

NOTRE DAME REPORT

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Hume Receives Notre Dame Award

The 1995 Notre Dame Award for international humanitarian service will be given to John Hume, member of the British and European Parliaments, leader of Northern Ireland's Social Democratic and Labour Party (SDLP), and a principal architect of the 17-month-long cease-fire in Northern Ireland, at Notre Dame, April 25. The University also plans to honor him in Dublin, Ireland, in November when the football team plays Navy there.

A Catholic native of Derry, Northern Ireland, Hume was born January 18, 1937, and educated at Saint Patrick's College in Maynooth. He also attended Trinity College, Dublin, on a fellowship in European studies and Harvard University on a fellowship in the Center for International Affairs. A community organizer and leader in Northern Ireland's nonviolent civil rights movement during the late 1960s, he entered politics in 1969 and was elected to Northern Ireland's Parliament as an independent. In 1970 he and five other non-Unionist members of the Parliament formed the SDLP, which he has headed since 1979, the same year he was elected a member of the European Parliament. He was elected in 1983 to represent Derry's Foyle district in the British Parliament.

Despite fierce opposition from Catholic and Protestant extremists, Hume has pursued Irish reconciliation throughout his political career. Two years ago he announced that he and Gerry Adams, the leader of Sinn Fein, the political party most closely associated with the Irish Republican Army (IRA), had begun a dialogue whose objective was a total cessation of violence.

Although Hume's willingness to speak with Adams was initially denounced by all sides, it led to the cease-fire declared by the IRA August 31, 1994, to subsequent cease-fire declarations by loyalist paramilitary groups, and to a new joint peace undertaking by the governments of Ireland and Britain.

Hume was given a Peacemakers Award by the Kroc Institute for International Peace Studies in 1987 and has received honorary degrees from Catholic University of America, Saint Joseph's University in Philadelphia and Tusculum College in Tennessee.

The Notre Dame Award was established in 1992, in celebration of the Sesquicentennial, to honor persons "within and without the Catholic Church, citizens of every nation, whose religious faith has quickened learning, whose learning has engendered deeds, and whose deeds give witness to God's kingdom among us." The award has been given previously to Jimmy and Rosalynn Carter, Mother Theresa of Calcutta, Jean Vanier and Helen Suzman.

ACE Receives Kellogg Foundation Grant

The Alliance for Catholic Education (ACE) has received a \$541,869 grant from the W.K. Kellogg Foundation to enlarge the pool of teachers the program makes available to parochial schools with critical teacher shortages.

ACE was founded in 1994 by Rev. Timothy Scully, C.S.C., vice president and associate provost, to provide committed Catholic teachers for understaffed parochial schools and to provide recent college graduates with intensive teacher training and opportunities for Christian community and personal growth. Participants in the two-year program take part in two summer training sessions conducted at Notre Dame by staff from the University of Portland's School of Education.

Since its first year of operation, ACE has doubled in size. Now under the direction of Sr. Lourdes Sheehan, R.S.M., the program has sent 80 teachers to disadvantaged parochial schools in urban and rural communities throughout the southeastern United States.

The Kellogg Foundation's programming activities center around the common visions of a world in which each person has a sense of worth; accepts responsibility for self, family, community and societal well-being; and has the capacity to be productive, and to help create nurturing families, responsive institutions and healthy communities.

Bowl Proceeds to Fund 425 Scholarships

Just as it has for the past eight years the University is devoting its entire bowl proceeds, minus bowl expenses, to the general academic scholarship fund. In addition, since the University made a decision to increase expendable financial aid funds over the next four years, \$5 million that would have become financial aid endowment is now being made immediately available for scholarship awards.

A projected 425 undergraduate students will benefit over the next four-year period. Already, more than 100 Notre Dame students are receiving scholarship aid that is the direct result of almost \$22 million in 1987-94 proceeds used to increase the financial aid endowment.

In addition, over the first five years of the regular season television contract with NBC more than \$20 million in revenues have flowed into financial aid endowment, and that translates into another 100 current students receiving scholarship aid.

Scholarship Aid Rose 9 Percent

Undergraduate scholarship aid awarded by the University in the current academic year rose more than 9 percent from 1994-95 totals, according to a report from the Office of Financial Aid.

The report provides a preliminary summary of all student aid from University, government and private sources for the 1995-96 academic year. The totals will rise when a final report is issued at the end of the fiscal year June 30.

University-administered scholarship aid for this year totaled \$13.1 million, some \$1.1 million more than the \$12 million distributed in 1994-95.

Scholarship and grant assistance provided by the University includes funds awarded to Notre Dame Scholars — students who are designated the most accomplished in each incoming class — as well as Holy Cross grants awarded primarily to minority students based upon their academic and personal records and proven ability to overcome economic or social disadvantages. With these and with all Notre Dame-based financial aid programs, demonstrated financial need is an essential consideration in addition to the students' outstanding credentials.

