

# NOTRE DAME REPORT

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## THE UNIVERSITY

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NOVEMBER 19, 1993 • NUMBER 6

## Notre Dame Enrollment Figures Compiled

Notre Dame has more undergraduates, more women and more freshmen than ever before, according to the annual enrollment report compiled by the Office of Institutional Research.

Among undergraduates, 7,701 students are enrolled for the 1993 fall semester, topping the record of 7,673 in 1989. With 2,422 postbaccalaureate students, the total enrollment stands at 10,123, down slightly from last year's record 10,126.

The number of women at Notre Dame has reached an all-time high with 3,152 female undergraduates making up a record 41 percent of the student body. The enrollment of 851 freshmen women (45 percent of the class) also sets a record.

This year's freshman class numbers 1,905, exceeding the previous highs of 1,879 first-year students in 1991 and 1992.

The College of Arts and Letters once again has the largest undergraduate enrollment with 2,290, followed by business administration with 1,424; science with 1,064; and engineering with 970. All other undergraduates are enrolled in the Freshman Year of Studies or are temporarily undeclared.

Among postbaccalaureate students, 1,386 are enrolled in the Graduate School, 567 in the Law School, and 485 in the College of Business Administration. The totals include students involved in dual-degree programs.

Notre Dame continues as one of the few truly national and international universities with a student body drawn from all 50 states and 78 foreign countries — including the University's first-ever undergraduate from Russia.

Catholics make up 86 percent of the undergraduate student population, a population that has remained constant for the past several years.

# FACULTY NOTES

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## Honors

Craig Adcock, professor of art, art history and design, has joined the editorial board of the journal *Design Issues* published by M.I.T. Press, Cambridge, Mass.

Jeffrey C. Kantor, professor of chemical engineering, was elected to a three-year term as a director of the Computing and Systems Technology Division of the American Institute of Chemical Engineering.

Donald P. Kommers, Robbie professor of government and international studies and professor of law, was chosen president-elect of the Conference Group on German Politics at the September 1993 annual meeting of the American Political Science Association. CGGP is a national organization of scholars devoted to the study of German politics and society. He was named to the advisory board of a new series of books on "Constitutionalism and Democracy" inaugurated by the University Press of Virginia.

Jean Porter, associate professor of theology, was elected treasurer of the Indiana Conference of the American Association of University Professors at the state convention in Indianapolis, Ind., Oct. 22-23.

Michael K. Sain, Freimann professor of electrical engineering, has been reappointed associate editor at large for *IEEE Transactions on Automatic Control* for January-December 1994.

Thomas L. Shaffer, Short professor of law, received the first annual Journal of Law and Religion Medal at ceremonies in St. Paul, Minn., Oct. 14. He gave a talk at that time titled "How I Have Changed My Mind."

Andrew J. Sommese, professor of mathematics, has received a Humboldt Research Award for Senior U.S. Scientists from the Alexander Von Humboldt Foundation for 50,000 D.M. which is to be used to carry out mathematical research at the University of Bayreuth and at the University of Göttingen.

J. Kerry Thomas, Nieuwland professor of chemistry, is the recipient of the Award in Colloid or Surface Chemistry sponsored by Proctor & Gamble Co.

## Activities

Craig Adcock, professor of art, art history and design, delivered an invited presentation titled "The California Light and Space Movement: Implications for Architects" at the Department of Architecture at Miami University in Oxford, Ohio, Oct. 6.

Nadia M. Alhasani, assistant professor of architecture, presented the paper "The Golden Dome: Architecture as Symbolism" at the Northeast regional meeting in Annapolis, Md., Oct. 28-31.

Hafiz M. Atassi, professor of aerospace and mechanical engineering and director of the Center for Applied Mathematics, chaired the session "Turbomachinery Source Noise" at the American Institute of Aeronautics and Astronautics Aeroacoustic Conference in Long Beach, Calif., Oct. 25-27.

J. Robert Baker, adjunct assistant professor in the Freshman Writing Program, presented "Malcolm X: A Critical Evaluation and Hypertext" at the Indiana College English Association Meeting at Valparaiso University in Valparaiso, Ind., Oct. 22.

Lillian S. Bell, adjunct professor in the Freshman Writing Program, was the keynote speaker at "Celebrating Excellence" program honoring 300 sixth graders and 165 eighth graders from the Elkhart Community Schools in Elkhart, Ind., May 17. She served as moderator for "A River on My Mind" a YM/YWCA project funded by Indiana Humanities Council in Elkhart, Ind., June 17.

Sr. Eleanor Bernstein, C.S.J., associate professional specialist in the Center for Pastoral Liturgy, Institute for Church Life, gave the keynote presentation "Gathered in His Name" and the workshop on general intercessions at the Diocesan Ministry Day in Memphis, Tenn., Sept. 18. She presented "The Liturgical Year" in Indianapolis, Ind., Sept. 29, and in Terre Haute, Ind., Oct. 26.

Joan F. Brennecke, assistant professor of chemical engineering, presented the invited seminar "Local Solvent Effects on Reactions in Supercritical Fluids" to the Department of Chemical Engineering at the University of Illinois at Urbana Champaign, Ill., Oct. 26. She presented "The Effect of Local Solvent Environments on Kinetically-Controlled and Diffusion-Controlled Reactions in Supercritical Fluids" to the Department of Chemical Engineering at the University of Tulsa in Tulsa, Okla., Oct. 29. She gave the invited seminar "The Influence of Local Solvent Environments on Reactions in Supercritical Fluids" to the Department of Chemistry at Western Michigan University in Kalamazoo, Mich., Nov. 1.

# FACULTY NOTES

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**Francis J. Castellino**, dean of science and Kleiderer-Pezold professor of biochemistry, served as visiting professor of the Center for Molecular and Vascular Biology of the Katholieke Universiteit Leuven, Leuven, Belgium, Oct. 25-30. He gave these three seminars: "Structure-function Relationships of Human Protein C and Activated Protein C as Revealed Through Genetic Engineering of its cDNA," "Specific Amino Acid Residues of Kringle Modules that Stabilize Their Interactions with  $\omega$ -amino Acids," and "Structure-function Relationships of Human Plasminogen and Plasmin." He gave the seminar "Structure-function Relationships of Human Protein C and Activated Protein C" at the Department of Molecular and Cellular Biochemistry at Stritch School of Medicine, Loyola University, Maywood, Ill., Nov. 1.

**Ziyi Danny Chen**, assistant professor of computer science and engineering, gave the invited talk "Solving Shortest Path Problems on Interval and Circular-Arc Graphs" in Praktische Informatik VI, Fern Universitat, Hagen, Germany, Sept. 29. He presented the paper "An Optimal Algorithm for Shortest Paths on Weighted Interval and Circular-Arc Graphs with Applications" at the first annual European symposium on Algorithms in Bad Honnef, Germany, Sept. 30-Oct. 2.

**Kevin J. Christiano**, chair and associate professor of sociology, served as moderator in a session on "International Approaches to the Study of Religion" at the annual meeting of the Society for the Scientific Study of Religion in Raleigh, N.C., Oct. 29-31.

**Lawrence S. Cunningham**, chair and professor of theology, presented "The Meaning of Catholicity: The View from Theology" to the Catholic Character Conversation Group at the University of Notre Dame, Notre Dame, Ind., Sept. 29. He presented "The American Catholic Church and the Vatican" to the St. Edward's Forum in Notre Dame, Ind., Oct. 7. He gave the William K. Warren Lecture "Sages, Wisdom, and the Catholic Tradition" at the University of Tulsa in Tulsa, Okla., Oct. 10. Cunningham presented the Aquinas Lecture "Rome's New Catechism: History and Prospects" at Purdue University in West Lafayette, Ind., Oct. 21.

**Jay P. Dolan**, professor of history and director of the Cushwa Center, presented the paper "Catholicism in American Culture: Strategies for Survival" at a seminar in American religious history at the College of the Holy Cross in Worcester, Mass., Oct. 11. He delivered the inaugural lecture "The Search for An American Catholicism" on the occasion of the inauguration of the president, Dr. Thomas McFadden, at Marymount College in Rancho Palos Verdes, Calif., Oct. 22.

**Patrick F. Dunn**, professor of aerospace and mechanical engineering, organized and chaired two sessions on Particle/Surface Impact and presented a paper titled "Low Velocity Impact of Electrically Charged Microspheres with Planar Surfaces Under Vacuum Conditions" co-authored with M.J. Caylor and Raymond M. Brach, associate professor of aerospace and mechanical engineering, at the 1993 meeting of the American Association for Aerosol Research in Oak Brook, Ill., Oct. 12-15.

