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# Notre Dame

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# R E P O R T

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February 28, 1992

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# The University

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## Carters to Receive Notre Dame Award

Former President Jimmy Carter and Rosalynn Carter have been named by the University as the inaugural recipients of the Notre Dame Award for international humanitarian service. The former president and first lady will receive an inscribed piece of crystal from the University and Mr. Carter will deliver a lecture, March 23.

Unlike the Laetare Medal, presented annually by Notre Dame since 1883 to American Catholics who are distinguished in their professions, the Notre Dame Award is international and interfaith in scope.

Jimmy Carter was graduated from the U.S. Naval Academy with a bachelor of science degree in 1946 and rose to the rank of lieutenant, senior grade. He left the Navy in 1953 and took over his father's farm and farm supplies business in Plains, Ga. Carter also became involved in community affairs and in 1962 was elected to the Georgia Senate. He waged his first gubernatorial campaign in 1966 and in 1971 became Georgia's 76th governor.

On December 12, 1974, Carter announced his candidacy for the Democratic presidential nomination, and despite beginning as a virtual unknown, went on to defeat President Ford in the 1976 election. Among his accomplishments in the White House were the Camp David accords establishing peace between Egypt and Israel, the Panama Canal treaties phasing out U.S. control over the waterway, and the establishing of diplomatic relations with the People's Republic of China. Throughout his term of office, he was an outspoken advocate of human rights, which he made an integral element of U.S. foreign policy.

Since leaving the presidency, Carter has continued to address world issues as a professor at Emory University in Atlanta and through numerous programs coordinated by the Carter Center. One of his top priorities has been Habitat for Humanity, which he serves both as a director and by pitching in with a hammer and saw on the organization's home-building projects for the needy in this country and abroad.

He also has been visible and effective in resolving conflicts around the world. He helped cool tensions in Nicaragua in 1990 by monitoring the national elections and assuring that the Sandinista government then in power had permitted a free and fair choice. A year earlier in Panama, he served in a similar role, and when he found the election to be a fraud, never flinched in saying so. He brought representatives in Ethiopia's 30-year civil war to the bargaining table in 1989, and he has worked for several years in an effort to bring stability to Haiti.

Like her husband, Rosalynn Carter has played an active role in serving the world. A 1946 graduate of Georgia Southwestern College, she works closely with the Mental Illness Foundation, the International Commission on Peace and the Food, and her own Institute for Human Development. In addition, she often is side-by-side with her husband building Habitat homes.

Both Carters already hold honorary degrees from Notre Dame. In 1977, then President Carter received an honorary doctor of laws degree and was the University's commencement speaker. In his speech, one of the major foreign policy addresses of his presidency, Carter talked of a diminishing threat from the Soviet Union. His thoughts were dismissed as naive at the time, but recent history has proved him prophetic.

Mrs. Carter received her honorary degree in 1987, but her association with the University dates to 1979, when she joined with Rev. Theodore M. Hesburgh, C.S.C., then Notre Dame's president, on the National Cambodia Crisis Committee. The group raised millions of dollars to battle mass starvation in that country and to assist refugees.

She currently serves on the advisory council of the Kellogg Institute for International Studies and last fall delivered a speech at the dedication of Notre Dame's Hesburgh Center for International Studies.

## Knight Foundation Gives Grant to Hesburgh Program in Public Service

Notre Dame has received a \$250,000 grant from Knight Foundation for the Hesburgh Program in Public Service. The Hesburgh Program is an interdisciplinary undergraduate concentration established in 1987. Under the direction of David C. Leege, professor of government and international studies, it offers courses taught by faculty from several academic departments, organizes lectures, discussions and debates on public policy issues, and sponsors student summer internships in local, state, federal, non-profit and private sector organizations which make or influence public policy.

Established in 1950 by John S. and James L. Knight, the Knight Foundation is one of the nation's largest private foundations. It makes national grants in journalism, higher education and the field of arts and culture. It also supports organizations in communities where the Knight brothers were involved in publishing newspapers but is wholly separate from and independent of those newspapers.

# The University

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## General Motors Awards Scholarships

Notre Dame's Minority Engineering Program has received \$10,000 in scholarship funds from the General Motors Minority Engineering and Science Scholarship Program. Two Notre Dame engineering students have been named recipients of the funds.

Mara Hooker, a sophomore chemical engineering major from New York, N.Y., and Curtis Maynes, a junior electrical engineering major from El Paso, Tex., each will receive \$5,000 awards.

The Notre Dame Program, which began in 1987, is a support resource designed to increase retention and graduation of minority students in the engineering curriculum. The G.M. scholarship program is a pilot program designed to increase the number and quality of minority students pursuing engineering and science degrees.

## Graduate Teaching Fellowships Established

Sixteen graduate teaching fellowships for the 1992-93 academic year will be awarded to Notre Dame doctoral students in the humanities and social sciences under a new program established by the Graduate School and the College of Arts and Letters.

Doctoral students receiving the new fellowships will teach one section of the Freshman Seminar each semester while working on their dissertations. Each fellowship will provide a tuition scholarship and a stipend of \$8,400. The new program will offer doctoral students valuable experience in organizing and teaching a course while promoting novel and imaginative approaches to the teaching of freshmen.

## GEM Receives Broadcast Award

The National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM) was honored as the Business Communication Magazine "Best Directed Broadcast Satellite Production over \$10,000" at the 10th annual TeleCon Awards Dinner for its 1990 production "Why Graduate School?" The nationwide Teleconference on graduate education was produced by GEM and NAK Production and broadcast over PBS.

