ulrich, Eugene C. VanderKam, James C.	The Dead Seas Scrolls Project	National Endowment for the Humanities	\$20,000	24

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office: Aerospace and Mechanical Engineering				
Morris, Scott C.	Scanning Laser Vibrometer for Fluid-Structure Interactions and Acoustics	Department of Navy	\$195,310	12
Renaud, John E.	Hybrid Cellular Automata: A Structural Synthesis and Shape Optimization Tool for Crashworthiness	Corporate Funding	\$50,000	12
Roeder, Ryan K.	CAREER: Integrating a Materials Engineering Paradigm in Mechanical Engineering and Bioengineering	National Science Foundation	\$645,867	60
Department or Office: Biological Sciences				
Collins, Frank H.	Experimental Parasitology and Vector Biology	National Institutes of Health	\$126,676	11
D'Souza-Schorey, Crislyn	Molecular Mechanisms of Cell Invasion	National Institutes of Health	\$325,000	12
Feder, Jeffrey L.	The Biogeography of Sympatric Speciation in Rhagoletis	National Science Foundation	\$525,701	36

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Ferdig, Michael T. Goodson, Holly V. Helquist, Paul Miller, Marvin J. Krchnak, Viktor Wiest, Olaf G. Adams, John H.	Creation of Novel Histone Deacetylase (HDAC) Inhibitors to Combat Malaria	Corporate Funding	\$5,527,271	60
Fraser, Malcolm J.	Developing Coupled Trangenic Ribozyme and Insecticide Resistance Approaches to Establishing Dengue Virus Refractoriness in Natural Populations	National Institutes of Health	\$2,460,487	12
Hollocher, Hope	Population and Evolutionary Developmental Dynamics of Pigmentation in Neotropical Drosophila	National Science Foundation	\$383,493	36
Johnson, Alan L.	Ovarian Follicle Selection Mediated by Release from Inhibitory MAP Kinase Signaling	National Science Foundation	\$493,801	36
Lodge, David M.	Impact and Spread of Aquatic Invasive Species: Regime Shifts and Landscape-Scale Dispersal	National Science Foundation	\$556,667	60
Lodge, David M.	Challenge Cost-Share Agreement between UNDERC and USDA Forest Service	U.S. Forest Service	\$14,400	16

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
McDowell, Mary A.	Inhibition of Interleukin-12 in Leishmania-infected Macrophages	Private Funding	\$259,999	60
McDowell, Mary A.	Inhibition of Interleukin-12 in Leishmania-infected Macrophages	Private Funding	\$214,500	48
Shay, Neil F.	Botanical-Drug Interactions: Soy Isoflavones and Statins on Cytochrome P450s	Private Funding	\$50,000	24
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	CAREER: Assembly and Dynamics of Class I Peptide/MHC Complexes	National Science Foundation	\$1,007,171	60
Balsara, Rashna D.	Regulation of Cell Proliferation in Wild-Type and Plasminogen Activator Inhibitor	Private Funding	\$260,000	48
Balsara, Rashna D.	Regulation of Cell Proliferation in Wild-Type and Plasminogen Activator Inhibitor	Private Funding	\$214,500	36
Castellino, Francis J.	Mechanism of Plasminogen Activator-1 Function in Angiogenesis	Private Funding	\$52,000	24
Helquist, Paul Wiest, Olaf G.	Automated Design and Experimental Screening of Chiral Catalysts	National Science Foundation	\$398,812	36

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Kuno, Masaru K.	CAREER: Solution Based, Branched and Straight, Semiconductor Nanowires	National Science Foundation	\$573,504	60
Mobashery, Shahriar	Resistance to Beta-Lactam Antibiotics	National Institutes of Health	\$337,500	12
Peng, Jeffrey W.	Conformational Dynamics in Chemical Probes of Biology	National Science Foundation	\$1,155,877	60
Serianni, Anthony S.	NMR Studies of Biologically Important Oligosaccharides	National Institutes of Health	\$366,500	12
Sevov, Slavi C.	Main-Group Deltahedral Clusters: Functionalization and Oligomerization by Design	National Science Foundation	\$405,719	36
Department or Office:	Civil Engineering and Geological Sciences			
Kijewski-Correa, Tracy L.	CAREER: An Integrated Teaching and Research Paradigm for Structural Evaluation	National Science Foundation	\$453,101	60
Talley, Jeffrey W.	CAREER: Detection and Control of Algal Blooms in Shallow Lake Systems	National Science Foundation	\$401,917	60

