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Notre Dame

R E P O R T

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1991-92

The University

Hesburgh Center Dedicated

The Theodore M. Hesburgh Center for International Studies was dedicated September 13-14 as the first event in the University's Sesquicentennial. The Hesburgh Center houses the Joan B. Kroc Institute for International Peace Studies and the Helen Kellogg Institute for International Studies. Hesburgh, president emeritus, and Kroc, whose \$12 million in gifts to Notre Dame made possible the peace studies program and the Hesburgh Center, both took part in the dedication.

There were two symposia under the overall title "Global Peace and Development: Prospects for the Future" and panel discussions on "Prospects for the Hemisphere" and "Peacemaking in the Global Context." At the convocation the University conferred honorary doctor of laws degrees on the following individuals:

Lester R. Brown. One of the world's most influential environmentalists, Brown is the founder, president and senior researcher of Worldwatch Institute.

Fernando Henrique Cardoso. He is internationally known for his scholarship in fields including the sociology of development, the theory of dependency, authoritarian political regimes and redemocratization.

Alejandro Foxley. A key figure in one of the world's fastest growing economies, Foxley serves as Chile's minister for finance after a distinguished academic career that included positions at Oxford, M.I.T. and the University of California at Berkeley, in addition to Notre Dame. He and Guillermo O'Donnell were the first scholars named to the faculty of the Kellogg Institute and he remains Helen Kellogg Professor in International Development.

Randall C. Watson Forsberg. One of the leading figures in the world peace movement, Forsberg founded and directs the Institute for Defense and Disarmament Studies.

Ivan L. Head. A noted authority on both international law and foreign policy, Head served for 10 years as Prime Minister Pierre Elliott Trudeau's special assistant for international relations. He recently was appointed professor of law at the University of British Columbia after completing three terms as president of the International Development Research Centre.

Spurgeon M. Keeny Jr. One of the world's foremost authorities on nuclear disarmament, Keeny has been engaged in national security and arms control activities for more than 40 years. He is president and executive director of the Arms Control Association.

Abraham F. Lowenthal. A leading figure in Latin American studies in the United States, Lowenthal has been a

professor of international relations at the University of Southern California since 1984 and the founding director of the Latin American Program at the Woodrow Wilson International Center for Scholars.

Thomas R. Odhiambo. One of Kenya's most distinguished scientists and one of the world's leading authorities on tropical insects, Odhiambo founded and directs the International Centre for Insect Physiology and Ecology in Nairobi.

Sadako N. Ogata. A prominent expert on international human rights, Ogata is in her first year as United Nations High Commissioner for Refugees.

Nadeau Establishes Scholarship

The University has received a \$100,000 gift from Robert B. Nadeau Jr. of Altamonte Springs, Fla., to establish a scholarship fund for undergraduate students. Nadeau an attorney in Orlando, Fla., was graduated from Notre Dame in 1972. His gift honors his father, Robert B. Nadeau.

The Robert B. Nadeau Scholarships will be awarded annually to outstanding undergraduates who are enrolled in the College of Business Administration and in need of financial assistance to continue their education.

Credit Union Gives Sesquicentennial Gift

Notre Dame has received a \$25,000 gift from the Notre Dame Credit Union on the occasion of the Sesquicentennial of the University and the 50th anniversary of the credit union. The unrestricted endowed scholarship marks the first time the credit union has made a gift to the University. Although the university and credit union share the name Notre Dame, they are not formally affiliated.

Phi Beta Kappa Information

Members of the faculty who are also members of Phi Beta Kappa are invited to affiliate with the Notre Dame Chapter, Epsilon of Indiana. Faculty members currently not in communication with the chapter who are interested in affiliating are asked to contact the secretary of the Notre Dame Chapter, Prof. John Derwent, at the Mathematics Department. Interested faculty are asked in a note to the secretary to supply the year of their initiation and the name of the college or university where they were initiated.

Faculty Notes

Honors

Rev. Theodore M. Hesburgh, C.S.C., president emeritus and professor emeritus of theology, has been nominated by President Bush to serve on the board of directors of the United States Institute of Peace. Based in Washington, the institute was created by Congress in October 1984. Through a variety of programs, grants, fellowships, education and training services, conferences and publications, the institute seeks to promote worldwide peace and the resolution of international conflicts without violence. The 1991 fiscal year appropriation for the institute was almost \$8.4 million. Senate confirmation hearings on Hesburgh's nomination are expected to take place in October.

Rev. Thomas F. O'Meara, O.P., Warren professor of theology, has been awarded the prestigious John Courtney Murray Award by the Catholic Theology Society of America. This award has been given each year for over 25 years to a particular American theologian. The recipient is nominated by the 1300 members of the society and by the officers.

Jean A. Pec, associate librarian, was appointed to the Policy and Research Committee, Serials Section, of the Association for Library Collections and Technical Services.