## Sesquicentennial Poetry Contest Winners Announced

Winners of the Notre Dame Sesquicentennial Year Poetry Contest have been announced by the English Department. The contest's winner, for the poem "Walker Mountain," is 1952 alumnus John Engels. Two others received Judges' Special Citations: 1986 alumna Heather Eileen O'Shea, for the poem "The Ladies on Lettice;" and 1984 alumnus Michael Barrett, for the poem "Buildings."

The winning poems were selected from more than 100 entries to the Sesquicentennial Year Poetry Contest, which was sponsored by the Sesquicentennial Year and administered by the English Department. The three judges, all members of the English Department's graduate creative writing program were Sonia Gernes, John Matthias and William O'Rourke. The contest was open to alumni of the University, as well as current students and staff and present and former faculty members.

Engels, following his graduation from Notre Dame, served four years in the U.S. Navy, studied Anglo-Irish literature at University College, Dublin, and received his M.F.A. at the University of Iowa in 1957. A member of the English Department at St. Michael's College in Colchester, Vt., since 1962, Engels is the author of writing texts, scholarly and critical studies of William Carlos Williams, and seven volumes of poetry. A new volume is scheduled to be published this year.

Engels became a Pulitzer Prize finalist for "Weather-Fear: New & Selected Poets, 1968-1982," and he received a National Poetry Series award for "Cardinals in the Ice Age" (1987). Widely anthologized, his work has earned him two Pushcart Prizes, as well as fellowships and residencies from the Bread Loaf Writers' Conference the Guggenheim Foundation, the National Endowment for the Arts, the Tyrone Guthrie Center and the Rockefeller Foundation.

Barrett is a doctoral student in the writing program of the University of Illinois at Chicago, Circle, editor of the Chicago magazine, "Wire," and currently working on a poetry collection titled, "Babylons and Other Poems."

O'Shea is enrolled in the writing program of the University of New Mexico in Albuquerque and is finishing a collection of poems titled, "Walking Home the Long Way."

# Faculty Notes

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## Honors

**Robert C. Johansen**, senior fellow in the Kroc Institute for International Peace Studies and professor of government and international studies, has been awarded a Lilly Endowment Faculty Open Fellowship for 1992-93 to study the impact of world religions on the prospects for peace in an evolving world order.

**Douglas W. Kmiec**, professor of law, received the "academic writer of the year" award from the Indiana Policy Review Foundation, an Indianapolis-based research organization dedicated to the analysis of public policy at all levels of government. He has written numerous papers and essays for the foundation concerning Supreme Court developments, constitutional law and family policy.

**David C. Leege**, professor of government and international studies and director of the Hesburgh Program in Public Service, has been named chair of the 1992 Presidential Election Study by the Board of Overseers of the American National Election Studies. Since 1952 NES, supported by the National Science Foundation, has been the principal survey data source for understanding American presidential and congressional elections. Leege currently chairs the NES 1990-91-92 Panel Study of the Effects of War on the American Electorate.

**Guillermo O'Donnell**, academic director of the Kellogg Institute and Kellogg professor of government and international studies and sociology, has been appointed a member of the International Advisory Board of the *Journal of Latin American Studies* published by Cambridge University Press.

**Robert M. Slabey**, associate professor of English, has been awarded the 1992-93 Skaggs Foundation Faculty Fellowship in the College of Arts and Letters. The fellowship, supported by a grant from the L.J. Skaggs and Mary C. Skaggs Foundation, supports a yearlong leave of absence for research or teaching for arts and letters faculty who have been tenured at least 10 years. Slabey will engage in a three-part project: First, he will study the cultural and humanistic aspects of the Vietnam War in the Context of American wars since the Civil War. Next, he will write essays on films, oral histories and narratives of return from Vietnam. And finally, he will begin organizing an international conference for the spring of 1993 titled "America and Vietnam: From War to Peace."

## Activities

**Craig Adock**, professor of art, art history and design, presented "California Light and Space: The Perceptual Activity of Postmodernism" at the Chicago Art History Colloquia at the University of Illinois in Chicago, Ill., Jan. 22.

**Nadia M. Alhasani**, assistant professor of architecture, presented a paper "Reflections of Two Cultures: The Separating Wall as a Signifier" at the 10th annual ACSA Technology Conference "Making Environments: Technology and Design" at the University of California in San Diego, Calif., Feb. 6-8.

**Ani Aprahamian**, assistant professor of physics, presented a seminar on "Vibrations in Deformed Nuclei" at Florida State University in Tallahassee, Fla., Jan. 17. She presented a seminar on "Vibrational States of Deformed Nuclei" at the University of Pittsburgh in Pittsburgh, Pa., Jan. 20.

**Rev. Nicholas R. Ayo, C.S.C.**, associate professor in the Program of Liberal Studies, gave a presentation on the Lord's Prayer at the Sunnyside Presbyterian Church in South Bend, Ind., Feb. 4.

**Stephen M. Batill**, associate professor of aerospace and mechanical engineering, presented a paper titled "System Design from Mission Definition to Flight Validation" at the 1992 Aerospace Design Conference held in Irvine, Calif., Feb. 3-6.

**Joseph Blenkinsopp**, O'Brien professor of theology, served as co-translator with other members of the Catholic Biblical Association of the revised Psalms of the *New American Bible*.

**Gerald L. Bruns**, White professor of English, gave the lecture "The Relevance of Chance: John Cage at the Crossroads of Ethical Theory" at the event on John Cage at Stanford: A Celebration of His Eightieth Birthday at Stanford University in Stanford, Calif., Jan. 28-Feb. 1.