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Vichit-Vadakan, Wilasa	CAREER: Investigation the Strength Degradation and Recovery of Fire-Exposed Concrete	National Science Foundation	\$448,063	60
Woertz, Jennifer R.	CAREER: Nitrogen sensing in Fungal Biofilms: Connecting Gene Expression to Vapor-Phase Bioreactor Macroscale Behavior	National Science Foundation	\$437,923	60
Department or Office:	Computer Science & Engineering			
Chandra, Surendar	CAREER: Scalable Self Managing Multimedia Storage	National Science Foundation	\$80,688	60
Izaguirre, Jesus A. Peng, Jeffrey W. Striegel, Aaron	Grid-Enabled Integration of Experimental Data and Simulations for Flexible Protein Docking	National Science Foundation	\$831,884	36
Department or Office:	Electrical Engineering			
Fay, Patrick J.	SBIR Phase II: Native-Oxide Defined AlGaAs Heterostructure Bipolar Transistors	Corporate Funding	\$165,541	24
Haenggi, Martin	CAREER: Modeling and Managing Uncertainty in Wireless Ad Hoc and Sensor Networks	National Science Foundation	\$597,965	60

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Hall, Douglas C.	Advanced InAlGaAs Oxidation for Photonic Devices	Corporate Funding	\$152,667	24
Jena, Debdeep	Epitaxial Control of Linearity in the PoFET- A Novel III-V Nitride Microwave Power Transistor	Department of Army	\$314,146	36
Jena, Debdeep	CAREER: Polarization Engineered and Nano-Enhanced III-V Nitride Semiconductor Heterostructure	National Science Foundation	\$597,954	60
Laneman, J. N.	CAREER: Cross-Layer Diversity Approaches for MIMO Communications	National Science Foundation	\$572,485	60
Seabaugh, Alan C. Fay, Patrick J.	Large Format W-Band Focal Plane Arrays	National Reconnaissance Office	\$349,933	9
Department or Office:	English			
Harris, Susan C.	Acting Union: Ireland, Theater, and Eighteenth-Century Culture	National Endowment for the Humanities	\$40,000	12
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I.	The Influence of Religion on Latino Political Attitudes and Behavior	Private Funding	\$18,500	3

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Hernandez, Edwin I.	Hispanic Ministry Trends and Needs	Private Funding	\$51,500	8
Department or Office:	Physics			
Bennett, David P.	The Microlensing Planet Finder	National Aeronautics and Space Administration	\$76,800	6
Eskildsen, Morten R.	CAREER: Local & Global Studies of Stable & Metastable Vortex Configurations in Type-II Superconductors	National Science Foundation	\$1,305,830	60
Garnavich, Peter M.	Probing the Equation of State of the Dark Energy with Supernovae	Harvard University	\$80,000	16
Wayne, Mitchell R. Karmgard, Daniel J.	USCMS Experimental Maintenance and Operations	University of California-Los Angeles	\$29,826	21
Department or Office:	Political Science			
Hero, Rodney E.	Latino National Survey	Private Funding	\$200,000	24
Department or Office:	Program of Liberal Studies			
Stapleford, Thomas A.	Bounded Conflict: The Consumer Price Index and American Political Economy, 1880-1975	National Science Foundation	\$90,617	12

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Boker, Steven M. Scheutz, Matthias J.	Dynamic Models for Interpersonal Coordination in Dyadic Conversation	National Science Foundation	\$610,889	36
Corning, Alexandra F.	Utility of a Social Comparison Framework for Understanding Individuals' Perceptions of Discrimination	National Science Foundation	\$166,672	24
Department or Office: Radiation Laboratory				
Hug, Gordon L.	Sulfur Radical Cation-Peptide Bond Complex in the One-Electron Oxidation of S-Alkylglutathiones	Private Funding	\$0	9
Department or Office: Sociology				
Aldous, Joan	The Well-Being of Aging Bachelors and Spinsters: Investigating Stereotypes	National Institutes of Health	\$37,500	12
McVeigh, Rory M. Myers, Daniel J.	REU Site for Research on Race, Ethnicity, Activism, and Protest	National Science Foundation	\$167,540	36
Department or Office: Theology				
Groody, Daniel G.	Migration and Theology: An International Conference	Private Funding	\$5,000	12