**J. Massynbaerde Ford**, professor of theology, presented the lectures "The Social Background of the Seven Apocalyptic Churches," "The Priestly People of God in the Apocalypse," "The Lamb of the Apocalypse," "The Antichrist" and "The New Jerusalem" at Edgewood College in Madison, Wis., July 5-9. She presented the paper "Corpus Diaboli in the Work of Tyconius" at the Catholic Biblical Association in Kansas City, Mo., Aug. 14-17.

**Denis A. Goulet**, O'Neill professor in education for justice, economics, delivered a paper titled "Authentic Development: Is it Sustainable?" to the conference "Footsteps to Sustainability" at the University of Maryland at College Park and the Carnegie Endowment for International Peace in Washington, D.C., Oct. 28-30.

**William G. Gray**, chairman and Massman professor of civil engineering and geological sciences, presented the Phoebe Apperson Hearst Distinguished Lecture "On the Inclusion of Phase Interfaces in Describing Multiphase Porous Media Flow" in the Department of Material Science and Mineral Engineering at the University of California in Berkeley, Calif., Oct. 18.

**Edward A. Kline**, professor of English and O'Malley director of the Freshman Writing Program, chaired the session on using computers to teach writing and literature at the annual conference of the Indiana College English Association at Valparaiso University in Valparaiso, Ind., Oct. 22.

**Douglas W. Kmiec**, professor of law, delivered a paper on American Catholic social teaching to the Katholische Sozialwissenschaftliche Zentralstelle in Monchengladbach, Germany, June 28-July 3. He served as a member of the National Advisory Commission on Manufactured Housing with respect to new regulations pertaining to wind resistance, energy law and related regulatory standards in Washington, D.C., July 14-15. He participated in a panel discussion and review of Jaffa, *Original Intent and the Framers of the Constitution*, at the American Political Science Association meeting in Washington, D.C., Sept. 5. He delivered the keynote address titled "Public Policy Issues Facing American Catholics — John Courtney Murray's Challenge to Discover the American Public Philosophy" sponsored by the Catholic Campaign for America to the Catholic town meeting in Lansing, Mich., Sept. 25. Kmiec debated the General Coun-

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sel of the Michigan ACLU on the topic "Michigan's anti-voucher rule for non-public schools is not required by the Establishment Clause and may violate the Free Exercise Clause" in Detroit, Mich., Oct. 27. He gave the Hesburgh Lecture titled "Whatever Happened to the Traditional American Family?" to the Notre Dame Club in Peoria, Ill., Oct. 28.

Donald P. Kommers, Robbie professor of government and international studies and professor of law, delivered the Brendan F. Brown Lecture "The Constitutional Law of Abortion in Germany: Should Americans Pay Attention?" in the Law School of the Catholic University of America, Washington, D.C., Sept. 22. He participated in the panel discussion on constitutional revision in Germany at the Johns Hopkins School of International Relations in Washington, D.C., Sept. 24. The panel followed the formal presentation of his book, *Germany and Its Basic Law*, co-edited with Paul Kirchhof, a judge on Germany's Federal Constitutional Court. He served as the discussant on a panel on German federalism at the annual meeting of the German Studies Association in Washington, D.C., Oct. 9.

Catherine Mowry LaCugna, professor of theology, presented a commentary on *Ex Corde Ecclesiae* at the University of Notre Dame, Notre Dame, Ind., Oct. 20. She gave a lecture to doctoral students at Duke Divinity School in Durham, N.C., Nov. 11. She presented "The Church: Icon of the Trinity" to a general audience at Duke University in Durham, N.C., Nov. 12.

Gary A. Lamberti, assistant professor of biological sciences, co-authored the poster titled "Zebra Mussel Abundance and Ecological Impact in the St. Joseph River Basin (Indiana and Michigan): Projections for Future Spread and Impact on Flowing Waters" with T. Horvath, W. Perry, J. Harding and David M. Lodge, associate professor of biological sciences, at the Midwest Environmental Chemistry Workshop at the University of Notre Dame, Notre Dame, Ind., Oct. 17-18.

Michael J. Loux, O'Shaughnessy professor of philosophy, delivered the paper "Understanding Process" at the annual meeting of the Society for Ancient Greek Philosophy at the State University of New York in Binghamton, N.Y., Oct. 30.

Scott P. Mainwaring, professor of government and international studies and senior fellow in the Kellogg Institute, gave a talk on "Democracy in Brazil" at the Institute of Brazilian Issues in Washington, D.C., Oct. 25.

Paul McGinn, associate professor of electrical engineering, presented an invited talk titled "Considerations in the Processing of Long Lengths of Melt Textured  $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$  Wires" at the fall meeting of the Minerals, Metals and Materials Society in Pittsburgh, Pa., Oct. 19. He chaired a meeting of the Superconducting Materials Committee and repre-

sented that committee at meetings of the Structural Materials Division Council and the Electronic, Magnetic and Photonic Materials Division Council.

Juan Migliore, associate professor of mathematics, gave the talk "On the Cohen-Macaulay type of the General Hyper-surface Section of a Curve" at the workshop on Hilbert Functions and Related Topics at the Mathematical Sciences Institute at Cornell University in Ithaca, N.Y., Oct. 30.

Rev. Wilson D. Miscamble, C.S.C., chair and associate professor of history, presented the paper "Harry Truman's Foreign Policy Lessons for Bill Clinton" at the 24th annual leadership conference at the Center for the Study of the Presidency in Indianapolis, Ind., Oct. 23. He presented the paper "George F. Kennan and the Foreign Policymaking Process" at the Department of National Security Policy at the National War College of the National Defense University in Washington, D.C., Oct. 24.

Sharon L. O'Brien, chairperson and associate professor of government and international studies, presented the paper "Respect and Responsibility: Overlooked Values in Western Political Philosophy" at the American Political Science Association Meeting in Washington, D.C., Sept. 2. She was an invited guest on "Cross Talk," WSJV, Channel 28, Sept. 12. She gave the invited lecture "Politics and American Indians" at Leading Ideas in American Indian Studies at the University of Wisconsin in Madison, Wis., Sept. 23-24.

William O'Rourke, associate professor of English, participated in a reading at "Wordstruck: Second Indiana Festival of Books" sponsored by the Indiana Humanities Council in Indianapolis, Ind., Oct. 9.

Simon M. Pimblott, associate professional specialist in the Radiation Laboratory, gave the invited seminar "Theoretical Studies in Radiation Chemistry and Radiation Biology" at Rochester University in Rochester, N.Y., Nov. 4.

Frank K. Reilly, Hank professor of business administration, taught a session for the National Structured Settlements Trade Association Certification Program on Fixed Income Analysis in Notre Dame, Ind., Oct. 2.

Joachim J. Rosenthal, assistant professor of mathematics, gave the invited lecture "Autoregressive Systems over Finite Fields, with Applications to Coding" at the IT Workshop on Coding, System Theory, and Symbolic Dynamics held in Mansfield, Mass., Oct. 18-20.

Michael K. Sain, Freimann professor of electrical engineering, presented the invited paper "A Fresh Look at Inverse Dynamical Systems" at the 31st Allerton conference on Communication, Control, and Computing in Monticello, Ill., Oct. 1.

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**Timothy R. Scully, C.S.C.**, associate professor of government and international studies, gave a talk on recent directions in institutional research in a workshop on "Recent Research Efforts on Political and Economic Liberalization" at the University of Southern California in Los Angeles, Calif., May 21-22. He gave a talk titled "Institutionalizing Party Systems in Latin America" at a workshop dedicated to a forthcoming volume by Stanford University Press, *Building Democratic Institutions: Party Systems in Latin America*, co-authored by Scully and **Scott Mainwaring**, professor of government and international studies and senior fellow in the Kellogg Institute, at the Woodrow Wilson Center for International Scholars in Washington, D.C., June 9. Scully gave a lecture to the faculty titled "Institucionalización y sistemas de partidos en América Latina" at the Institute of Political Science at the Catholic University of Santiago, Chile, June 30. He gave a paper titled "Party Institutionalization in Latin America (with a view to East-Central Europe)" on a panel on "Transitions from Authoritarian Rule: The Latin American and East European Experiences" at the 89th annual meeting of the American Political Science Association in Washington, D.C., Sept. 2.