Other highlights from the 1995-96 financial aid report:

- Total financial aid for this academic year — including scholarships, loans, grants and jobs from all sources — is projected to be in excess of \$102 million, up from a record \$100.1 million last year.
- Loans to students and their parents account for \$36 million of the \$40.1 million from federal assistance programs. The remaining \$4.1 million comes in the form of grant and work-study programs.
- Nonfederal financial aid — including scholarships earned from outside the University, alternative loans, grants-in-aid, tuition remission and University student employment — rose 3 percent to \$53.5 million.
- ROTC scholarships rose by an average of more than \$1,500 per student and totaled \$7.8 million.
- 70 percent of Notre Dame undergraduates and 85 percent of graduate students are receiving aid this year.
- Of the \$102 million in aid distributed, about \$66 million is going to undergraduates and \$36 million to graduate students.

Executive M.B.A. Program Develops Videoconferencing Program

Notre Dame has developed a distance-learning program for Executive M.B.A. students that is the first of its kind in American higher education. Launched last semester, the two-year program provides graduate business education through live videoconferencing to six working professionals in Toledo, Ohio.

Cameras, audio equipment and video monitors at the Notre Dame and Toledo sites allow the off-campus students to "attend" classes and make it possible for live interaction between faculty and students in both locations. Classes are held all day every other Friday and Saturday.

Developed by VTEL Corp., the videoconferencing system is based upon two-way audio and video compressed digital technology over a high speed T-1 communications line between a classroom in the Naimoli Building in the College of Business Administration complex and a specially equipped room at Owens-Illinois Inc., a Toledo-based manufacturer of packaging products. Three of the off-campus students are employed at Owens-Illinois and three work with other firms in Ohio.

A facilitator is present at the Toledo site during all class sessions to deliver course materials, collect assignments, monitor exams and handle administrative issues. "Video office hours" and electronic mail are used by students to communicate with faculty and fellow students outside of class.

Notre Dame professors using the videoconferencing system are regular Executive M.B.A. faculty who have been trained in the use of the technology as an instructional tool. The curriculum has not been altered — although visual aids have been modified when appropriate for better presentation on video monitors — and off-campus students must meet the same admissions standards as traditional students.

Notre Dame's corporate partner in the two-year program, Owens-Illinois, is one of the world's leading and most diversified manufacturers of packaging products. VTEL is the industry leader in applications-oriented interactive multimedia videoconferencing.

FACULTY NOTES

Honors

Sr. Elaine DesRosiers, O.P., professional specialist and director of Educational Media, has been appointed to the editorial review board for the journal *College and University Media Review* published by the Consortium of College and University Media Center.

Jeanne Halgren Kilde, assistant professor of American studies, has been named to the executive committee of the Great Lakes American Studies Association.

Jerry J. Marley, chairman and associate professor of civil engineering and geological sciences, has been appointed a member of the State Board of Registration for Professional Engineers by Governor Evan Bayh.

Rev. Marvin R. O'Connell, professor emeritus of history, received the American Catholic Historical Association's John Gilmary Shea Prize during the association 76th annual meeting in Atlanta, Ga., Jan. 6. The Shea prize is given annually to an American or Canadian author for a distinguished work of Catholic historical scholarship. O'Connell's recent book, *Critics on Trial: An Introduction to the Catholic Modernist Crisis*, was selected by a committee of church historians from a field of 26 books on Catholic church history.

Gary Sieber, adjunct assistant professor of communication and theatre, received three awards as writer of the indicated television programs: Broadcast Education Association Juried Faculty Production Competition in the documentary category for "Today's Life Choices: The Soul of a Nation," a Gabriel Award presented by the National Catholic Association for Broadcasters and Allied Communicators for "Today's Life Choices: The Soul of a Nation" and New York Festivals finalist in the current events category for "Today's Life Choices: World Summit for Social Development."

Eduardo E. Wolf, professor of chemical engineering, was elected chair of the Catalysis and Reaction Engineering Division of the American Institute of Chemical Engineers.

Activities

John Adams, assistant professor of biological sciences, presented the abstract "A New Erythrocyte Binding Protein Family of Malaria Parasites" at the annual meeting of the American Society of Tropical Medicine and Hygiene in San Antonio, Tex., Nov. 17-21.

Jay W. Brandenberger, associate professional specialist in the Center for Social Concerns and concurrent assistant professor of psychology, presented "Social Responsibility

and Higher Education: Research Initiatives at the University of Notre Dame" at the annual meeting of the Association for Moral Education in New York, N.Y., Nov. 15-18.

Joan F. Brennecke, associate professor of chemical engineering, presented an invited seminar titled "Supercritical Solvent Effects on Reaction Rates" at Los Alamos National Laboratory in Los Alamos, N.Mex., Jan. 4.