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Instructional Programs</u>				
Department or Office:	Center for Social Concerns			
Caponigro, Jerome V.	Robinson Center Mentor	Department of Education	\$199,947	36
	Corps			

Awards and Proposal Summary

Centers and Institutes Report

07/01/2004 to 07/31/2004

Awards Received

Department or Office	No.	Amount
ACE Educational Outreach	1	\$65,600
Center for Flow Physics and Control	1	\$83,638
Center for Tropical Disease Research & Training	1	\$39,000
Environmental Molecular Science Institute	1	\$1,000,000
Environmental Research Center	1	\$371,265
Institute for Latino Studies	1	\$485,000
Kellogg Institute for International Studies	1	\$299,738
Kroc Institute for International Peace Studies	1	\$25,000
Nano Science and Technology Center	1	\$100,000
Total:	9	\$2,469,241

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	2	\$156,800
Center for Flow Physics and Control	1	\$195,310
Center for Transgene Research	3	\$526,500
Center for Tropical Disease Research & Training	5	\$8,588,933
Institute for Latino Studies	4	\$275,000
Keough Institute for Irish Studies	1	\$40,000
Nano Science and Technology Center	4	\$982,287
Radiation Laboratory	1	\$0
Robinson Community Learning Center	1	\$199,947
Walther Cancer Research Center	1	\$325,000
Total:	23	\$11,289,777

Awards received during the period Jul-01-2004 to Jul-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	ACE Educational Outreach			
Staud, John J. (Center or Institute)	ACE Program	Corporate Funding	\$65,600	006140-001
Department or Office:	Center for Flow Physics and Control			
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$83,638	006111-001
Department or Office:	Center for Tropical Disease Research & Training			
Ferdig, Michael T. (Center or Institute)	Genetic Study of Cryptosporidium parvum	Tufts University School of Veterinary Medicine	\$39,000	006320-001
Department or Office:	Environmental Molecular Science Institute			
Fein, Jeremy B. Burns, Peter C. Maurice, Patricia A. (Center or Institute)	Environmental Molecular Science Institute: Actinides and Heavy Metals in the Environment	National Science Foundation	\$1,000,000	005902-001
Department or Office:	Environmental Research Center			
Belovsky, Gary E. (Center or Institute)	UMEB: Comparative Ecology: Perspectives on Environments Across Space, Time, and Cultures	National Science Foundation	\$371,265	006306-001
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I. Cardenas, Gilberto (Center or Institute)	The Latino Church Social Service Capacity Study	Private Funding	\$485,000	006316-001
Department or Office:	Kellogg Institute for International Studies			
Rivera, Juan M. Welna, Christopher J. (Center or Institute)	Cooperation on Rural Economic Development and Small Business Entrepreneurship	U.S. Agency for International Development	\$299,738	006317-001

Awards received during the period Jul-01-2004 to Jul-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Kroc Institute for International Peace Studies				
Lieber, Keir A. (Center or Institute)	U.S. Nuclear Weapons Policy: Departure from Deterrence	Private Funding	\$25,000	006311-001
Department or Office: Nano Science and Technology Center				
Seabaugh, Alan C. (Center or Institute)	Difference-Defined Nanofabrication	National Science Foundation	\$100,000	006301-001

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Astrophysics			
Bennett, David P.	The Microlensing Planet Finder	National Aeronautics and Space Administration	\$76,800	05010025
Garnavich, Peter M.	Probing the Equation of State of the Dark Energy with Supernovae	Harvard University	\$80,000	05010042
Department or Office:	Center for Flow Physics and Control			
Morris, Scott C.	Scanning Laser Vibrometer for Fluid-Structure Interactions and Acoustics	Department of Navy	\$195,310	05010044
Department or Office:	Center for Transgene Research			
Balsara, Rashna D.	Regulation of Cell Proliferation in Wild-Type and Plasminogen Activator Inhibitor	Private Funding	\$214,500	05010015
Balsara, Rashna D.	Regulation of Cell Proliferation in Wild-Type and Plasminogen Activator Inhibitor	Private Funding	\$260,000	05010016
Castellino, Francis J.	Mechanism of Plasminogen Activator-1 Function in Angiogenesis	Private Funding	\$52,000	05010017