**James H. Seckinger**, director of the National Institute for Trial Advocacy and professor of law, served as program coordinator and a faculty member for the NITA/Ontario Centre for Advocacy Training Advanced Trial Advocacy Program in Toronto, Ontario, Canada, Oct. 20-23. He gave a lecture to the faculty on Effective Teaching Techniques.

**Susan Guise Sheridan**, assistant professor of anthropology, presented the invited paper titled "Minor and Trace Element Analysis of Sex Differences in Diet Among Adults from an Ancient Nubian Population" at the symposium "Life After Death on the Nile: Reconstructing Human Evolution and Adaptation in Ancient Egypt and Nubia" at the 21st annual meeting of the Canadian Association of Physical Anthropology in St. John's, New Foundland, Oct. 21-23.

**Cornelius C. Thomas**, visiting assistant professor of history, presented the paper "The South African and U.S. Workers' Movements in Comparative Perspective: Contending with the Labor Bureaucracies, 1968-1983" before an international assembly of labor scholars and activists at the Ed Mann Labor School in Youngstown, Ohio, Oct. 9. He participated in an international labor roundtable and a plenary session on the future of the labor movement at that assembly, Oct. 10. Conference participants included labor scholars (historians and sociologists) from the United States, Midwest labor activists, and labor leaders from the Philippines, Holland, South Africa and Mexico.

**Anthony M. Trozzolo**, Huisking professor emeritus of chemistry, gave invited lectures before four sections of the American Chemical Society: "Microworld of Organic Solid-State Chemistry" was presented to the Corning Section of ACS, Mansfield, Pa., Oct. 18, and to the Binghamton Section of ACS, Binghamton, N.Y., Oct. 19; "Photochromism-Molecules that Curl Up and Dye" was presented to the Norwich Section of ACS, Norwich, N.Y., Oct. 20, and to the Syracuse Section of ACS, State University of New York, Oswego, N.Y., Oct. 21.

**Raimo Väyrynen**, Regan director of the Kroc Institute and professor of government and international studies, gave the paper "Small European States: Problems of Security and Prosperity" to the conference "The Security of Small States" organized by the Luxembourg Institute for European and International Studies in Luxembourg, Oct. 22-23.

**Arvind Varma**, Schmitt professor of chemical engineering, presented an invited graduate seminar titled "Combustion Synthesis of Advanced Materials" at the Department of Chemistry and Biochemistry at the University of Southern Mississippi in Hattiesburg, Miss., Oct. 15.

**Kathleen Maas Weigert**, faculty liaison/academic coordinator in the Center for Social Concerns and faculty fellow in the Kroc Institute, was an invited participant in a special working group meeting on National Service and Higher Education conducted by the White House Office of National Service at the University of Michigan in Ann Arbor, Mich., Oct. 18. She spoke on "Curriculum Strategies in Development Education" at the "Poverty and Development: Seeking Long-Term Solutions to Critical Issues" town meeting sponsored by the Interfaith Hunger Appeal and Norfolk State University in Norfolk, Va., Oct. 29.

**Samir Younés**, assistant professor of architecture, designed the cornerstone monument for the bicentennial anniversary of the U.S. Capitol. The Presidential and Congressional ceremony was held at the western side of the U.S. Capitol concurrently with the return of the Statue of Freedom (after its restoration) to adorn the Capitol dome in Washington, D.C., Oct. 23.

**Randall C. Zachman**, assistant professor of theology, presented the adult education class "John Calvin: His Life and Thought" at the Fourth Presbyterian Church in Chicago, Ill., Oct. 10, 17, 24, 31.

## Corrections to Notre Dame Report #4

### University Administration

#### Business Affairs

Alan Bigger, M.A.  
Director of Building Services

### Academic Department Chairpersons and Program Directors

#### College of Arts and Letters - Program Directors

Kenneth Moore, Ph.D.  
Mediterranean/Middle East Studies Program

### University Committees

#### Editorial Board of the University of Notre Dame Press

Wilson Miscamble, C.S.C., Associate Professor of History	Term Expires
	1995

#### Faculty Board in Control of Athletics

David Kirkner, Associate Professor of Civil Engineering and Geological Sciences

#### Graduate Council

Kimberly A. Gray, Ph.D. (Civil Engineering and Geological Sciences)	Term Expires
	1994

#### University Committee for the Freshman Year of Studies

Jerry J. Marley, Associate Professor of Civil Engineering and Geological Sciences

### Faculty of the University

\*THOMAS P. BERGIN, *Director Emeritus of Continuing Education and Professor Emeritus of Management*. B.S., Univ. of Notre Dame, 1945; M.A., Univ. of Vermont, 1948; Ph.D., Univ. of Syracuse, 1958. (1947)

HELEN M. BOWERS, *Assistant Professor of Finance and Business Economics*. B.S., LaSalle Univ., 1981; Ph.D., Univ. of South Carolina, 1987. (1987)

JOSEPH X. BRENNAN, *Professor Emeritus of English*. A.B., Providence College, 1945; M.A., Brown Univ., 1949; Ph.D., Univ. of Illinois, 1953. (1955)

STEVEN J. BRETT, *Adjunct Instructor in Communication and Theatre*. B.A., Hopkins Univ., 1987; M.A., Northwestern Univ., 1990. (1993)

\*GEORGE A. BRINKLEY JR., *Professor Emeritus of Government and International Studies*. A.B., Davidson Univ., 1953; M.A., Columbia Univ., 1955; Ph.D., *ibid.*, 1964. (1958)

SALLY BEELER BROGDEN, *Visiting Assistant Professor of Art, Art History and Design*. A.B., Univ. of Michigan, 1985; B.F.A., *ibid.*, 1987; M.F.A., New York State College of Ceramics, 1990. (1992)

ROBERT P. BURKE, *Assistant Professional Specialist in Arts and Letters, Institute for Scholarship in the Liberal Arts*. A.B., Harvard Univ., 1973; M.S.A., Univ. of Notre Dame, 1993. (1987)

JOSEPH J. CHAMBERS, *Visiting Assistant Professor of Architecture*. B.E.D., Miami Univ. of Ohio, 1983; M.Arch., Yale Univ., 1986. (1993)

\*WILLIAM M. FAIRLEY, *Associate Professor Emeritus of Earth Sciences*. B.A., Colby College, 1949; M.S., Univ. of Maine, 1951; Ph.D., Johns Hopkins Univ., 1962. (1958)

LEONID FAYBUSOVICH, *Assistant Professor of Mathematics*. M.Sc., Leningrad Univ., 1978; Ph.D., Harvard Univ., 1991. (1991)

STEPHEN A. FREDMAN, *Professor of English*. B.F.A., California Institute of the Arts, 1971; M.A., California State College, 1976; Ph.D., Stanford Univ., 1980. (1980)

\*JAMES E. HOUGHTON, *Assistant Professor Emeritus of Aerospace and Mechanical Engineering*. B.S.E.E., Univ. of Notre Dame, 1949; M.S., *ibid.*, 1962. (1952)

THOMAS J. JEMIELITY, *Professor of English (on leave spring 1994)*. M.A., John Carroll Univ., 1958; Ph.D., Cornell Univ., 1965. (1963)

# DOCUMENTATION

\*JOHN J. KENNEDY, *Professor Emeritus of Government and International Studies*. B.A., Univ. of New Mexico, 1936; M.A., Columbia Univ., 1938; Ph.D., *ibid.*, 1954. (1951-59, 1964)

KATHLEEN KOLBERG, *Adjunct Assistant Professor of Psychology*. B.A., Albion College, 1980; Ph.D., Univ. of Notre Dame, 1989. (1993)

JACEK KOSSUT, *Visiting Professor of Physics*. M.S., Warsaw Univ., 1973; Ph.D., Institute of Physics, 1976. (1991, 1993)

EUGENE J. LEAHY, *Professor Emeritus of Music*. B.Mus., Univ. of Notre Dame, 1947; A.B., *ibid.*, 1951; M.Mus., DePaul Univ., 1949; M.A., *ibid.*, 1952; D.F.A., Chicago Musical College, 1952. (1952)

\*LAWRENCE H.N. LEE, *Professor Emeritus of Aerospace and Mechanical Engineering*. B.S., Utopia Univ., 1945; M.S., Univ. of Minnesota, 1947; Ph.D., *ibid.*, 1950. (1950)

REV. RICHARD A. McCORMICK, S.J., *John A. O'Brien Professor Emeritus of Christian Ethics*. B.A., Loyola Univ., Chicago, 1945; M.A., *ibid.*, 1950; S.T.D., Gregorian Univ., Rome, 1957. (1986)