Scott D. Bridgham, assistant professor of biological sciences, presented the invited seminar "An Interdisciplinary Approach to Determining Climate Change Impacts on Northern Wetlands" and coauthored an invited seminar titled "Physical, Chemical, and Biological Processes in Riverine Wetlands" and a poster titled "An Assessment of Mixed Bed (H-OH) Ion Exchange Resin to Changes in Nutrient Availability" at the annual meeting of the Soil Science Society of America in St. Louis, Mo., Oct. 30-Nov. 2.

Jacqueline Vaught Brogan, professor of English, organized a symposium titled "Women Poets of the Americas" which was sponsored in part by Notre Dame (ISLA and Notre Dame Press) and by the American Literature Association in Cancun, Mexico, Dec. 14-17.

Lawrence S. Cunningham, chairman and professor of theology, chaired a session of the History of Christianity section of the American Academy of Religion in Philadelphia, Pa., Nov. 17-18. He gave the keynote address "On Catholic Pluralism" to the Indiana Catholic Pluralism conference in Indianapolis, Ind., Dec. 15.

Jay P. Dolan, professor of history, delivered the presidential address titled "The Search for an American Catholicism" at the annual meeting of the American Catholic Historical Association in Atlanta, Ga., Jan. 6.

Julia Douthwaite, associate professor of Romance languages and literatures, chaired a session titled "Dialogues Across the Channel: French and English Women Writers of the Long Eighteenth Century" and presented a paper titled "The Wild Woman, Then and Now: Marie-Angelique and Nell" at the convention of the Modern Languages Association in Chicago, Ill., Dec. 28-29.

Douglas Fishkind, assistant professor of biological sciences, gave the invited seminar "Actin-Myosin Organization in Cell Division" to the Indiana University Medical School Department of Medicine in Indianapolis, Ind., Nov. 14.

Malcolm J. Fraser Jr., associate professor of biological sciences, presented "Active Transposons from Lepidopteran Genomes Isolated as Insertions Within Infecting Baculoviruses" at the formal conference on Genetics and Molecular Biology of the Entomological Society of America in Las Vegas, Nev., Dec. 19-20.

FACULTY NOTES

Alan L. Johnson, professor of biological sciences, gave the invited symposium talk "The Avian Follicle Hierarchy: A Balance Between Follicle Differentiation and Atresia" at the Avian Biology Symposium of the American Society of Zoologists in Washington, D.C., Dec. 26-29.

Charles F. Kulpa, associate dean of science and professor of biological sciences, presented the poster "Detection of *Nitrosomonas* spp. and *Nitrobacter* spp. in Pure Culture and Activated Sludge by PCR and RT-PCR" with Shivi Selvaratnam, postdoctoral fellow, at the Beijerinck centennial meeting on Microbial Physiology and Gene Regulation: Emerging Principles and Applications at the Hague, the Netherlands, Dec. 7-18.

David M. Lodge, associate professor of biological sciences, gave the invited talk "Predicting Impact of Freshwater Exotic Species on Native Biodiversity: Challenges in Spatial and Temporal Scaling" in a symposium on Spatial and Temporal Scaling of Ecological Processes in Freshwater Systems" at Monash University in Melbourne, Australia. He presented "Scales of Experimentation and Multiple Causality in Freshwater Communities: Challenge for Applying Ecological Research at the School of Australian Environmental Studies, at Griffith University in Brisbane, Australia, Dec. 1-17.

Ingrid M. Müller, assistant professor of biological sciences, gave the seminar titled "T Cell Responses in Experimental Cutaneous Leishmaniasis" at Loyola University in Chicago, Ill., Nov. 6.

Daniel J. Pasto, professor emeritus of chemistry, delivered an invited symposium lecture titled "Experimental and Theoretical Studies on the Oxiranylmethyl-allyloxy-vinyloxymethyl Radical System" and gave a presentation titled "Theoretical Studies on the Ring-Opening Reactions of Hetero-cyclopropylmethyl Radical Systems" at the Pacificchem '95 meeting in Honolulu, Hawaii, Dec. 21.

Teresa Godwin Phelps, professor of law, presented "The Place of Narrative in Legal Writing and Beyond" at the AALS annual meeting in San Antonio, Tex., Jan. 3-7.

Karamjit S. Rai, professor of biological sciences, presented the paper "Genetics, Health and Disease" at the third international symposium at Guru Nanak Dev University in Amritsar, India, Nov. 30-Dec. 4.

Joachim Rosenthal, associate professor of mathematics, organized the invited session "Connections between Systems Theory and Coding Theory" and presented the papers "A Parametrization of Homogeneous AR-systems" and "Generic Eigenvalue Assignment for Generalized Linear First Order Systems using Memoryless Real Output Feedback" at the 34th IEEE conference on Decision and Control in New Orleans, La., Dec. 13-15.