Proposals submitted during the period Jul-01-2004 to Jul-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Center for Tropical Disease Research & Training			
Fraser, Malcolm J.	Developing Coupled Trangenic Ribozyme and Insecticide Resistance Approaches to Establishing Dengue Virus Refractoriness in Natural Populations	National Institutes of Health	\$2,460,487	05010005
McDowell, Mary A.	Inhibition of Interleukin-12 in Leishmania-infected Macrophages	Private Funding	\$214,500	05010014
McDowell, Mary A.	Inhibition of Interleukin-12 in Leishmania-infected Macrophages	Private Funding	\$259,999	05010020
Ferdig, Michael T. Goodson, Holly V. Helquist, Paul Miller, Marvin J. Krchnak, Viktor Wiest, Olaf G. Adams, John H.	Creation of Novel Histone Deacetylase (HDAC) Inhibitors to Combat Malaria	Corporate Funding	\$5,527,271	05010052
Collins, Frank H.	Experimental Parasitology and Vector Biology	National Institutes of Health	\$126,676	05010031
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I.	The Influence of Religion on Latino Political Attitudes and Behavior	Private Funding	\$18,500	05010011

Proposals submitted during the period Jul-01-2004 to Jul-31-2004

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Hero, Rodney E.	Latino National Survey	Private Funding	\$200,000	05010013
Groody, Daniel G.	Migration and Theology: An International Conference	Private Funding	\$5,000	05010041
Hernandez, Edwin I.	Hispanic Ministry Trends and Needs	Private Funding	\$51,500	05010012
Department or Office:	Keough Institute for Irish Studies			
Harris, Susan C.	Acting Union: Ireland, Theater, and Eighteenth-Century Culture	National Endowment for the Humanities	\$40,000	05010027
Department or Office:	Nano Science and Technology Center			
Jena, Debdeep	Epitaxial Control of Linearity in the PoFET- A Novel III-V Nitride Microwave Power Transistor	Department of Army	\$314,146	05010008
Seabaugh, Alan C. Fay, Patrick J.	Large Format W-Band Focal Plane Arrays	National Reconnaissance Office	\$349,933	05010023
Fay, Patrick J.	SBIR Phase II: Native-Oxide Defined AlGaAs Heterostructure Bipolar Transistors	Corporate Funding	\$165,541	05010046

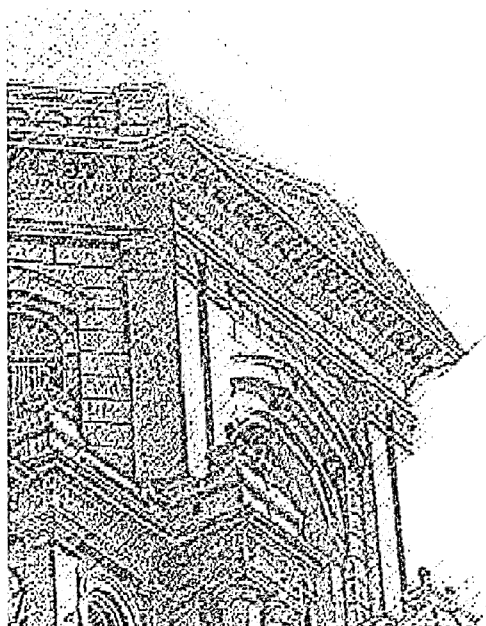
Proposals submitted during the period Jul-01-2004 to Jul-31-2004**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Hall, Douglas C.	Advanced InAlGaAs Oxidation for Photonic Devices	Corporate Funding	\$152,667	05010047
Department or Office:	Radiation Laboratory			
Hug, Gordon L.	Sulfur Radical Cation-Peptide Bond Complex in the One-Electron Oxidation of S-Alkylglutathiones	Private Funding	\$0	05010048
Department or Office:	Walther Cancer Research Center			
D'Souza-Schorey, Crislyn	Molecular Mechanisms of National Institutes of Health Cell Invasion		\$325,000	05010001

Proposals for Instructional Programs

Department or Office:	Robinson Community Learning Center			
Caponigro, Jerome V.	Robinson Center Mentor	Department of Education	\$199,947	05010007
	Corps			

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