CARL F. MELA, *Instructor in Marketing*. B.A., Brown Univ., 1983; M.A., Univ. of California, 1987; M.Phil., Columbia Univ., 1992; Ph.D., *ibid.*, 1993. (1993)

\*REV. MATTHEW M. MICELI, C.S.C., *Associate Professor Emeritus of Theology*. A.B., Univ. of Notre Dame, 1947; S.T.B., Gregorian Univ., 1949; S.T.L., Catholic Univ. of America, 1952; S.T.D., *ibid.*, 1963. (1954)

LEWIS E. NICHOLSON, *Associate Professor Emeritus of English*. B.A., Univ. of Iowa, 1947; M.A., *ibid.*, 1948; M.A., Harvard Univ., 1951; Ph.D., *ibid.*, 1958. (1958)

\*REV. EDWARD D. O'CONNOR, C.S.C., *Associate Professor Emeritus of Theology*. A.B., Univ. of Notre Dame, 1944; S.T.L., Institut Catholique de Paris, 1950; S.T.D., Univ. Pont. Angelicum, Rome, 1959. (1952)

DIANNE PATNAUDE, *Assistant Professional Specialist in Physical Education*. B.S., Indiana Univ., 1972; M.S.A., Univ. of Notre Dame, 1990. (1990)

JAMES D. PETERSON, *Assistant Professor of Finance and Business Economics*. B.B.A., Univ. of Wisconsin, 1985; Ph.D., Louisiana State Univ., 1990. (1990)

\*RAY M. POWELL, *Professor Emeritus of Accountancy*. B.S., Oklahoma A&M, 1949; M.S., *ibid.*, 1955; D.B.A., Indiana Univ., 1959; C.P.A., Indiana, 1962. (1959)

\*ARTHUR J. QUIGLEY, *Part-time Associate Professor Emeritus of Electrical Engineering*. B.S., Northeastern Univ., 1937; M.S., Harvard Univ., 1939. (1942)

MELINDA P. REESE-ANTSAKLIS, *Adjunct Assistant Professor of German and Russian Languages and Literatures*. A.B., Smith College, 1972; A.M., Brown Univ., 1973; Ph.D., *ibid.*, 1977. (1993)

ELLEN D. ROGERS, *Assistant Professional Specialist in the Graduate School*. B.S., Ball State Univ., 1977; M.S.B.A., Indiana Univ., South Bend, 1981; M.B.A., *ibid.*, 1989. (1993)

JAMES E. SCHRAGER, *Adjunct Instructor in Management*. B.A., Oakland Univ., 1971; M.B.A., Univ. of Colorado, 1975; C.P.A., State of Illinois, 1975; J.D., DePaul Univ., 1979. (1991)

WENDY SETTLE, *Adjunct Assistant Professor of Psychology*. B.S., Virginia Polytechnic Institute and State Univ., 1977; M.A., Univ. of Maryland, College Park, 1982; Ph.D., *ibid.*, 1990. (1990)

KATHRYN B. SEXTON, *Assistant Professional Specialist in the Center for Pastoral Liturgy*. B.A., Berea College, 1987; M.A., Univ. of Notre Dame, 1991. (1991)

\*HERBERT E. SIM, *Professor Emeritus of Finance and Business Economics*. B.S.S., City College of New York, 1947; A.M., New York Univ., 1950; Ph.D., Syracuse Univ., 1958. (1958)

\*RICHARD STEVENS, *Associate Professor Emeritus of Art, Art History and Design*. A.B., Univ. of Notre Dame, 1951; M.A., *ibid.*, 1952. (1955)

\*PETER W. THORNTON, *Professor Emeritus in the London Law Program*. A.B., Brooklyn College, 1939; J.D., Brooklyn Law School, 1941; LL.M., *ibid.*, 1969. (1976)

JADWIGA WARCHOL, *Faculty Fellow in Physics*. B.Sc., Univ. of Warsaw, Poland, 1962; M.Sc., *ibid.*, 1963; Ph.D., *ibid.*, 1969. (1984)

REV. CHARLES WEIHER, C.S.C., *Assistant Professor Emeritus of Philosophy*. B.S., Univ. of Notre Dame, 1942; M.A., *ibid.*, 1956; Ph.D., *ibid.*, 1969. (1956)

\*RICHARD D. WILLEMIN, *Associate Professor Emeritus of Chemical Engineering and Director Emeritus of the Reading and Study Skills Program, Center for Career and Placement Services*. A.B., Univ. of Notre Dame, 1942. (1953)

\*ERHARD M. WINKLER, *Professor Emeritus of Earth Sciences*. D.Sc., Univ. of Vienna, 1945. (1948)

\* Retired faculty who are no longer teaching.



## 252nd Graduate Council Minutes October 6, 1993

**Members present:** Nathan O. Hatch, chair; Harold W. Attridge; JoAnn DellaNeva; Peter Diffley; Gregory E. Dowd; Morton S. Fuchs; Kimberly A. Gray; Ethan T. Haimo; John W. Houghton; Jeffrey C. Kantor; Scott P. Mainwaring; Anthony N. Michel; Wilson D. Miscamble, C.S.C.; Thomas J. Mueller; Kathie E. Newman; Thomas L. Nowak; Sharon L. O'Brien; Andrew J. Sommese; Chris R. Vanden Bossche; Diane R. Wilson.

**Members absent and excused:** Francis J. Castellino, represented by Charles F. Kulpa Jr.; Rita P. Francis; John G. Keane; Robert C. Miller, represented by Maureen Gleason; James H. Powell; Barbara M. Turpin; John H. Van Engen.

**Guest:** Julia F. Knight.

**Observers:** Edward J. Conlon; Chau T.M. Le.

Prof. Nathan O. Hatch opened the meeting at 3:36 p.m. on October 6, 1993, in Room 210, Center for Continuing Education. He welcomed guest Julia Knight and the new members of the council: JoAnn DellaNeva, Gregory Dowd, Morton Fuchs, Thomas Mueller, Sharon O'Brien and Andrew Sommese, and he introduced a new observer, Edward Conlon, chair and professor of management in the College of Business Administration, who is also a member of the Academic Council's graduate studies committee.

Prof. Hatch made several remarks before taking up the formal agenda. Noting that the University's second round of program reviews will be finished this year, he said he asked Prof. Sommese to chair a committee to examine the review process to see how it might be improved. He invited interested members of the council to talk to him about serving on the committee and said he would expect the committee's work to include sampling departments internally for their evaluation of the review process and finding out what other universities do. In response to a question from Prof. Michel, Prof. Hatch said the next round of reviews probably would begin within two years.

He then made a few comments about the academic Honor Code, explaining that it applies specifically to undergraduate students and that graduate students are not subject to its provisions; graduate students who violate academic integrity are subject to different procedures. He observed that this issue was addressed by the Kantor committee in its review of the *Graduate Bulletin*. He said he intends to send a letter of clarification regarding this matter to the departments.

Prof. Hatch described the "academic counselor" program, a new and experimental program of the Graduate School to provide informal and personal assistance to graduate stu-

dents. He said the counselors will be Prof. Chau Le and Prof. Barbara Turpin. The intention is neither to provide academic advising nor to undercut the authority of the departments; it is, rather, to provide a confidential, nonthreatening resource for students who might have an academic problem difficult to address within their department. The program will be advertised through letters to the departments and notices in the GSU and *Graduate Fellowship Newsletters*.

Prof. Hatch announced that he has appointed an ad hoc committee of the Graduate Council to meet with him occasionally to brainstorm about issues which the council might address. Its members include JoAnn DellaNeva, Kimberly Gray, Ethan Haimo and Bill Miscamble. Looking ahead to future Graduate Council meetings, he said that later in the year, we might have the College of Business make a presentation on the prospects for a Ph.D. in business, and at another session we'll look at issues specific to women in the Graduate School. He said that at the November meeting he plans to report on the general state of the Graduate School. Commenting that we will have to coordinate Graduate Council efforts with the graduate studies committee of the Academic Council, he said that group's proposal to limit teaching of a full course by graduate students to ABDs probably should come before the Graduate Council.

Finally, he announced the appointment of Janice Poorman as a new assistant dean in the Graduate School and said her primary responsibilities would be in the area of graduate admissions and the recruiting and retention of students from underrepresented American ethnic groups.

### I. MINUTES OF THE 251st GRADUATE COUNCIL MEETING

The minutes were approved without correction.