Activities

Mark S. Alber, assistant professor of mathematics, gave the invited talk "Complex Geometric Asymptotics" at the Quantized Geometry Conference at Ohio State University in Columbus, Ohio, May 25-27. He presented "On Singularities and Geometric Phases for the Systems on the Jacobian Fibrations" at the XXth international conference on Differential Geometric Methods at Baruch College, the City University of New York, N.Y., June 3-7. He gave the talk "Geometric Phases for Integrable Systems" at the NATO Advanced Research Workshop on Singular Limits of Dispersive Waves at Ecole Normale Supérieure in Lyon, France, July 8-12.

Panos J. Antsaklis, professor of electrical engineering, presented two papers titled "New Boundson Parameter Uncertainties for Robust Stability" and "Timing Characteristics of Hierarchical Discrete Event Systems" and participated in the professional and editorial meeting at the 1991 American Control Conference in Boston, Mass., June 26-28. He presented a paper on "A Garsson Neural Network Implementation for Control Scheduling" and chaired a session on Neural Networks at the 1991 IEEE international symposium on Intelligent Control in Arlington, Va., Aug. 13-15.

Peter H. Bauer, assistant professor of electrical engineering, presented the lecture "A Necessary and Sufficient Condition

for Robust Stability of Time-Variant Discrete Tuberval Matrices" to the Swiss Federal Institute of Technology in Zurich, Switzerland, Aug. 21. He was invited to the institute for research collaboration in the area of robust stability.

Bruce A. Bunker, associate professor of physics, presented "EXAFS Studies of Alloys, Interfaces, and Phase Transitions" at the Physics Colloquium at the Illinois Institute of Technology in Chicago, Ill., Aug. 28.

Francis J. Castellino, dean of science and Kleiderer-Pezold professor of biochemistry, presented a symposium address titled "Glycosylation of Recombinant Human Plasminogen in Several Cell Lines" at the Analytical Chemistry Division of the "American Chemical Society annual meeting in New York, N.Y., Aug. 26. He was appointed to a panel for review of biomedical grant applications for the Texas Advanced Technology Program in Austin, Tex.

Kevin J. Christiano, associate professor of sociology, participated in a panel discussion on the topic "Disenchantment as a Sociological Imperative" at the annual meeting of the Association for the Sociology of Religion in Cincinnati, Ohio, Aug. 21.

Sr. Regina Coll, C.S.J., associate professional specialist in theology, taught the course "Church and Ministry" at Loyola University in New Orleans, La., June 17-July 12. She presented "Women's Spirituality and Peacemaking" at Pax Christie in New Orleans, La., June 27. She presented "Ministry: Covenant with God" and "Ministry: Covenant with the Christian Community" to diocesan administrators in the diocese of Green Bay, Wis., Aug. 20.

J. Michael Crant, assistant professor of management, presented a paper titled "Attributions of Credit and Blame: Predictors and Consequences" at the national meeting of the Academy of Management in Miami, Fla., Aug. 13.

Charles Craypo, chairman and professor of economics, presented a paper titled "Regional Industrial Restructuring Without Labor Union Participation" at the Industrial Restructuring and Labor Standards conference of the International Institute for Labor Studies of the International Labour Organization (UN) in Bratislava, Czechoslovakia, May 7.

Fred R. Dallmayr, Dee professor of government and international studies, presented a talk on "Religion and the State: Post-Hegelian Reflections" at the annual meeting of the U.K. Political Studies Association in Lancaster, England, April 16. He presented a lecture on "Heidegger and Nishitani on Thinghood" at a conference on American and Japanese Phenomenology held at Seattle University in Seattle, Wash., June 24-24. He presented a talk on "Tradition and Modernity (with Special Reference to Confucianism)" at an international symposium on Traditional Chinese Thought and Culture and the 21st Century held at Nanjing University in

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China, June 28-July 2. Dallmayr presented a lecture on "Homecoming Through Otherness: Heidegger, Hölderlin, Trakl" at the annual meeting of the Collegium Phaenomenologicum in Perugia, Italy, Aug. 1. He chaired a panel on "America as Model for the World?" and served as a discussant on a panel on "Mirrors of Otherness: Multiple Selves" at the annual meeting of the American Political Science Association held in Washington, D.C., Aug. 29-Sept. 2.

Roberto A. DaMatta, Joyce professor of anthropology and faculty fellow in the Kellogg Institute, gave a lecture for faculty and students at the Federal University of Paraíba in Campina Grande, Brazil, June 25-26. He gave the paper "The Periphery is not Empty" at the plenary section of the XV World Congress of Political Sciences in Buenos Aires, Argentina, July 21-25. He gave a seminar for the Government of Ceará State for the local university and local businessmen in Fortaleza, Brazil, Aug. 2-3. DaMatta gave a seminar for faculty and graduate students at the University of Campinas, Sao Paulo State, Aug. 5-6. He gave a paper on "Nepotism: The Non-Invited Guest" for the lecture series on citizenship in Brazil, organized by the Bank Banmerindus and the Secretary of Culture of the State of Paraná in Curitiba, Brazil, Aug. 12-13. He lectured on the "Urban Space in Brazil" for the Department of Anthropology of the Federal University of Paraná, Aug. 14.