**Bruce A. Bunker**, associate professor of physics, presented the physics colloquium "Exploring the Microstructure of Semiconductor Alloys and Interfaces with X-Ray Absorption Spectroscopy" at Northwestern University in Evanston, Ill., Jan. 29.

**Hsueh-Chia Chang**, chairman and professor of chemical engineering, presented an invited department seminar titled "Pattern Formation in a Multi-phase Flow System" at the Chemical and Biochemical Engineering Department at the University of Iowa in Iowa City, Iowa, Feb. 6.

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Leonard F. Chrobot, adjunct professor of sociology, chaired a panel discussion on "Polish Americans and Inter-Group Relations" at the 50th annual convention of the Polish American Historical Association in Chicago, Ill., Dec. 30.

George B. Craig Jr., Clark professor of biological sciences, presented a seminar titled "Rapid Evolution of the Asian Tiger Mosquito, *Aedes albopictus*, in the Americas" at the University of Illinois and Illinois Natural History Survey in Champaign, Ill., Jan. 29-31.

Malcolm J. Fraser Jr., associate professor of biological sciences, made a presentation in the poster session at the Keystone symposium on "Molecular Mechanisms in DNA Replication and Recombination" in Taos, N. Mex., Jan. 25-Feb. 1.

Gregory I. Gellene, assistant professor of chemistry and biochemistry, presented an invited lecture titled "Symmetry Constraints in Biomolecular Reactions: A New Kinetic Isotope Effect: at Texas Tech University in Lubbock, Tex., Feb. 3. He presented that same talk at Case Western University in Cleveland, Ohio, Feb. 13.

David S. Hachen, associate professor of sociology, presented a paper titled "Mobility Regimes in the United States and Canada: A Comparative Project on Class Structure and Class Consciousness in Granada, Spain, July 23-26. He was the discussant for the session on Unemployment and Work Transition at the American Sociological Association meetings which were held in Cincinnati, Ohio, Aug. 23-27. He reviewed grant proposals in the social and behavior sciences as member of the Texas High Education Coordinating Board's Advance Research Program Review Panel in Austin, Tex., Sept. 14-15.

Theresa Koernke, I.H.M., visiting assistant professor of theology, presented "Hermeneutics and Liturgical Formation" at the meeting of the North American Academy of Liturgy at Georgetown University in Washington, D.C., Jan. 3. She presented "Theology and Practice of Sacraments of Initiation" for the Department of Theology at St. Mary Seminary in Orchard Lake, Mich., Jan. 11, 18, 25.

David C. Leege, professor of government and international studies and director of the Hesburgh Program in Public Service, summarized a paper on secularization and cultural adaptation in the Catholic Church in the United States to a visiting delegation of German bishops and scholars at Notre Dame, Ind., Sept. 17. He delivered a paper titled "The Public Dimension of Private Devotionalism" and chaired two workshops on the effects of religion on politics at the 1991 annual meeting of the Society for the Scientific Study of Religion in Pittsburgh, Pa., Nov. 8-10.

Catherine Mowry LaCugna, associate professor of theology, presented the Theological Studies Seminar "The Emergence and Defeat of Doctrine" at the University of Notre Dame, Notre Dame, Ind., Feb. 19.

David M. Lodge, assistant professor of biological sciences, presented the seminar titled "Causes and Consequences of Crayfish Invasions in Northern Wisconsin" at Michigan State University in East Lansing, Mich., Jan. 29.

Ralph M. McInerney, Grace professor of Medieval Studies and director of the Maritain Center and professor of philosophy, presented "Are There Moral Truths That Everyone Knows?" at the Goodrich Lecture Series at Wabash College in Crawfordsville, Ind., Jan. 27. He gave the keynote address "Literature and the Mystery Novel" to Catholic Library Association in Pittsburgh, Pa., Feb. 1.

Kevin M. Misiewicz, assistant chairman and associate professor of accountancy, gave the presentation "Issues Taxing Women" to the Ladies of Notre Dame and Saint Mary's at Notre Dame, Ind., Nov. 12. He gave the presentation "Improving Your Serve" at the national conference of the National Association of Students at Catholic Colleges and Universities at Notre Dame, Ind., Feb. 1. He presented "Communication in Matrimony" at a Day of Recollection for Married Couples at Sacred Heart Parish in Warsaw, Ind., Feb. 2.

Rev. Thomas O'Meara, O.P., Warren professor of theology, presented an "Aquinas Lecture" at the University of Utah Newman Center in Salt Lake City, Utah, Dec. 8.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, presented a paper titled "Reaction Zone Structure of Weak Underdriven Oblique Detonations" with Keith A. Gonthier at the 30th Aerospace Sciences Meeting in Reno, Nev., Jan. 6-9. He presented an invited seminar titled "Error Estimation in Numerical and Asymptotic Solutions for Reacting Flows" at the University of Iowa Department of Mechanical Engineering in Iowa City, Iowa, Feb. 6.

Irwin Press, professor of anthropology, served as a discussant for a session titled "Whither the Core: Urban Anthropology in the '90s" at the annual meeting of the American Anthropological Association in Chicago, Ill., Nov. 23.

Robert P. Schmuhl, associate professor of American studies, discussed "Presidential Politics" on the program "Extension 720" on WGN in Chicago, Ill., Jan. 20.