Valerie Sayers, professor of English and director of the Creative Writing Program, presented the paper "The Pilgrimage North: Southern Writers in New York City" at the Modern Language Association convention in Chicago, Ill., Dec. 29.

James H. Seckinger, professor of law, served as a faculty member for the NITA Teacher Training Program at Notre Dame Law School, Notre Dame, Ind., Oct. 13-15. He gave a presentation to the faculty on using the NITA Method of Learning-by-Doing Skills Training for teaching the teachers. He was program director and a faculty member for the NITA/Tory DesLauriers & Binnington Teacher Training Program in Toronto, Ontario, Canada, Nov. 10-11.

Daniel J. Sheerin, chairperson and professor of classical and Oriental languages and literatures, presented the paper "The Unity of the *Officium missae* in Rupert of Deutz' *Liber de diuinis officiis*" to a panel of the Medieval Latin Study Group at the annual meeting of the American Philological Association in San Diego, Calif., Dec. 30.

James C. VanderKam, professor of theology, gave the lecture, "The Dead Sea Scrolls and the Bible" at Fuller Theological Seminary in Pasadena, Calif., Oct. 11. He presented "Teaching the Dead Sea Scrolls in Hebrew to Intermediate Students" at the annual meeting of the Society of Biblical Literature in Philadelphia, Pa., Nov. 20.

John Welle, associate professor of Romance languages and literatures, presented the paper "Writing Cinema in Fascist Italy" at the Modern Language Association conference held in Chicago, Ill., Dec. 29.

Eduardo E. Wolf, professor of chemical engineering, presented the papers "AFM and XPS Studies of 1-butanethiol Deactivation of a Pd/Al₂O₃ Model Catalyst during 1,3 Butadiene Hydrogenation" coauthored with K.H. Lee, "Novel Microfabricated Pd/Au/SiO₂ Model Catalysts for the Hydrogenation of 1,3 Butadiene" coauthored by T. Krauth, "Selective Hydrogenation of Croton Aldehyde over Clusters of Clusters based Catalysts" coauthored by A. Patil, M. Banares and Thomas P. Fehlner, Grace-Rupley professor of chemistry, at the 1995 meeting of the American Institute of Chemical Engineers in Miami Beach, Fla., Nov. 12-17. He coauthored "Effects Catalyst Structure on the Dynamics of CO oxidation" with L. Tagliabue and presented by Q. Feng at that meeting. Wolf presented the plenary lecture on "Oxidative Coupling of Methane" at the fourth international symposium on Natural Gas Conversion at Kruger National Park, South Africa, Nov. 19-23.

James A. Burns, C.S.C., Graduate School Award

Nominations are requested for the James A. Burns, C.S.C., Graduate School Award, given annually to a faculty member for distinction in graduate teaching or other exemplary contributions to graduate education. This honor will be presented at the President's Dinner for the faculty in May, and the recipient will receive a citation and cash prize.

The first Notre Dame president with an advanced degree, a doctorate from the Catholic University of America, James Aloysius Burns was the leading reformer of Catholic education in this country in the first quarter of the 20th century. Fr. Burns had a deep personal commitment to graduate education, and when he became Notre Dame's president in 1919, a year after the formal beginning of graduate education here, he was determined to make this a genuine university. One of his most significant contributions was to raise academic standards by recruiting faculty with doctoral degrees.

Questions and letters of nomination should be addressed to Dr. Nathan O. Hatch, Vice President, Graduate School, 312 Main Building, Notre Dame, Indiana 46556, and must be received by March 8. Letters of nomination must be accompanied by a copy of the nominee's curriculum vitae.

James A. Burns, C.S.C., Graduate School Award Winners Since 1990

- 1989-90 Rev. Ernan McMullin
- 1990-91 Lawrence Marsh
- 1991-92 Wilhelm Stoll
- 1992-93 Scott Maxwell
- 1993-94 Joan Aldous
- Francis J. Castellino
- 1994-95 Robert C. Johansen
- Kwang-tzu Yang

Special University Awards

Nominations are requested for the three special awards as well as sufficient background material and/or documentation to support the candidate's nomination. Selection is based on the letter and materials submitted by the nominator. Nominations should be sent to Isabel Charles, Associate Provost Emerita, 204-I Business Administration Complex, by Friday, March 8, to be forwarded to the selection committees. Award winners will be honored at the President's Dinner in May.

Faculty Award

Established in the 1927-28 academic year by the Alumni Association, the Faculty Award singles out that faculty member who, in the opinion of his or her colleagues, has contributed outstanding service to the University of Notre Dame. Each year a selection committee, composed of prior winners and representing the colleges and the Law School, studies the recommendations submitted by former recipients of this award, by the deans, and by individual faculty members, and selects a winner.