### II. REPORT OF THE COMMITTEE FOR THE REVIEW OF THE GRADUATE BULLETIN

Before turning the floor over to Prof. Kantor, chair of the Committee for the Review of the *Graduate Bulletin*, Prof. Hatch thanked him and the other committee members for their work, including John Houghton, Julia Knight, Chau Le, Scott Mainwaring, Thomas Nowak, Chris VandenBossche and Diane Wilson.

Prof. Kantor said that the committee's charge was to review the Graduate School policies set forth in the academic information section of the *Bulletin*. The committee submitted to the Graduate Council a two-part report: The first describes a rationale for change and offers recommendations, and the second details proposed revisions of the *Bulletin*. Prof. Kantor said that at this meeting, the committee was asking for input and for approval to circulate its revisions for fur-

ther advice from outside the council. He made some brief comments about the committee's eight recommendations, and began by saying that the basic structure is sound. "Our practices are consistent with other universities," he said. "This is one of our most important conclusions." The first recommendation, therefore, is to retain the basic structure of residency, course work, examinations and thesis/dissertation for graduate degree requirements. However, the committee identified several problems in implementation, such as inconsistencies in how departments apply stated policies and in methods of advising and mentoring. The rest of the recommendations address these problems.

The second recommendation deals with credit-hour requirements, which in practice are determined by the departments. The recommendation acknowledges departmental authority to determine course work requirements and to define full- and part-time status. The course credit requirements were set back in the 1920s, Prof. Kantor said, and have been used for two purposes — financial accounting and academic accounting, but they are not useful for keeping track of progress. Recommendation 3 would raise the minimum grade point average required for academic good standing from 2.5 to 3.0, which would bring it in line with other universities. Having such a requirement is good, he said, because it establishes a standard for grades across the University.

Recommendation 4 deals with academic integrity. The committee determined that existing policies for undergraduate students and for faculty are not applicable to graduate students; the issues are different in graduate school. It recommends updating and describing departments' procedures for dealing with violations of academic integrity.

Harassment and student life policies are problematic and complex areas for the University, Prof. Kantor said, and in its fifth recommendation the committee suggests that these policies be removed from the *Bulletin*. Instead, the *Bulletin* should contain references to existing University policies published elsewhere. The topic of advising and mentoring currently receives only passing mention in the *Bulletin* and the committee recommends inserting language stipulating that a student should always have an adviser and that the adviser should be named early in a student's program. The committee offers a separate recommendation on who can be an adviser, Kantor said. The adviser must be from the regular teaching and research faculty; a co-director can be from another department's teaching and research faculty or from another institution. Exceptions should be subject to overview.

Other proposed changes include adding a November 1 deadline for admission in the spring semester; allowing all students to take a maximum of 12 credits a semester; changing the 10-credit allowance for 400-level courses to nine

credits, and eliminating minors. Finally, Prof. Kantor said, each department should have a guide to graduate studies which delineates specific departmental requirements. The guide should be updated annually and is subject to review by the Graduate School.

A long discussion followed about the credit-hour changes proposed in the second recommendation. Prof. Fuchs said it is inconceivable to him that a department could have zero credit-hour requirements. "If you would implement the third part of the recommendation [deleting the formal 30- and 72-credit-hour requirements from the *Bulletin*], we could have a department that has no course work requirement period. It doesn't make sense to me that a graduate student could come here and need no courses." Prof. Kantor responded that if a student could come in and pass the examinations, why not? The point is that courses should be taken as needed in preparation for rigorous examinations, which should be the real determinant of qualification for a degree. Prof. Nowak said that the chemistry department falls in that category. Each student is dealt with individually, and the different sub-areas determine which courses are required. Prof. Michel said it works in entire countries in Europe. Universities don't require formal course work but do have very rigorous exams, and a student would be well advised to take some courses, he said. Prof. VandenBossche said that if the committee set a minimum course credit requirement, it would be so low as to be meaningless; the current *Bulletin* requirement exists in lieu of department requirements. Prof. Sommese said that the mathematics department uses examinations; there should be no credit-hour requirements. Prof. Diffley asked how we would establish residency requirements. Prof. Attridge said he agrees with the reduction of the 72-hour requirement, but said that he also wondered how to establish a residency requirement. He also questioned the notion of transfer credits — why worry about transferring credits in if we're getting away from credit requirements and emphasizing instead examinations and dissertations? Could we eliminate this layer of paperwork? Prof. Hatch asked the committee to think about that. Prof. Mueller questioned the one-hour requirement to establish residency, and he also agreed that this recommendation would eliminate the need for transfer credits. Prof. Fuchs asked about the effect on tuition scholarship moneys now transferred to departments. Prof. Hatch said the practical effect might be to give departments more flexibility in allocating these dollars. Prof. Kantor said that it is important to disconnect financial accounting from credits. Prof. Michel said that Recommendation 8 (department guides to graduate studies) becomes very important. The Graduate School will have to come up with a structure which ensures certain standards, he said. Prof. Hatch agreed, saying it would be important for legal and other reasons; he also said it would increase the Graduate School's work in monitoring. Prof. Fuchs said he thought such guides were already being done, and Prof. Kantor responded that they exist in about two-

thirds of the departments; what's new is the requirement that every department must have one.

Prof. Kimberly Gray said if we're getting away from credit-hour requirements and the goal is to pass examinations, then why be concerned with the level of courses taken — for example, why is there a need for the recommendation to change the number of 400-level courses allowed from 10 credit hours to nine, she asked. Prof. Kantor replied that for departments which have course requirements, it's a tool for ensuring that quality standards are met. Prof. Gray asked if "400-level" might be replaced by "undergraduate," to allow departments to determine which courses are appropriate for their students.

A comment by Prof. Gray about the form the master's examination takes in her department led to some discussion about the variations which exist in master's examinations.

Prof. Hatch asked what the committee learned about credit requirements at other universities. Prof. Newman said that the elimination of credit requirements must be tied to written qualifying examinations. "We found that departments use these exams in different ways," Prof. Kantor replied. "We didn't conclude which model is better."

Prof. VandenBossche emphasized that the committee is proposing that course requirements be determined by departments, not that such requirements be eliminated.

Prof. Attridge turned the council's attention to the statute of eligibility in the report; he suggested simplifying the statute by limiting eligibility to eight years and eliminating any reference to five years. Prof. Fuchs said it should be a limit from the time of candidacy to when student gets the degree. Some sort of maximum by Graduate School would be appropriate, he said, and it should be clear that departments can make it as short as they please. Prof. Nowak said that the committee was concerned about people at the other extreme, taking the degree immediately after taking candidacy examinations.

Prof. Gray asked what the reader's signatures on the reader's form of a Ph.D. dissertation mean. Prof. Kantor said the committee tried to clean up that language to clarify that signing indicates the thesis is defensible. Prof. Attridge asked for clarification of the continuous enrollment requirement for admission to candidacy. Prof. Le said it means interruptions without approval; if a student has approval, then an interruption in enrollment does not count against the student. Prof. Attridge recommended looking at the language to make sure it is clear what is required. Also, he noted that references to "major" are not needed if we have eliminated majors and minors.

Regarding the recommendation on academic integrity, Prof. Dowd asked if departments need to take this on, or if it could be done in a general way by the Graduate School. Prof. Kantor responded that the main consideration in the committee's discussion was to have a policy which started in the department, because most things can be resolved there. An appeal of the department's decision would be to the Graduate School. Prof. Michel said he could see some potential problems, for instance if graduate and undergraduate students in the same course were involved in the same offense. Prof. Hatch said he did not see that it would be a problem for each to follow its own procedures.

Prof. Fuchs returned to the undergraduate credit requirement, asking if the reference to 400-level credits would be eliminated. Prof. Mainwaring said that the requirement might still be relevant. He added that we ought to think of the proposed changes as decentralization rather than the elimination of credits.

Prof. Attridge asked if the report's definition of full-time and part-time students is compatible with the credit requirement changes. Prof. Fuchs said he agrees in principle with raising the grade point average for good standing, but he asked what it might mean for particular students in particular situations. Prof. Le said that these are the rules to follow but exceptions can be made.