# Faculty Notes

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**James H. Seckinger**, director of the National Institute for Trial Advocacy and professor of law, gave a presentation on NITA Programs and the NITA Teaching Techniques at a luncheon for major law firms in San Francisco, Calif., Jan. 7. He served as a faculty member for the NITA Mid-Atlantic Deposition Program at the Temple University School of Law in Philadelphia, Pa., Jan. 8. He gave a lecture to the faculty on Effective Teaching Techniques. He was a faculty member for the NITA Case Western Deposition Program at the Case Western University School of Law in Cleveland, Ohio, Jan. 9-10. He gave a lecture to the faculty on Effective Teaching Techniques. Seckinger served as program coordinator and a faculty member for the NITA/Tory Tory DesLauriers & Binnington Law Firm Witness Examination Program in Toronto, Canada, Jan. 23-24. He lectured to the faculty on Effective Teaching Techniques.

**Thomas L. Shaffer**, Short professor of law, gave a critical book discussion paper during the annual meeting of the Society of Christian Ethics in Philadelphia, Pa., Jan. 10-12. He led a law-faculty training session on teaching legal ethics at Mercer University in Macon, Ga., Jan. 16.

**Mei-Chi Shaw**, associate professor of mathematics, gave an invited colloquium talk titled "Local Solvability and Estimates for the Tangential Cauchy-Riemann Operators" at the Department of Mathematics at Purdue University in West Lafayette, Ind., Jan. 28.

**Roger B. Skurski**, associate dean of arts and letters, director of the Center for the Study of Contemporary Society and professor of economics, represented Notre Dame on a study tour of Poland with 10 Midwest colleges and universities sponsored by the U.S. Department of Education to initiate and expand exchange opportunities between Polish and U.S. universities, June 11-24. Meetings were held at Warsaw University, Marie Curie Sklodowska University (Lublin), Catholic University of Lublin, Jagiellonian University (Krakow), University of Poznan and the University of Gdansk. As a result, a Polish Economist from Gdansk University lectured and met with faculty at Notre Dame, Ind., Jan. 14-15. Skurski organized and chaired the panel "Age-Earning Profiles and the Special Cases of Younger Persons" at the annual meeting of Allied Social Science Association in New Orleans, La., Jan. 4.

**J. Eric Smithburn**, professor of law, served as faculty coordinator and presented lectures on current evidentiary issues in child sexual abuse cases and the Hague Convention and International Child Abduction Remedies Act at the one-week National Judicial College course titled "Current Issues in Family Law" presented to approximately 50 trial court judges from the United States and abroad in Orlando, Fla., Jan. 19-24.

**Stephen C. Tegler**, assistant faculty fellow in physics, was a guest observer aboard the NASA Gerard P. Kuiper Airborne Observatory (KAO), Dec. 23. The KAO is a C-141 aircraft modified to carry a 0.9-meter telescope to 41,000 feet for astronomical observations above the atmosphere of the earth. The data resulting from the observations will provide information on the abundance of frozen methanol and water in pre-cometary disks around pre-main-sequence stars.

**Arvind Varma**, Schmitt professor of chemical engineering, presented an invited graduate seminar titled "Combustion Synthesis of Advanced Materials" at the Department of Chemical Engineering at the University of Wisconsin in Madison, Wis., Jan. 29.

**Todd Whitmore**, assistant professor of theology, delivered the paper "God and the Meaning of Revelation: The Importance of Disequilibrium in H. Richard Niebuhr" at the annual meeting of the American Academy of Religion in Kansas City, Mo., Nov. 19. He delivered the paper "From Moral Theology to Christian Practical Reason: The Changing Task of Catholic Ethics" at the annual meeting of the Society of Christian Ethics in Philadelphia, Pa., Jan. 13.

**Ewa Ziarek**, assistant professor of English, presented the paper "Trial and Tribulations: Reconceiving Narrative Voice with Kathy Acker and Julia Kristeva" at the 1991 MLA Convention in San Francisco, Calif., Dec. 27.

# Administrators' Notes

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## Appointments

Jeanine A. Van Es has been appointed assistant director of the Annual Fund. A South Bend native, she has worked in several areas of the development office during the last 10 years, most recently as administrative assistant for the Annual Fund. Her new responsibilities will include production and layout of Annual Fund mailings and management of its Corporate Agent and Matching Gift programs.

Kathleen M. Webb has been appointed assistant director of the Annual Fund. A 1991 Notre Dame graduate with a major in anthropology, she has worked as a student assistant in the development office and as a resident assistant in Badin Hall. As assistant director of the Annual Fund she will be responsible for management and operation of the development office phone center and for expansion of the Reunion Giving and Annual Fund Challenge programs.

## Honors

Steven C. Warner, associate director of campus ministry and director of the Notre Dame Folk Choir, has been chosen guest director for the Irish Church Music Association's 1992 Study Week to be held at Maynooth College in Dublin, Ireland, July 6-10.

## Activities

Howard G. Adams, executive director of the GEM Program, presented a workshop titled "Expanding Access and Choice for Minority Students to Graduate Education: What is the Faculty's Role in Recruiting and Retaining Students?" to the College of Engineering Faculty at the University of Michigan as a part of the university-wide observation of Dr. Martin Luther King Jr. Day in Ann Arbor, Mich., Jan. 20. He was a faculty member for the Council for Advancement and Support of Education (CASE) Conference on "Recruiting the Graduate Student" in Philadelphia, Pa., Feb. 6. He presented a seminar on "Annual Planning for Effective Program Management" at the annual conference of the National Association of Minority Engineering Program Administrators in New Orleans, La., Feb. 9.