Faculty Award Winners Since 1960

- 1959-60 Otto Bird
- 1960-61 John Frederick
- 1961-62 Milton Burton
- 1962-63 Stephen Kertesz
- 1963-64 Raymond Gutschick
- 1964-65 Matthew Fitzsimons
- 1965-66 Bernard D. Cullity
- 1966-67 John Magee
- 1967-68 Rev. Charles E. Sheedy, C.S.C.
- 1968-69 Bernard Waldman
- 1969-70 James Massey
- 1970-71 Thomas Stritch
- 1971-72 Ernest Sandeen
- 1972-73 Rev. Ernan McMullin
- 1973-74 Robert E. Rodes Jr.
- 1974-75 Herbert E. Sim
- 1975-76 Ronald Weber
- 1976-77 Walter Miller
- 1977-78 J. Philip Gleason
- 1978-79 K.T. Yang
- 1979-80 Frederick J. Crosson
- 1980-81 Jeremiah P. Freeman
- 1981-82 Morris Pollard
- 1982-83 James Kohn
- 1983-84 John Malone
- 1984-85 Rudy Bottei
- 1985-86 Rev. David Burrell, C.S.C.
- 1986-87 Paul Weinstein
- 1987-88 Ray Powell
- 1988-89 Robert A. Leader
- 1989-90 Edward J. Murphy
- 1990-91 Eugene Henry
- 1991-92 George B. Craig Jr.
- 1992-93 Lee Tavis
- 1993-94 Sonia Gernes
- 1994-95 Ralph McInerney

Reinhold Niebuhr Award

Rev. Theodore M. Hesburgh, C.S.C., and Chancellor Willy Brandt of West Germany were the first recipients of Reinhold Niebuhr awards sponsored by friends of the Protestant theologian and author. Receiving this award in September 1972, at ceremonies at Union Theological Seminary in New York City, Father Hesburgh announced the establishment of a Reinhold Niebuhr award at the University of Notre Dame. This award is made annually to a student, faculty member or administrator whose *life and writings* promote or exemplify the area of *social justice* in modern life. The initial award to Father Hesburgh was \$5,000. This he turned over to the Notre Dame endowment to underwrite an annual cash award of \$250 for the winner of this campus honor. The selection committee includes representatives from the colleges and Law School, Campus Ministry, Center for Social Concerns, rectors, Ladies of Notre Dame and the student body. All members of the Notre Dame community are invited to submit recommendations for this award.

Reinhold Niebuhr Award Winners Since 1973

1973	Msgr. John J. Egan
1974	CILA (Community for the International Lay Apostolate)
1975	George N. Shuster
1976	Rev. Louis Putz, C.S.C.
1977	Mr. and Mrs. Arthur Quigley
1978	Thomas P. Broden
1979	Rev. William Toohey, C.S.C.
1980	Rev. Don McNeill, C.S.C.
1981	Charles K. Wilber
1982	Kenneth and Penny Jameson
1983	Julian Pleasants
1984	John W. Houck and Oliver F. Williams, C.S.C.
1985	James Sterba
1986	John H. Yoder
1987	Stephen Worland
1988	Denis Goulet
1989	Sharon Lynn O'Brien
1990	John J. Gilligan
1991	Thomas and Nancy Shaffer
1992	Patrick E. Murphy
1993	John Borkowski
1994	Bernard Doering
1995	Rev. Richard McCormick, S.J.

Grenville Clark Award

On October 20, 1978, Father Hesburgh was one of three recipients of the Grenville Clark Prize, an award given every three years by the Grenville Clark Fund at Dartmouth College. Following the procedure established when he won the Reinhold Niebuhr award in 1972, Father Hesburgh donated the \$5,000 Clark stipend to the Notre Dame endowment to underwrite a cash prize of \$250 to be awarded each year. This award is made to a faculty member, administrator or student whose *voluntary activities* serve to advance the cause of peace and human rights to which Grenville Clark devoted his extraordinary life of *public service*. The selection committee includes representatives from the colleges and Law School, Campus Ministry, Center for Social Concerns, rectors, Ladies of Notre Dame and the student body. All members of the Notre Dame community are invited to submit recommendations for this award.

Grenville Clark Award Winners Since 1979

1979	Peter Walshe
1980	James and Mary Ann Roemer
1981	Sr. Judith Ann Beattie, C.S.C.
1982	Kenneth W. Milani
1983	Peggy Roach
1984	The Notre Dame Legal Aid and Defender Association
1985	Cecil and Mary Mast
1986	Rev. Robert F. Griffin, C.S.C.
1987	Conrad Kellenberg
1988	D'Arcy Chisholm and David Link
1989	Lloyd and Shelley Ketchum Kevin and Kathy Misiewicz
1990	Peter Morgan and Sr. Annette Giarrante, O.S.F.
1991	Kathleen Maas Weigert and Dolores Tantoco-Stauder
1992	Rev. H. Thomas McDermott, C.S.C.
1993	Michael and Christine Etzel
1994	Bro. Bonaventure Scully, C.F.X.
1995	Eugene J. McClory

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

American Studies

Schmuhl, Robert P.