Prof. Kulpa said that another area of confusion is that of using outside faculty on students' committees. Prof. Kantor said that the *Bulletin* review committee tried to address that issue by requiring the outside faculty to be members of the teaching and research faculty; exceptions would require Graduate School approval. How many? Is there a limit? Prof. Kulpa asked. Prof. Kantor said that the committee didn't address that directly. Prof. Mueller asked if the outside institution referred to in Recommendation 7 could be a research laboratory. Prof. Fuchs said that his department has a special relationship with the South Bend Center for Medical Education and asked if an entire committee could be from the center. Prof. Kantor said no, the director could not be. The concern is maintaining the academic integrity of the Graduate School, he said. Prof. Hatch pointed out that the Radiation Laboratory also presents a special case, and Prof. Kantor responded that this requirement was formulated with the Radiation Laboratory in mind. Prof. Fuchs noted that the biology department's situation with the center might be different, and Prof. Hatch said this question might be further complicated by a proposal for a joint M.D.-Ph.D. program. Prof. Attridge said he thinks the principle is good and asked if a way around the requirement might be to give such people an appointment to the teaching and research faculty for the purpose of committee service; the important thing here is quality control over graduate education, he said.

Prof. Hatch brought discussion to a close by saying that the purpose today is not to answer all the questions but to raise the issues. The main thing is to approve a process, he said, and he asked for a motion. Prof. Haimo moved to send the document to the departments for consideration, so that chairs and graduate directors can look at it carefully. Prof. Attridge seconded. Prof. Nowak wanted to clarify that exceptions can be made, but that it is not a good idea to put the exceptions into the *Bulletin*. Prof. Hatch noted that final approval of the proposed changes will be needed from the Academic Council. The motion was approved by voice vote.

The meeting was adjourned at 4:52 p.m.

## University Committee on Libraries September 24, 1993

The meeting was called to order at 4 p.m. in the Office of the Director of Libraries by the chairman, W. Robert Scheidt. Also in attendance were Thomas Fehlner, John Halloran, Paula Higgins, James Kohn, Robert Miller, Marsha Stevenson, James Walton and secretary, Melodie Eiteljorge.

The minutes of the meeting of June 10 were approved with a correction.

Robert Scheidt welcomed the new members to the committee. There was then an election for chair for the 1993-94 academic year. Scheidt was elected for a second term.

Scheidt asked about the role of the Ad Hoc Committee on University Libraries which is being established as a result of Colloquy for the Year 2000. Robert Miller replied that the group will consider various library components and issues and submit a report by the end of the second semester for presentation to the Academic Council in the spring. They will look at the Graduate Council's review of the library, Association of Research Libraries (ARL) data and other appropriate documentation. Roger Schmitz, who will chair the ad hoc committee, has been sent a roster of University Committee on Libraries (UCL) membership.

Thomas Fehlner asked about the role of the University Committee on Libraries. Miller replied that historically the group has made policy decisions on such issues as the circulation of journals, penalties for delinquencies, confidentiality of patron records, major budget items, serials cancellations, strategies, etc. Marsha Stevenson, who is chairing the Libraries' Space Planning Task Force, noted that she will ask UCL to address some space issues within the next year. Miller added that he will ask the group to discuss a forthcoming report from the Committee on the Delivery of Electronic Information (CODEI). There will be some budget questions to discuss and also the possibility of putting some full text databases on the network.

Scheidt asked who is taking the lead with Gopher. Miller replied that the Office of University Computing is responsible for technological mechanisms and sometimes decides what should be included on Gopher. The library does provide input; Andy Boze is involved with both Gopher development and ND-INFO.

Miller gave the following updates:

The libraries are in the process of acquiring the library of A.A. Luce, editor of the standard biography of George Berkeley.

# DOCUMENTATION

The Library Advisory Council will meet on November 11 and 12, with an endowment dedication on November 11. An all-faculty reception is scheduled for September 28, 4-5:30 p.m. in the Hesburgh Library Penthouse. This is in conjunction with "Two Million and 30 Reasons to Celebrate."

A total renovation of the architecture building is tentatively scheduled to begin in January 1995. This will include an expansion of the library, with sound environmental conditions.

A major gift has been received for information technology; it will include an endowment portion.

There have been some administrative changes in the libraries. Sonja Jordan is now responsible exclusively for Preservation; Lou Jordan is the new head of Special Collections; and Marina Smyth has been appointed Medieval librarian.

The State University Library Automation Network (SULAN) is implementing PACLINK, which will link catalogs of institutions within Indiana. The second phase of this, PACLOAN, would enable patrons to initiate interlibrary loan requests from their terminals; however, there have been a number of problems with this. The libraries at Notre Dame are also investigating a local listserve for interlibrary loan requests, reference questions and suggestions.

The new business building, which is under construction, will include a fully electronic Business Information Center, staffed by the libraries.

In connection with the issue of space planning, Scheidt reported that, at a recent meeting to discuss a proposed science teaching lab facility, the possibility of a unified science building was raised. Miller noted that this is indicative of an ongoing problem: Issues are often raised that have library implications, yet there is no library involvement or communication.

Meetings were set for Tuesday, November 2, 12:30 p.m. (brown bag lunch), and Monday, January 10, 3 p.m. An agenda will be sent prior to the next meeting. There being no further business, the meeting adjourned at 5 p.m.

Respectfully submitted,

Melodie G. Eiteljorge  
Secretary

## University Libraries' Hours During Thanksgiving November 24-28, 1993

### HESBURGH LIBRARY

Date	Building	Public Services
Wednesday, Nov. 24	7:30 a.m.-2 a.m.	8 a.m.-5 p.m.
Thursday, Nov. 25	closed for Thanksgiving	
Friday, Nov. 26	7:30 a.m.-2 a.m.	8 a.m.-5 p.m.
Saturday, Nov. 27	9 a.m.-2 a.m.	9 a.m.-5 p.m.
Sunday, Nov. 28	all libraries return to regular schedules	

Branch libraries' hours vary, please call for specific hours:

Architecture	631-6654
Chemistry Physics	631-7203
Engineering	631-6665
Life Sciences	631-7209
Mathematics	631-7278

Check UNLOC (especially hours) for additional changes and updates.

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Current Publications and Other Scholarly Works

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

### COLLEGE OF ARTS AND LETTERS

#### Ambrosiana Collection

Gabriel, Astrik L.

A.L. Gabriel. 1993. An Unknown Illuminated Page from the Statutes of the Order of Saint Michael in the Ambrosiana Library in Milan. Page 22 in, F.R. Swietek and J.R. Sommerfeldt, eds., *Studiosorum Speculum: Studies in Honor of Louis J. Lekai, O. Cist. Cistercian Publications, Kalamazoo, Michigan.*

A.L. Gabriel, G. Constable and W.J. Courtenay. 1993. Memoirs of Fellows and Corresponding Fellows of the Medieval Academy of America - Karl Bosl. *Speculum* 68:935-936.

A.L. Gabriel, A. Gieysztor and P.O. Kristeller. 1993. Memoirs of Fellows and Corresponding Fellows of the Medieval Academy of America - Tibor Klaniczay. *Speculum* 68:936-937.

#### American Studies

Giampo, Benedict F.

B.F. Giampo. 1993. Take Two: Adapting the Contemporary American Novel to Film. B. Lupack, ed. Popular Press.

#### Anthropology

DaMatta, Roberto A.

R.A. DaMatta. 1993. Some Biased Remarks on Interpretivism: A View from Brazil. Pages 119-132 in, R. Borofsky, ed., *Assessing Cultural Anthropology.* McGraw-Hill, Inc.

#### Core Course

Kinsey, Marjorie S.

M.S. Kinsey. 1993. Entries on Boilly, Girodet, Gros, Delaroche, Lehmann, Schnoor von Carlsfeld, Winterhalter and Blake. Pages 43-45; 47-48; 50; 58-59; 61-62 in, *Drawings from the Reilly Collection. The Snite Museum of Art: The University of Notre Dame, Notre Dame, Indiana.*

M.S. Kinsey. 1993. Review of Alfred Sisley, M.A. Stevens, ed. *Nineteenth-Century French Studies* 22(1&2):278-279.

### Government and International Studies

Kommers, Donald P.

D.P. Kommers and P. Kirchhof, eds. 1993. *Germany and its Basic Law.* Nomos Publishing Company, Baden-Baden, Germany.

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McAdams, A. James

A.J. McAdams. 1993. Explaining Inter-German Cooperation in the 1980s. Pages 191-206 in, M. Huelshoff and A. Markovits, eds., *From Bundesrepublik to Deutschland.* University of Michigan Press, Ann Arbor, Michigan.

A. James McAdams. 1993. Inter-German Relations in Historical Perspective: The Risks of Biased Hindsight. Pages 365-380 in, G. Schmidt, ed., *Ost-West Beziehungen: Konfrontation und Détente, 1945-1989.* Brockmeyer, Bochum, Germany.