Michael Langthorne, associate director of Educational Media, was invited to review the multimedia initiative of the Wharton School of the University of Pennsylvania in Philadelphia, Pa., Jan. 24.

Timothy Truesdell, director of Development Research, presented the paper "Ethical Issues in Research" to the annual winter conference of the American Prospect Research Association in Orlando, Fla., Feb. 13.

# The Graduate School Research Division

## Current Publications and Other Scholarly Works

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

### COLLEGE OF ARTS AND LETTERS

#### Anthropology

Gaffney, Patrick D., C.S.C.

P.D. Gaffney, C.S.C. 1992. Divine Claims to Real Estate Must Be Settled with Justice. *National Catholic Reporter* 28(12):16.

P.D. Gaffney, C.S.C. 1991. Review of the Politics of Piety: The Ottoman Ulema in the Post-Classical Age (1600-1800), by Madeline C. Zilfi. *Religious Studies Review* 17(1):85.

P.D. Gaffney, C.S.C. 1991. Review of Muslim Preacher in the Modern World: A Jordanian Case Study in Comparative Perspective, by Richard T. Antoun. *International Journal of Middle Eastern Studies* 23(4):634-636.

#### Core Course

Neiman, Alven M.

A.M. Neiman. 1992. Language, Analysis and Indoctrination. Pages 259-263 in, M. Buchmann and R. Floden, eds., *Philosophy of Education 1991. The Philosophy of Education Society, Normal, Illinois*.

#### Economics

Craypo, Charles

C. Craypo. 1991. Umstrukturierung in einer nordamerikanischen Industriestadt (Industrial Restructuring in a North American Factory Town). Pages 281-291 in, G. Bosch and H. Neumann, eds., *Beschäftigungsplan und Beschäftigungsgesellschaft*. Bund-Verlag, Köln, Germany.

Dutt, Amitava K.

A.K. Dutt. 1992. Two Issues in the State of Development Economics. Pages 1-34 in, A.K. Dutt and K.P. Jameson, eds., *New Directions in Development Economics*. Edward Elgar, Aldershot, United Kingdom.

A.K. Dutt and K.P. Jameson. 1992. Introduction. Pages xiii-xvi in, A.K. Dutt and K.P. Jameson, eds., *New Directions in Development Economics*. Edward Elgar, Aldershot, United Kingdom.

A.K. Dutt. 1991. Expectations and Equilibrium: Implications for Keynes, the Neo-Ricardian Keynesians, and the Post Keynesians. *Journal of Post Keynesian Economics* 14(2):205-224.

Howes, Candace

C. Howes. 1991. The Benefits of Youth: The Role of Japanese Fringe Benefit Policies in the Restructuring of the U.S. Motor Vehicle Industry. *International Contributions to Labour Studies* 1:113-132.

#### English

Brogan, Jacqueline V.

J.V. Brogan. 1991. Ethical Interpretations and/or Legalistic Definitions of "Justice." *Cardozo Law Review* 13(4):1195-1205.

Fox, Christopher B.

C.B. Fox. 1991. Pope, Perhaps, and Sextus: Skeptical Modes in Moral Essay 1. *English Language Notes* 29:37-48.

C.B. Fox. 1990. *Teaching Eighteenth-Century Poetry*. AMS Studies in the Eighteenth Century, New York, New York. xix + 435 pp.

Vasta, Edward

E. Vasta. 1991. Review of Chaucer Reads Divine Comedy, by Karla Taylor Stanford: Stanford UP, 1989. *Annali d'Italica* 9(1991):344-348.

#### Government and International Studies

Dowty, Alan K.

A.K. Dowty. 1991. Minority Rights, Jewish Political Traditions, and Zionism. *Shofar* 10(1):23-48.

Emery, Kent, Jr.

K. Emery, Jr. 1991. *Dionysii Cartusienensis Opera Selecta. Tomus 1 (Prolegomena)*. Bibliotheca Manuscripta 1A-1B: Studia Bibliographica. Vols. 121-121A of Corpus Christianorum Continuatio Mediaevalis. Brepols, Turnhout, Belgium. 2 Volumes, 884 Pages, with 16 Plates, 4 in Color.

#### Theology

Cunningham, Lawrence S.

L.S. Cunningham. 1992. Review of The Truing of Christianity, by John Meagher. *The New Catholic World* January/February:32.

L.S. Cunningham. 1991. Leaders and Liberation: Religious Booknotes. *Commonweal* 118(Nov. 22):699-702.

Ulrich, Eugene C.

E.C. Ulrich. 1991. Access to the Dead Sea Scrolls. *Access* 47:1,3-4.

E.C. Ulrich. 1992. The Canonical Process, Textual Criticism, and Latter Stages in the Composition of the Bible. Pages 267-291 in, M. Fishbane, E. Tov., and W.W. Fields, eds., *Sha'arei Talmon: Studies in the Bible, Qumran, and the Ancient Near East Presented to Shemaryahu Talmon*. Eisenbrauns, Winona Lake, Indiana.

# The Graduate School Research Division

Yoder, John H.

- J.H. Yoder. 1991. Thinking Theologically from a Free-Church Perspective. Pages 251-265 in, J.D. Woodbridge and T.E. McComiskey, eds., *Doing Theology in Today's World: Essays in Honor of Kenneth S. Kantzer*. Zondervan, Grand Rapids, Michigan.

## COLLEGE OF SCIENCE

### Chemistry and Biochemistry

George, Manapurathu V.

- See under RADIATION LABORATORY; Kamat, Prashant V. 1992. *Journal of Physical Chemistry* 96:195-199.

Pasto, Daniel J.