Rev. John R. Donahue, S.J., professor of theology, directed the 28th annual institute on Sacred Scripture and gave five lectures on "Ministry and Office in the New Testament Churches" at Georgetown University in Washington, D.C., June 16-21. He delivered four lectures on "Narrative Structure and Theological Meaning in the Sermon on the Mount" at the 18th annual summer Scripture Institute at the Center for Development in Ministry at the University of St. Mary of the Lake in Mundelein, Ill., June 23-25. He responded to a paper by John Heil on "The Narrative Structure of Matthew 27:55-28:20" and as a member of the program committee, organized and moderated a panel discussion on "The Challenge to Biblical Studies of the New Literary Criticism" at the annual meeting of the Catholic Biblical Association at Loyola Marymount University in Los Angeles, Calif., Aug. 10-13.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, presented the invited talks titled "Compliant Coating Research in the Soviet Union" and "Flow Control" at the U.S. Office of Naval Research — London Branch, Aug. 29, and at Cambridge University, England, Sept. 2. He was an expert opponent during the doctoral dissertation of B.G.B. Klingmann titled "Laminar-Turbulent Transition in Plane Poiseuille Flow" at the School of Applied Mechanics, Royal Institute of Technology, Stockholm, Sweden, Sept. 27. He is spending the academic year 1991-92 as a visiting professor at the Institut de Mécanique de Grenoble, France.

Rev. Patrick D. Gaffney, C.S.C., associate professor of anthropology, gave the invited lecture "Of What Stuff is Our Olive Branch Made: The U.S. and the Middle East After the Gulf War" sponsored by the United Nations Association of the U.S.A., St. Joseph County Chapter, at the First United Methodist Church in South Bend, Ind., April 5. He gave an invited presentation "An Islamic Perspective on the Lessons of the Persian Gulf" at a conference on "The Ethical Dimensions of the 'Changing Use of Force' in International Affairs" sponsored by the Midwest Consortium for International Security Studies and the Institute for International Peace Studies held at the Hesburgh Center for International Studies, Notre Dame, Ind., May 30.

Denis Goulet, O'Neill professor in education for justice, presented the paper "International Ethics and Human Rights" to the Séminaire d'Été pour la Haute Direction sponsored by Ecole Nationale d'Administration Publique at the Université de Québec at Pointe-du-Lac, Québec, Canada, Aug. 23.

Jeffrey C. Kantor, associate professor of chemical engineering, presented an invited seminar "Hybrid Models for Process Control" at the Amoco Research Center in Naperville, Ill., Aug. 28.

Barry P. Keating, Jones professor of finance and business economics in the United States: The American OPEC" for the American Political Science Association at the Brookings Institution in Washington, D.C., Aug. 30.

David C. Leege, professor of government and international studies and director of the Hesburgh Program in Public Service, delivered a paper titled "The Roman Catholic Church in the United States: Internal Secularization or Adaptation to American Culture?" at the fifth annual Thurnauer Kulturwissenschaftliche Gespräche, May 31. He lectured on "The Measurement of Religiosity in Studies of American Voting Behavior" at the Amerika-Forschungsstelle, University of Bayreuth, Germany, June 2.

George A. Lopez, faculty fellow in the Kroc Institute for International Peace Studies and associate professor of government and international studies, presented a convocation address "Internationalizing the Campus and the Curriculum" at the opening faculty convocation of Valparaiso University in Valparaiso, Ind., Aug. 23.

Paul McGinn, assistant professor of electrical engineering, presented the talk "Microstructure Effects in Zone Melt Textured $YBa_2Cu_3O_{6+x}$ with Y_2BaCuO_5 and $BaSnO_3$ Additions" and served as chairman of the Group 1 session titled "New and Improved High T_c Superconducting Materials: Phase Relations, Reactions, Synthesis and Processing" at the meeting of the Midwest Superconductivity Consortium at Purdue University in West Lafayette, Ind., July 31-Aug. 1.

Faculty Notes

Ralph M. McInerny, Grace professor of Medieval Studies, director of Maritain Center and professor of philosophy, gave a radio interview by Kevin Joyce on Station WJR, Detroit, Mich., Aug 22. He presented the lecture "The Being of Virtue and the Virtue of Being" at Hillsdale College in Hillsdale, Mich., Sept. 6.