#### Program of Liberal Studies

Austern, Linda P.

L.P. Austern. 1993. Alluring the Auditorie to Effeminacie: Music and the Idea of the Feminine in Early Modern England. *Music and Letters* 74(3):343-354.

#### Sociology

Christiano, Kevin J.

K.J. Christiano. 1993. Review of The Protestant Experience in Gary, Indiana, 1906-1975: At Home in the City, by J.W. Lewis. *Journal for the Scientific Study of Religion* 32(3):297-298.

#### Theology

Coll, Regina A., CSJ

R.A. Coll, CSJ. 1993. Christianity and Feminism in Conversation. Twenty-Third Publication, Mystic, Connecticut.

Duffy, Regis A., OFM

R.A. Duffy, OFM. 1993. Review of Sacramental Theology, by H. Vorgrimler. *Theological Studies* 54(3):585-587.

McBrien, Richard P., Rev.

Rev. R.P. McBrien. 1993. John Paul II on Moral Theology: Teaching the Truth. *Christian Century* 110(29):1004-1005.

Rev. R.P. McBrien. 1993. The Future of the Church and its Ministries: Imperatives for the Twenty-First Century. *New Theology Review* 6(3):43-52.

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J.H. Neyrey, SJ. 1993. Review of What Are the Gospels? A Comparison with Greco-Roman Biography. Pages 361-363 in, *The Catholic Biblical Quarterly* 55. The Catholic Biblical Association of America, Washington, DC.

J.H. Neyrey, SJ. 1993. 2 Peter, Jude. The Anchor Bible Commentary. Doubleday, New York, New York.

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G.E. Sterling. 1993. Translations of Philo of Alexandria's De specialibus legibus. Pages 550-552, 581-588 in, C.D. Yonge, trans., D. Scholer, ed., *The Works of Philo*. Hendrickson Publishers, Peabody, Massachusetts.

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Kulpa, Charles F., Jr.

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Mossing, Michael C.

T. Madej and M.C. Mossing. 1993. Hamiltonians for Protein Tertiary Structure Prediction Based on Three-Dimensional Environment Principles. *Journal of Molecular Biology* 233:480-487.

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Fehlner, Thomas P.

See under Wolf, Eduardo E.; Chemical Engineering. 1993. *Chemistry of Materials* 5(9):1247-1252.

### Mathematics

Faybusovich, Leonid E.

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Sommese, Andrew J.

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Garg, Umesh

W. Reviol, U. Garg, I. Ahmad, A. Aprahamian, M.P. Carpenter, B.F. Davis, R.V.F. Janssens, T.L. Khoo, T. Lauritsen, Y. Liang, S. Naguleswaran, J.C. Walpe and D. Ye. 1993. Spectroscopy of  $^{96,97,98}\text{Rn}$ . *Nuclear Physics A* 557:391c.

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K. Ieki, D. Sackett, A. Galonsky, C.A. Bertulani, J.J. Kruse, W.G. Lynch, D.J. Morrissey, N.A. Orr, H. Schulz, B.M. Sherrill, A. Sustich, J.A. Winger, F. Deak, A. Horvath, A. Kiss, Z. Seres, J.J. Kolata, R.E. Warner and D.L. Humphrey. 1993. Coulomb Dissociation of  $^{11}\text{Li}$ . *Physical Review Letters* 70:730-734.

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Yang, Kwang-Tzu

G.B. Ross, K.-T. Yang, L.Y. Xiao and V.W. Nee. 1993. A Method of Heat Sink Selection Based on a New Correlation of Convective Thermal Resistances of Natural-Convection Cooled Commercial Extruded Heat Sinks. Pages 871-878 in, P.A. Engel and W.T. Chen, eds., Advances in Electronic Packaging, 1993. American Society of Mechanical Engineers, New York, New York.

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Wolf, Eduardo E.

Z. Kalenik, B. Ladna, E.E. Wolf and T.P. Fehlner. 1993. Single-Source Precursors of Structured Catalysts for the Hydrogenation of 1,3-Butadiene. *Chemistry of Materials* 5(9):1247-1252.

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Gray, William G.

S.M. Hassanizadeh and W.G. Gray. 1993. Thermodynamic Basis of Capillary Pressure in Porous Media. *Water Resources Research* 29(10):3389-3405.

Silliman, Stephen E.

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### Electrical Engineering

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# THE GRADUATE SCHOOL OFFICE OF RESEARCH

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## COLLEGE OF BUSINESS ADMINISTRATION

### Executive Programs Division

Bemenderfer, Todd M.

T.M. Bemenderfer. 1993. Continued Learning through the Executive Development Institute. *Facilities Manager-The Official Publication of APPA: The Association of Higher Education Facilities Officers* (Summer).

### Finance and Business Economics

Cosimano, Thomas F.

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### Management

Davis, James H.

J.H. Davis, K.F. Matta and R.C. Mayer. 1993. Making Quality Fit the Organization: Lessons from the Baldrige Award Winners. *Proceedings of the Association of Management* 11(1):74-79.

Goltz, Sonia M.

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## LAW SCHOOL

Fick, Barbara J.

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## RADIATION LABORATORY

Kamat, Prashant V.

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Patterson, Larry K.

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# THE GRADUATE SCHOOL OFFICE OF RESEARCH

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## Summary of Awards Received and Proposals Submitted

In the period September 1, 1993, through September 30, 1993

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	239,948	14	946,943	20	1,186,891
Facilities and Equipment	0	0	1	985,282	1	985,282
Instructional Programs	2	331,399	1	17,350	3	348,749
Service Programs	0	0	1	1,723	1	1,723
Other Programs	<u>0</u>	<u>0</u>	<u>14</u>	<u>207,056</u>	<u>14</u>	<u>207,056</u>
Total	8	571,347	31	2,158,354	39	2,729,701

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	721,007	18	2,865,080	22	3,586,087
Facilities and Equipment	2	72,000	2	999,382	4	1,071,382
Instructional Programs	1	35,349	1	48,092	2	83,441
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>47,033</u>	<u>1</u>	<u>47,033</u>
Total	7	828,356	22	3,959,587	29	4,787,943

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Awards Received

In the period September 1, 1993, through September 30, 1993

### AWARDS FOR RESEARCH

#### Aerospace and Mechanical Engineering

- Powers, J.  
Analysis of Confined Detonations  
NASA - Lewis Research Center  
\$32,000 24 months
- Skaar, S.  
Production Control System  
McDonald's Corporation  
\$18,000 6 months
- Nee, V.  
Vehicle Drag Reduction Project  
Fab-Glas Industries Inc.  
\$5,000
- Renaud, J., Batill, S.  
Neural Network Application to Structural Design  
CSA Engineering, Inc.  
\$29,406 5 months

#### Center for Bioengineering and Pollution Control

- Irvine, R.  
NSF-Halophile  
National Science Foundation  
\$103,651 24 months

#### Civil Engineering and Geological Sciences

- Spencer, B., Sain, M.  
Reliability and Safety of Controlled Structures  
National Science Foundation  
\$29,999 12 months
- Neal, C.  
Apollo 12 Mare Basalt Petrogenesis  
University of Tennessee at Knoxville  
\$10,000 4 months
- Gray, K.  
Evaluation of Drinking Water Treatment Processes  
Environmental Protection Agency  
\$30,000 24 months
- NSF Presidential Young Investigator  
National Science Foundation  
\$62,500 36 months

#### Chemical Engineering

- Wolf, E.  
Scanning Tunneling Microscopy Catalyst Deactivation  
North Atlantic Treaty Organization  
\$7,717 24 months

#### Computer Science and Engineering

- Lumsdaine, A.  
REU Supplement Request  
National Science Foundation  
\$5,000 48 months

#### Economics

- Howes, C.  
Faculty Fellowship  
Rutgers University  
\$22,000 4 months

#### Electrical Engineering

- Porod, W., Lent, C., et al.  
Quantum Cellular Automata  
Department of the Navy  
\$375,000 6 months
- McGinn, P.  
Critical Current Density in Melt Textured YBCO  
Purdue University  
\$129,948 48 months

#### Lobund Laboratory

- Pollard, M.  
Soybeans in the Prevention of Prostate Cancer  
Indiana Soybean Development Council  
\$69,575 14 months

#### Philosophy

- McInerny, R.  
Bradley Fellows Program  
Lynde & Harry Bradley Foundation  
\$35,000 12 months
- Kennedy, J.  
Foundation of Gauge Theory  
National Science Foundation  
\$56,595 12 months