- D.J. Pasto and K.D. Sugi. 1992. Stereochemical Features of the (2+2) Cycloaddition Reactions of Chiral Allenes. 3. The Cycloaddition of Enantioenriched 1,3-Dimethylallene with the Symmetrically 1,1-Disubstituted Alkenes 1,1-Dichloro-2,2-difluoroethene and 1,1-Diphenylethene. *Journal of Organic Chemistry* 57:12-17.

Scheidt, W. Robert

- W.R. Scheidt and K. Hatano. 1991. Structure of (Cyano)(2,3,7,8,12,13,17,18-octaethylporphinato)(pyridine)iron(III) Chloroform Solvate. *Acta Crystallographica* C47:2201-2203.

Thomas, J. Kerry

- R. Krasnansky, S. Yamamura, J.K. Thomas and R. Dellaguardia. 1991. Photoproduction of Gold Colloids and Films. *Langmuir* 7:2881-2886.

### Mathematics

Beltrametti, Mauro C.

- M.C. Beltrametti and A.J. Sommes. 1991. Problems in the Theory of Surfaces and Their Classification. *Symposia Mathematica* 32:31-47.

Hu, Bei

- B. Hu. 1991. Diffusion of Penetrant in a Polymer: A Free Boundary Problem. *SIAM Journal on Mathematical Analysis* 22(4):934-956.

- A. Friedman and B. Hu. 1991. A Free Boundary Problem Arising in Electrophotography. *Nonlinear Analysis: Theory, Method and Application* 16(9):729-758.

Sommese, Andrew J.

- See under Beltrametti, Mauro C. 1991. *Symposia Mathematica* 32:31-47.

### Physics

Darden, Sperry E.

- H.D. Choi, C.O. Blyth, S.J. Hall, O. Karban, G. Kuburas, S. Roman, G. Tungate, N.J. Davis, A.C. Shotter, K.A. Connell and S.E. Darden. 1991. Tidal Symmetry in Scattering of Polarized  $^{23}\text{Na}$  from  $^{208}\text{Pb}$ . *Nuclear Physics A* 529:190-208.

- R.M. Prior, S.E. Darden, K.R. Nyga and H.P. Gen. Schieck. 1991. States of  $^{25}\text{Al}$  between 6 and 8 MeV. *Nuclear Physics A* 533:411-427.

- See under Kolata, James J. 1990. *Nuclear Physics A* 516:416-428.

Funk, Emerson G., Jr.

- See under Garg, Umesh. 1992. *Physical Review C* 45(1):103-122.

Garg, Umesh

- R. Kaczarowski, U. Garg, E.G. Funk, J.W. Mihelich. 1992. High Spin States in  $^{181}\text{Ir}$  and Backbending Phenomena in the Os-Pt Region. *Physical Review C* 45(1):103-122.

Kolata, James J.

- R.E. Warner, K.M. Berland, W.F. Rulla, D.A. Francis, J.J. Kolata, Z. Ayer, S.E. Darden, X.J. Kong, G. Liu, A. Morsad, S. McGimpsey, A.A. Rollefson, A. Galonsky, A. Nadasen, J.S. Winfeld and F.D. Becchetti. 1990. Total Nuclear Reaction Probabilities and Average Cross Sections for 16 to 23 MeV  $^6\text{Li}$  in Silicon. *Nuclear Physics A* 516:416-428.

Mihelich, John. W.

- See under Garg, Umesh. 1992. *Physical Review C* 45(1):103-122.

Ruggiero, Steven T.

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### Management

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## RADIATION LABORATORY

Ferraudi, Guillermo J.

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# The Graduate School Research Division

## Awards Received and Proposals Submitted

### AWARDS RECEIVED

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

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	11	5,475,885	8	423,769	19	5,899,654
Facilities and Equipment	0	0	2	26,171	2	26,171
Instructional Programs	0	0	2	87,840	2	87,840
Service Programs	0	0	15	54,289	15	54,289
Other Programs	0	0	0	0	0	0
Total	11	5,475,885	27	592,069	38	6,067,954

### PROPOSALS SUBMITTED

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

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	888,805	39	8,391,256	49	9,280,061
Facilities and Equipment	0	0	6	400,670	6	400,670
Instructional Programs	0	0	4	306,500	4	306,500
Service Programs	0	0	0	0	0	0
Other Programs	0	0	3	958,157	3	958,157
Total	10	888,805	52	10,056,583	62	10,945,388

## Awards Received

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

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Awards For Research				
Aerospace and Mechanical Eng.	Atassi	Hydrodynamics and Acoustics in Nonuniform Flow	Department of the Navy	94,064 12
Aerospace and Mechanical Eng.	Atassi	Aerodynamics and Aeroacoustics of Nonuniform Flows	NASA - Lewis Research Center	63,994 12
Anthropology	Schurr, Bellis	Test Excavation-Rockshelter Site-Hoosier National Forest	U.S. Forest Service	4,563 9