- R. P. Schmuhl. 1995. America and multiculturalism. In *Citizenship and rights in multicultural societies*, eds. M. Dunne and T. Bonazzi, 141-151. Keele, Staffordshire, United Kingdom: Keele University Press.
- R. P. Schmuhl. 1995. The political center is under attack. *Philadelphia Inquirer*, 18 October, sec. A, p. 19.
- R. P. Schmuhl. 1995. Running scared. *Notre Dame Magazine* 24 (3): 40-43.

Economics

Kim, Kwan S.

- K. S. Kim. 1995. Impact of culture on economic growth: A case of the Korean Confucian capitalism. In *Papers and proceedings — The tenth annual meeting of the Korea-America economic association*, ed. H. S. Hwang, 15-17. Memphis, Tenn.: The KAEA.

English

Brogan, Jacqueline V.

- J. V. Brogan. 1995. Planets on the table: From Wallace Stevens and Elizabeth Bishop to Adrienne Rich and June Jordan. *Wallace Stevens Journal* 19 (2): 255-278.
- J. V. Brogan. 1995. Talking eyes or, ethics and Derrida from the other's point of view. *Joyful Wisdom: A Journal for Postmodern Ethics* 2 (1): 71-88.
- J. V. Brogan, ed. 1995. *Wallace Stevens Journal: Special Issue on Stevens and Bishop* 19 (2) 188 pp.

History

Nugent, Walter

- W. Nugent. 1996. Demographic aspects of European migration worldwide. In *European migrants: Global and local perspectives*, eds. D. Hoerder and L. P. Moch, 70-89. Boston, Mass.: Northeastern University Press.
- W. Nugent. 1995. Migration from the German and Austro-Hungarian empires to North America. In *Cambridge survey of world migration*, ed. R. Cohen, 103-108. Cambridge, England: Cambridge University Press.

W. Nugent. 1995. Review of *The frontier in American culture* (Newberry Library Exhibition). *Journal of American History* 82 (December) 1145-1148.

W. Nugent. 1995. Review of *On Turner's trail: 100 years of writing western history*, by W. R. Jacobs. *Montana the Magazine of Western History* 45 (Autumn): 75-76.

W. Nugent. 1995. Review of *Who owns history*. Film; R. Bailey, producer. *Journal of American History* 82 (December): 1301-1302.

Music

Haimo, Ethan T.

- E. T. Haimo. 1995. Songs for soprano and piano. Swenson songs. N. E. Ogle, soprano; C. Smith, piano. Orono, Maine: University of Maine.

Romance Languages and Literatures

Cachey, Theodore J., Jr.

- T. J. Cachey Jr. 1995. Review of *Letture classnesi: lettura del 'Fiore,'* ed. Z. G. Baranski, P. Boyde and L. Pertile. Vol. 22 (Ravenna: Longo Editore, 1993) in *Medium Aevum* 64:150-151.

Theology

Ashley, J. Matthew

- J. M. Ashley. 1995. The turn to spirituality? The relationship between theology and spirituality. *Christian Spirituality Bulletin* 3 (2): 13-18.

Cunningham, Lawrence S.

- L. S. Cunningham. 1995. Alone with God, and everybody. *Commonweal* 122 (1 December): 31.
- L. S. Cunningham. 1995. Religion booknotes. *Commonweal* 122 (15 December): 22-24.
- L. S. Cunningham. 1995. Romano Guardini as sapiential theologian. In *Romano Guardini*, ed. R. A. Krieg, 61-72. Chicago, Ill.: LTP Publications.
- L. S. Cunningham. 1995. What is a theologian? *Anniversary Issue of Saint Augustine Catholic* 5 (November/December): 6-7, 32-33.
- L. S. Cunningham. 1995. What would you be without your body: Thirteen meditations. *U.S. Catholic* 60 (December): 6-13. [Reprinted as a supplement to the *U.S. Parish Newsletter* — January 1996.]

Egan, Keith J.

- K. J. Egan. 1995. Review of *Historia del Carmelo Español*, vol. 2 and 3, by B. V. Bayón and *Los Carmelitas: Historia de la Orden del Carmen*, vol. 4, by B. V. Bayón. *The Catholic Historical Review* 81 (October): 611-613.

O'Meara, Thomas F., O.P.

- T. F. O'Meara, O.P. 1995. Romano Guardini's *Akademische Feier* in 1965. In *Romano Guardini: Proclaiming the sacred in a modern world*, ed. R. Krieg, 98-103. Chicago, Ill.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Pelton, Robert S., C.S.C.

R. S. Pelton, C.S.C., ed. and publisher. 1995.
International papers in pastoral ministry. Latin
American/North American Church Concerns. 8 pp.

VanderKam, James C.