#### Physics

- Blackstead, H.  
Studies of High-Temperature Superconductors  
Purdue University  
\$114,000 48 months
- Ruchti, R., Biswas, N., et al.  
High Rate Scintillating Fiber Tracking for SSC  
Purdue University  
\$2,500 18 months
- Ruggiero, S.  
Transport Properties of YBCO Thin Films  
Purdue University  
\$49,000 12 months

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## AWARDS FOR FACILITIES AND EQUIPMENT

### Aerospace and Mechanical Engineering

Renaud, J.  
Computervision - Strategic Academic Alliance  
Computervision  
\$985,282\* 12 months

## AWARDS FOR INSTRUCTIONAL PROGRAMS

### Aerospace and Mechanical Engineering

Batill, S.  
Aerospace Systems Design  
University Space Research Associates  
\$17,350 11 months

### Center for Bioengineering and Pollution Control

Irvine, R.  
GAANNP Scholarships in Environmental Engineering  
Department of Education  
\$192,135 12 months

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

Borelli, M.  
CANDAX McNair Project  
Department of Education  
\$139,264 12 months

## AWARDS FOR SERVICE PROGRAMS

### Center for Educational Opportunity

Blake-Smith, D., Smith, R.  
Upward Bound Project  
Indiana Department of Education  
\$1,723 12 months

## AWARDS FOR OTHER PROGRAMS

### Government and International Studies

Mainwaring, S.  
NAFSA Support for Graduate Student  
NAFSA/Association of International Educators  
\$10,000 10 months

\* Value-in-kind of lease fees

## Graduate School

Diffley, P.  
Jacob Javits Fellowship Program  
Department of Education  
\$37,744 12 months  
Jacob K. Javits Fellowship Program  
Department of Education  
\$36,551 12 months

### History

Meyerson, M.  
Christians, Muslims and Jews in Medieval and Early  
Modern Spain  
National Endowment for the Humanities  
\$25,060 15 months

### Medieval Institute

Jordan, M.  
Patrologia Latina Database  
ChadwyckHealey Inc.  
\$3,200 10 months

### Institute for International Peace Studies

Hayner, A.  
NAFSA B/EEP Grant for Helena Rozlivkova: Peace Studies  
(ISP)  
NAFSA/Association of International Educators  
\$11,400 10 months  
Baltic/East Central European Assistance Awards Program  
NAFSA/Association of International Educators  
\$10,950 10 months  
NAFSA B/EEP Grant for Delia Marincean in Peace Studies  
(MA)  
NAFSA/Association of International Educators  
\$10,000 10 months  
NAFSA B/EEP Grant for Mrse, Snjezana in Peace Studies  
(MA)  
NAFSA/Association of International Educators  
\$11,400 10 months  
NAFSA B/EEP Grant for Leesik, Meelis in Peace Studies  
(MA)  
NAFSA/Association of International Educators  
\$11,400 10 months  
NAFSA B/EEP Grant for Nikolina Kenig in Peace Studies  
(ISP)  
NAFSA/Association of International Educators  
\$11,400 10 months  
NAFSA/USIA REAP Grant for Lydia Skrynnikova in Peace  
Studies  
NAFSA/Association of International Educators  
\$10,000 10 months

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Philosophy

MacIntyre, A., Weithman, P.  
Conference on the Moral Philosophy of Alan Donagan  
National Endowment for the Humanities  
\$8,796 9 months

## Sociology

Hallinan, M.  
NAFSA Fellowship for Vladimir T. Khmelkov  
NAFSA/Association of International Educators  
\$9,155 10 months

## Proposals Submitted

In the period September 1, 1993, through September 30, 1993

### PROPOSALS FOR RESEARCH

#### Aerospace and Mechanical Engineering

Batill, S., Nelson, R.  
Aerodynamic Performance of Lateral Force Devices  
Department of the Navy  
\$44,097 10 months

Thomas, J.  
Measurement and Modeling of Bare Surface Reaction Kinetics  
Department of the Navy  
\$320,122 36 months

#### Biological Sciences

Eldon, E.  
18-Wheeler and Cell Signaling in Drosophila  
Department  
National Institutes of Health  
\$161,304 12 months

#### Civil Engineering and Geological Sciences

Pyrak-Nolte, L.  
Computer-Aided Visualization of Crack and Fracture Geometry  
Department of the Navy  
\$348,921 36 months

#### Chemical Engineering

McCready, M., Chang, H., et al.  
Study of Disturbances in Fluid-Fluid Flows  
NASA - Lewis Research Center  
\$151,306 12 months

Varma, A., McGinn, P.  
Combustion Synthesis Under Microgravity  
National Aero. Space Administration  
\$436,672 36 months

#### Chemistry and Biochemistry

Fehlner, T.  
Clusters as Substituents  
ACS Petroleum Research Fund  
\$7,235 3 months

Castellino, F.  
Blood Coagulation Protein-Metal Ion-Lipid Interactions  
National Institutes of Health  
\$314,521 12 months

Pasto, D.  
Photo-Induced Reactions of Sulfenates and Derivatives  
National Science Foundation  
\$451,149 36 months

Smith, B.  
Alfred P. Sloan Research Fellowship  
Sloan Foundation  
\$30,000 24 months

Artificial Metal Cation/Saccharide Cotransporters  
Research Corp.  
\$50,000 12 months

Photoresponsive Receptors and Catalysts  
ACS Petroleum Research Fund  
\$7,235 3 months

Keller, J.  
Studies of Kinematically Mass-Selected Neutral Clusters  
Department of the Navy  
\$390,926 36 months

Basu, S., Basu, M.  
Glycolipid Metabolism in Normal and Pathological Tissues  
National Institutes of Health  
\$204,535 12 months

#### Electrical Engineering

Bauer, P.  
High Speed Delta-Operator Discrete Time Systems  
Department of the Navy  
\$56,533 12 months

#### Mathematics

Shaw, M., Himonas, A.  
Partial Differential Equations and Several Complex Variables  
National Science Foundation  
\$190,480 36 months

Yin, H.  
Nonlinear Parabolic Equations and Applications  
National Science Foundation  
\$153,802 36 months

# THE GRADUATE SCHOOL OFFICE OF RESEARCH

## Philosophy

McInerny, R.  
Bradley Fellows Program  
Lynde & Harry Bradley Foundation  
\$50,645 12 months

## Physics

Glazier, J.  
Alfred P. Sloan Research Fellowship  
Sloan Foundation  
\$30,000 24 months

## Program of Liberal Studies

O'Boyle, C.  
Medical Education in Early Universities, 1200-1500  
National Institutes of Health  
\$54,417 12 months

## Psychology

Radvansky, G.  
Memory for Situation-Specific Information  
National Institutes of Health  
\$50,179 12 months

## Sociology

Glass, J.  
Employment, Job Conditions and Depression in New Mothers  
National Institutes of Health  
\$82,008 12 months

## PROPOSALS FOR FACILITIES AND EQUIPMENT

### Aerospace and Mechanical Engineering

Renaud, J.  
Computervision - Strategic Academic Alliance  
Computervision  
\$985,282 12 months

### Electrical Engineering

McGinn, P., Miller, A.  
Image Analysis System  
Purdue University  
\$48,000 12 months

## Physics

Blackstead, H.  
Microwave Dissipation in High Temperature Superconductors  
Purdue University  
\$24,000 12 months

Ruggiero, S.  
Far Infrared Responsivity of High-Tc Superconductor Devices  
Purdue University  
\$14,100 12 months

## PROPOSALS FOR INSTRUCTIONAL PROGRAMS

### Electrical Engineering

Costello, D.  
NSF REU Site Program  
National Science Foundation  
\$48,092 12 months

### Psychology

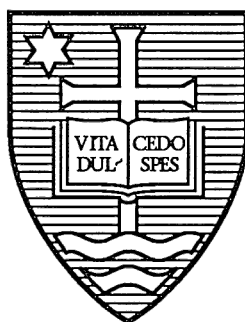
McCabe, S.  
Student Experiential Program with Homeless and Elderly  
Retirement Research Foundation  
\$35,349 12 months

## PROPOSALS FOR OTHER PROGRAMS

### College of Engineering

Vann-Hamilton, J.  
Pre-Freshman Enrichment Program  
Department of Energy  
\$47,033 24 months

\* Value-in-kind of lease fees



# NOTRE DAME REPORT

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