## The Graduate School Research Division

Biological Sciences	Saz	Intermediary Metabolism of Helminths	National Institute of Health	224,368 12
Biological Sciences	Craig	Vector Competence for LaCrosse Virus in <i>Aedes</i>	National Institute of Health	327,613 24
Biological Sciences	Fraser	Transposon Multagenesis of NPV	National Institute of Health	101,431 12
Civil Eng. and Geological Sciences	Bierman	Model for Toxic Chemical in Green Bay	Environmental Protection Agency	81,306 12
Civil Eng. and Geological Science	Westerink	Circulation Computations	University of North Carolina	46,588 24
Chemistry and Biochemistry	Helequist	New Methods in Organometallic and Synthetic Organic Chemistry	National Science Foundation	71,000 36
Electrical Engineering	McGinn	Closed Cycle Refrigeration System	Purdue University	12,500 12
Electrical Engineering	Bernstein, Bandyopadhyay	Interconnections in ULSI: Correlation and Crosstalk	Department of the Navy	100,000 24
Electrical Engineering	Huang, Liu	Music and Espirit for Array Signal Processing	Department of the Navy	95,529 22
Electrical Engineering	McGinn	ICIST Center Operations	Purdue University	40,000 12
History	Gleason	History of Catholic Higher Education in the U.S.: 1880 to 1962	Lilly Endowment, Inc.	47,575 12
Physics	Tegler, Jones	Relative Abundance of Ices in Disks	NASA - Ames Research Center	22,950 12
Physics	Tomasch, Furdyna	Magneto Dissipation in Superconductors	Purdue University	5,125 12
Physics	Newman	Studies of Ordering in Ternary and Multinary Semiconductors	Department of the Navy	59,973 24
Physics	Furdyna	II-VI Semiconductors (NSF/MRG)	Purdue University	136,075 24
Radiation Laboratory	Schuler	Effects of Radiation on Matter	Department of Energy	4,365,000 12

### AWARDS FOR FACILITIES AND EQUIPMENT

Electrical Engineering	Choudhary	Upgrading of High-Temperature Superconductor MBE System	Purdue University	7,500 12
Physics	Blackstead	Microwave Dissipation in High-Temperature Superconductors	Purdue University	18,671 12

# The Graduate School Research Division

## AWARDS FOR INSTRUCTIONAL PROGRAMS

Aerospace and Mechanical Eng	Mueller	NASA National Space Grant College and Fellowship Program	Purdue University	37,500 12
O.S.I.P.A.	Borelli	NDSETS	National Science Foundation	50,340 24

## AWARDS FOR SERVICE PROGRAMS

ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy	Various Others	4,114 1
ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy	Various Others	2,987 1
ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy/ Publications	Various Others	2,182 1
ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy/ Publications	Various Others	2,006 1
ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy	Various Others	2,413 1
ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy/ Publications	Various Others	876 1
Center for Cont. Form. in Min.	Pelton	Center for Continuing Formation in Ministry	Various Others	22,660 1
Center for Cont. Form. in Min.	Pelton	Center for Continuing Formation in Ministry	Various Others	12,282 1
Center for Cont. Form. in Min.	Pelton	Center for Continuing Formation in Ministry	Various Others	2,593 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./Dynamic Parish	Various Others	291 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./Dynamic Parish	Various Others	255 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./Operating Fund	Various Others	1,500 1
Latin/ N. American Church Concerns	Pelton	I.P.S.M./LANACC	Various Others	70 1
Latin/N. American Church Concerns	Pelton	I.P.S.M./LANACC	Various Others	40 1
Latin/N. American Church Concerns	Pelton	I.P.S.M./LANACC	Various Others	20 1

# The Graduate School Research Division

## Proposals Submitted

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

Department or Office	Principal	Short Title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Aerospace and Mechanical Eng.	Nee, Yang	Fluid Mechanics and Heat Transfer of Breathing Cooling	National Science Foundation	419,126 36
Aerospace and Mechanical Eng.	Corona	Buckling of Thin-Walled Structures Under Cyclic Bending	National Science Foundation	178,849 36
Aerospace and Mechanical Eng.	Batill	Aerospace Systems Design	Univ. Space Research Assoc.	115,783 36
Aerospace and Mechanical Eng.	Stanisic	NSF Young Investigator Award	National Science Foundation	500,000 60
Aerospace and Mechanical Eng.	Mueller	Fluid Dynamic and Acoustic Experiments on Turbomachine Rotors	Department of the Navy	67,847 7
Aerospace and Mechanical Eng.	Huang	Analysis of Interface Fracture in Composites	Bendix Engine Control System	75,343 12
Aerospace and Mechanical Eng.	Powers	Fluid Mechanics of Pyrotechnics	NASA-Lewis Research Center	52,193 11
Aerospace and Mechanical Eng.	Paolucci	Turbulent Thermal Convection	National Science Foundation	169,641 36
Aerospace and Mechanical Eng.	Nee, Yang	Breathing Cooling Technology	Intl. Business Machines	42,979 12
Aerospace and Mechanical Eng.	Nee, Jumper	Air-Cooled Heat Sink Study	Intl. Business Machines	42,972 12
Aerospace and Mechanical Eng.	Jumper	Aero Optical Support	Applied Research Assoc., Inc.	74,792 12
Aerospace and Mechanical Eng.	Powers	NSF Young Investigator Awards	National Science Foundation	500,000 60
Aerospace and Mechanical Eng.	Nee, Yang	Numerical Simulation of Oscillatory Flow and Heat Transfer	Intl. Business Machines	16,391 12
Biological Sciences	Pollard	Spore Program	National Institute of Health	118,960 12
Biological Sciences	Adams	Molecular Analysis of Plasmodium	National Institute of Health	131,180 12
Biological Sciences	Duman	Plant THPs	Department of Agriculture	331,256 36