J. C. VanderKam. 1995. *Enoch: A man for all generations*.
(Studies on personalities of the old testament)
Columbia, S.C.: University of South Carolina Press. ix
+ 207 pp.

J. C. VanderKam. 1995. Prophecy and apocalypics in
the Ancient Near East. In *Civilizations of the Ancient
Near East*, ed. J. M. Sasson, 2083-2094. New York:
Charles Scribner's Sons.

COLLEGE OF SCIENCE

Chemistry and Biochemistry

Jacobs, Dennis C.

J. Qian, D. C. Jacobs and D. J. Tannor. 1995. A novel
wave packet description of electron transfer and
dissociation in molecule/surface reactive scattering.
Journal of Chemical Physics 103 (24): 10764-10778.

Tannor, David J.

See under Jacobs, Dennis C. 1995. *Journal of Chemical
Physics* 103 (24): 10764-10778.

Thomas, J. Kerry

X. Liu, Y. Mao, S. A. Ruetten and J. K. Thomas. 1995.
Charge transfer and charge trapping in zeolites and
similar media. *Solar Energy Materials and Solar Cells*
38:199-219.

Mathematics

Dwyer, William G.

W. G. Dwyer, D. M. Kan and C. R. Stover. 1995. The
bigraded homotopy groups $\pi_{i,j}X$ of a pointed
simplicial space X . *Journal of Pure and Applied Algebra*
103:167-188.

Yin, Hong-Ming

H-M. Yin. 1995. Recent and new results on
determination of unknown coefficients in parabolic
partial differential equations with over-specified
conditions. In *Inverse problems in diffusion processes*,
eds. H. W. Engl and W. Rundell, 181-198.
Philadelphia, Pa.: Society for Industrial and Applied
Mathematics.

H-M. Yin. 1995. The semiconductor system with
temperature effect. *Journal of Mathematical Analysis
and Applications* 196:135-152.

Physics

Cushing, James T.

J. T. Cushing. 1996. What measurement problem? In
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 $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ with $x = 0.25$ and 0.50 . *Physical
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COLLEGE OF ENGINEERING

Civil Engineering and Geological Sciences

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Computer Science and Engineering

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Electrical Engineering

Antsaklis, Panagiotis J.

See under Michel, Anthony N. 1995. *Proceedings of the
34th IEEE Conference on Decision and Control*, vol. 2 of
4, 1473-1477.

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of digital feedback control systems with floating
point arithmetic. In *Proceedings of the 34th IEEE
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Orleans, La.: IEEE.

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H. Ye, A. N. Michel and P. Antsaklis. 1995. A general
model for the qualitative analysis of hybrid
dynamical systems. In *Proceedings of the 34th IEEE
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for hybrid dynamical systems. In *Proceedings of the
34th IEEE Conference on Decision and Control*, vol. 3 of
4, 2679-2684. New Orleans, La.: IEEE.

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of sparsely interconnected feedback neural networks.
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THE GRADUATE SCHOOL OFFICE OF RESEARCH

SCHOOL OF ARCHITECTURE

Younés, Samir

- S. Younés. 1995. Competitions: The reconstruction of the Souks of Beirut. In *Arche & Colonne International*, vol. 2. Rome, Italy: Gangemi Editore.

RADIATION LABORATORY

Chipman, Daniel M.

- V. A. Rassolov and D. M. Chipman. 1995. Spin density in first-row diatomic hydrides from the Hiller-Sucher-Feinberg identity. *Journal of Chemical Physics* 103 (23): 10058-10068.

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THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received and Proposals Submitted

In the period December 1, 1995, through December 31, 1995

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	162,000	4	182,006	7	344,006
Facilities and Equipment	0	0	1	25,000	1	25,000
Instructional Programs	0	0	1	35,000	1	35,000
Service Programs	0	0	4	23,671	4	23,671
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>20,000</u>	<u>1</u>	<u>20,000</u>
Total	3	162,000	11	285,677	14	447,677

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	1,387,682	16	3,222,225	20	4,609,907
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	1	274,000	1	274,000
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>23,058</u>	<u>1</u>	<u>23,058</u>
Total	4	1,387,682	18	3,519,283	22	4,906,965

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received

In the period December 1, 1995, through December 31, 1995

AWARDS FOR RESEARCH

Biological Sciences

Johnson, A.
Mediation of Apoptosis During Avian Ovarian Follicle Atresia
National Science Foundation
\$76,200 24 months

Adams, J.
Molecular Analysis of P. vivax Erythrocyte Binding Proteins
World Health Organization
\$27,000 12 months

Chemistry and Biochemistry

Fehlner, T.
Main Group Transition Element Clusters
National Science Foundation
\$115,000 42 months

Computer Science and Engineering

Brockman, J.
Statistical Worst-Case Analysis of Integrated Circuits
Motorola
\$40,000 24 months

Beery, P., Uhran, J.
Virtual Reality-Human Interface R & D Program
International Business Machines
\$50,806 12 months

Physics

Tanner, C.
Precision Measurements of Transition Amplitudes in Cesium
National Science Foundation
\$20,000 12 months

Theology

Ulrich, E., VanderKam, J.
The Publication of Four Volumes of Dead Sea Scrolls
Dead Sea Scrolls Foundation
\$15,000 24 months

AWARDS FOR FACILITIES AND EQUIPMENT

Chemical Engineering

McGinn, P.
Thermal Analysis System
Purdue University
\$25,000 72 months

AWARDS FOR INSTRUCTIONAL PROGRAMS

Philosophy

Plantinga, A.
Teaching Fellowship
Santa Clara University
\$35,000 3 months

AWARDS FOR SERVICE PROGRAMS

Center for Continuing Formation in Ministry

Lauer, E.
Center for Continuing Formation in Ministry
Various Others
\$16,775 1 month

Notre Dame Center for Pastoral Liturgy

Bernstein, E.
Center for Pastoral Liturgy
Various Others
\$807 1 month

Center for Pastoral Liturgy
Various Others
\$6,007 1 month

Institute for Church Life

Cannon, K.
Institute for Church Life
Various Others
\$82 1 month

AWARDS FOR OTHER PROGRAMS

Graduate School

Diffley, P.
Fellowship for Amy Frohlich
National Physical Science Consortium
\$20,000 12 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Proposals Submitted

In the period December 1, 1995, through December 31, 1995

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

Thomas, F., Nelson, R.
An Experimental Investigation of High Lift System
NASA - Ames Research Center
\$53,167 12 months

Biological Sciences

Fishkind, D.
Actin-Myosin Structure and Function in Cytokinesis
National Science Foundation
\$751,052 60 months

Adams, J.
Molecular Cloning of MAEBL
Burroughs Wellcome Fund
\$5,300 1 month

Bridgham, S.
Environmental Gradients Structuring Peatland
Communities
National Science Foundation
\$553,013 60 months

Center for Applied Mathematics

Atassi, H.
A Domain Decomposition-Based Numerical Laboratory
Old Dominion University
\$284,311 36 months

Chemical Engineering

Chang, H.
Wave and Reaction Enhanced Interfacial Transfer
ACS Petroleum Research Fund
\$75,000 36 months

Chemistry and Biochemistry

Castellino, F., Nilsen, S.
tPA Mutagenesis
American Heart Association — Ind.
\$42,000 36 months

Nowak, T., Bollenbach, T.
Studies of Hemolytic Anemia
American Heart Association — Ind.
\$28,000 24 months

Fehlner, T., Wolf, E., et al.
Heterogeneous Catalysts from Clusters Arrays
National Science Foundation
\$580,866 36 months

Rosen, E., Castellino, F.
Protein C. Deficient Mice
American Heart Association — Ind.
\$99,000 36 months

Pasto, D.
Reactions of Ar S-X-Y Derivatives
ACS Petroleum Research Fund
\$75,000 36 months

Castellino, F., Warder, S.
Structure and Function of Protein C
American Heart Association — Ind.
\$42,000 36 months

Castellino, F., Prorok, M.
Peptide Analogs of Protein C
American Heart Association — Ind.
\$22,000 12 months

Wiest, O.
SKIE/DFT Study of Pericyclic Reactions of Radical
Cations
ACS Petroleum Research Fund
\$20,000 24 months

Center for the Study of Contemporary Society

Hallinan, M.
Track Effects on Mathematics Learning
University of California at Santa Barbara
\$25,000 24 months

Electrical Engineering

Lemmon, M., Antsaklis, P.
Distributed Simulation of Complex Systems
Department of the Army
\$199,535 19 months

Physics

Ruggiero, S.
Single Electron Tunneling
Department of Energy
\$194,471 36 months

Barabasi, A.
Interface Motion in Disordered Environment
ACS Petroleum Research Fund
\$20,000 24 months

Furdyna, J., Dobrowolska-Furdyna, M.
II-VI Semiconductor Heterostructures
Purdue University
\$1,118,044 60 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

South Bend Center for Medical Education

Olson, K.

Volume Regulation and CV Homeostasis in Fish
National Science Foundation
\$422,148 36 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Psychology

Borkowski, J., Whitman, T.

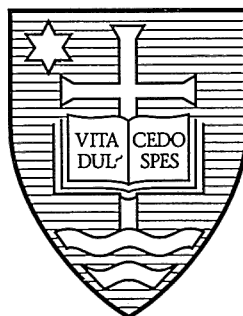
Notre Dame Mental Retardation Training Program
John Merck Fund
\$274,000 60 months

PROPOSALS FOR OTHER PROGRAMS

Reilly Center

Mirowski, P., Sent, E.

The Need for a New Economics of Science
National Science Foundation
\$23,058 18 months



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