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Biological Sciences	Goetz	Oxoanions and Diabetes	American Diabetes Association	113,767 24
Biological Sciences	Fraser	Transposon Vehicles for Genetic Engineering	Department of Agriculture	338,767 36
Biological Sciences	Lord, Craig	The Population Dynamics of <i>Aedes Albopictus</i>	National Institute of Health	0 12
Biological Sciences	Pollard	Prostate Cancer Model System	National Institute Health	204,289 12
Civil Eng. and Geological Science	Halfman	Links Between Climatic Processes and Sedimentation in Lakes	National Science Foundation	500,000 60
Chemical Engineering	Wolf	Transient Studies of Catalyst for Methane Conversion	Department of Energy	199,900 36
Chemical Engineering	Strieder	Thermal Radiation from a Random Medium	ACS Petroleum Research Fund	87,744 24
Chemical Engineering	Hill	NSF Young Investigator Award	National Science Foundation	500,000 60
Chemistry and Biochemistry	Miller	Siderophores, Analogs and Bioconjugates: Synthesis and Study	National Institute of Health	219,454 12
Chemistry and Biochemistry	McKee	Regulation of Heart Mitochondrial Protein Synthesis	I.U. School of Medicine	38,973 12
Chemistry and Biochemistry	Chetcuti	Reactions of Heterobimetallics with Sulfur Containing Ligands	ACS Petroleum Research Fund	60,000 38
Chemistry and Biochemistry	Nowak	Physical Characterization of Phosphoenolpyruvate	National Aero. Space Admin.	36,535 12
Chemistry and Biochemistry	Fehlner	Main Group-Transition Element Clusters	National Science Foundation	42,576 12
Chemistry and Biochemistry	Castellino, Bretthauer	Oligosaccharide Assembly on Recombinant Proteins	National Institute of Health	283,435 12
Computer Science and Engineering	Lumsdaine	Parallel Numerical Methods For Initial Value Problems	National Science Foundation	188,025 36
Electrical Engineering	Stevenson	NSF Young Investigator Awards Program	National Science Foundation	500,000 60
Electrical Engineering	Sauer	NSF Young Investigator Awards Program	National Science Foundation	500,000 60
Electrical Engineering	Sain	Minimal Performance Variance Control Theory	Department of the Army	29,740 6
Electrical Engineering	Bauer	NSF Young Investigator Award	National Science Foundation	500,000 60

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## The Graduate School Research Division

Electrical Engineering	Stevenson	Discontinuity-Preserving Stochastic Models	National Science Foundation	166,837 36
Electrical Engineering	Bandyopadhyay	Novel Transport Phenomena in Quantum Wires	National Science Foundation	76,042 12
Electrical Engineering	Das	High Speed Submicron CMOS Devices	National Science Foundation	186,132 36
Electrical Engineering	Bernstein	NSF Young Investigator Awards Program	National Science Foundation	500,000 60
Finance and Business Economics	Bowers	Optimal Bidding Under Uncertainty	National Science Foundation	25,614 18
Finance and Business Economics	Niden	Tax Savings as a Motive for Corporate Acquisition	National Science Foundation	25,614 18
History	Hamlin	A Reassessment of the Public Health Movement in 19th Century	Charles E. Culpeper Foundation	131,837 24
Law School	Lewers	Report of the Chilean National Commission	Ford Foundation	78,838 12
Law School	Lewers	English Translation/Publication Chilean National Commission Report	Ford Foundation	78,837 12
Physics	Glazier	NSF Young Investigators Award	National Science Foundation	500,000 60
Physics	Kolata	Sub-Barrier Fusion of Heavy Ions	National Science Foundation	4,560 24
Physics	Furdyna	Semiconductor - Dielectric Interfaces	Department of the Navy	126,500 36
Physics	Furdyna Giebultowicz, et al.	Neutron Scattering in DMSs	National Science Foundation	46,421 6
Psychology	Borkowski Whitman, et al.	Precursors of Retardation in Children with Teen Mothers	National Institute of Health	152,312 12

### PROPOSALS FOR FACILITIES AND EQUIPMENT

Aerospace and Mechanical Eng.	Skaar, Stanisic	A Manipulator and Peripherals	National Science Foundation	66,034 12
Aerospace and Mechanical Eng.	Dunn, Batill, et al.	One-Component Phase Doppler Particle Analyzer	National Science Foundation	106,574 12
Civil Eng. and Geological Science	Gray, K.	Analytical-Scale Supercritical Fluid Extraction System	National Science Foundation	36,000 12
Civil Eng. and Geological Science	Spencer, Sain	Eng. Res. Equipment: Modal Analyzer and Control System	National Science Foundation	49,117 12

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Chemical Engineering	Varma	Engineering Research Equipment	National Science Foundation	52,945 12
Electrical Engineering	Lent, Porod, et al.	Nanoelectronics Research	National Science Foundation	90,000 12

## PROPOSALS FOR INSTRUCTIONAL PROGRAMS

English	Brogan	Lilly-Program of Summer Stipends for New Courses	Lilly Endowment, Inc.	5,000 4
Romance Lang./Lit.	Douthwaite	Lilly-Program of Summer Stipends for New Courses	Lilly Endowment, Inc.	5,000 4
Law School	Doran, Gasperetti	Notre Dame Legal Aid Clinic	Department of Education	291,500 12
Mathematics	Hahn	Lilly-Program of Summer Stipends for New Courses	Lilly Endowment, Inc.	5,000 4

## PROPOSALS FOR OTHER PROGRAMS

Reilly Center	McMullin, McKim	Causality in Crisis	National Science Foundation	27,839 17
Reilly Center	McMullin, McKim	Causality in Crisis	National Endowment for the Humanities	46,411 17
University Libraries	Hayes, Ostlund	Online CD-ROM Data Center	Department of Education	883,907 36

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# Notre Dame

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# R E P O R T

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