Dian H. Murray, associate professor of history, presented the paper "Migration, Protection, and Racketeering: The Spread of the Tiandihui Within China" at the national meeting of the Association for Asian Studies in New Orleans, La., April 12. She gave the invited seminar presentation "New Perspectives on the Origin of the Tiandihui (Heaven and Earth Society)" at the University of Michigan in Ann Arbor, Mich., April 16. She gave the invited lecture "Legend, Archive, Myth and History: The Heaven and Earth Society (Tiandihui) in China" at Cornell University in Ithaca, N.Y., April 23. She presented the invited paper "Living and Working Conditions in Chinese Pirate Communities, 1750-1850" and chaired a panel titled "Government Contra Privateering and Piracy" at the conference on "Privateering and Piracy in an International Perspective, 1750-1850" in conjunction with the University of Leiden and the Dutch Society for Maritime History in Middleburg, The Netherlands, May 31.

Rev. Edward D. O'Connor, associate professor of theology, gave the lecture "What is the Lord Trying to Tell Us Today?" at the Mid-American Marian Conference in St. Joseph, Mo., Sept. 6-8.

Rev. Thomas O'Meara, O.P., professor of theology, presented the seminar "Is There a Post-Modern Theology?" to the Catholic Theology Society of America in Atlanta, Ga., June 13. He taught a workshop on "Theology of Ministry" at the Aquinas Institute of Theology in St. Louis, Mo., June 20-26.

Mark C. Pinkinton, chairman and professor of communication and theatre, gave the invited paper "Indoor and Outdoor in Bristol" at the 26th international congress on Medieval Studies in Kalamazoo, Mich., May 9-12. He presented the papers "Instructive Obscenity in *Good*" and "The Inadequacies of Scientific Historiography in Teaching Theatre History" at the national conference of the Association for Theatre in Higher Education in Seattle, Wash., Aug. 6-11.

Joachim J. Rosenthal, assistant professor of mathematics, gave the invited talk "On Minimal Order Dynamical Compensators of Low Order Systems" at the European Control Conference in Grenoble, France, July 2-5. He presented "The Geometry Behind the Pole Placement Problem" to the Centro Nazionale di Ricerca in Padova, Italy, July 8-10. He gave the invited talk "On Kronecker Indices of Transfer Functions and Autoregressive Systems"

at the second international symposium on Implicit and Robust Systems in Warsaw, Poland, July 17-19. He presented the talk "A Geometric Formulation of the Pole Placement Problem" at the Swiss Federal Institute of Technology in Lausanne, Switzerland, July 26.

James H. Seckinger, director of the National Institute for Trial Advocacy and professor of law, gave a presentation on NITA Teaching Techniques at the NITA Rocky Mountain Regional 10th Anniversary Program at the University of Denver School of Law in Denver, Colo., Aug. 11. He gave an invited lecture on Closing Argument to the Young Lawyers Conference of the Canadian Bar Association in Calgary, Alberta, Canada, Aug. 18.

Andrew J. Sommese, chairman and professor of mathematics, was an invited participant and gave a talk "The Adjunction Theory of Projective Varieties" at the Klassifikation komplexalgebraischer Varietaten Conference at the Mathematisches Forschungsinstitut in Oberwolfach, Germany, Aug. 25-31.

Rev. Francis S. Tebbe, O.F.M., associate director of the Institute for Pastoral and Social Ministry and associate professional specialist, was the guest speaker at Madonna University fall faculty conference in Livonia, Mich., Aug. 27. He lectured on the topic "A Spirituality for Educational Leaders."

M. Katherine Tillman, associate professor in the Program of Liberal Studies, delivered an invited address "La idea de una Universidad según Newman" at an international conference on the thought of Cardinal Newman, University of Madrid, El Escorial, Spain, Aug. 4-6. She was a respondent on two panels on recent biographies of Newman and on his influence on the Second Vatican Council at that conference.

Stephen H. Watson, associate professor of philosophy, presented "On Nicholson on Heidegger after the Turn" at the Heidegger Conference held at Vanderbilt University in Nashville, Tenn., June 1. He presented "Quarreling Between the Ancients and the Moderns: Between Strauss and Gaddamer" at a conference on Philosophical Hermeneutics and Greek Philosophy held at the University of Heidelberg, July 5-8. He presented "Hegel, the Plasticity of Character, and the Prose of the World" at the Collegium Phaenomenologicum in Perugia, Italy, July 11. Watson has been named the director of the 1992 month-long session of the collegium held annually in Perugia.

Deaths

Francis E. Moran, professor emeritus of English, Aug. 17.

Documentation

University Committee on Libraries June 12, 1991

The meeting was called to order at 7:30 a.m. at the Morris Inn by the chairman, John Lucey. Also in attendance were Harvey Bender, Maureen Gleason, Robert Miller, Michael Morris, Dan Sheerin and secretary Melodie Eiteljorge.

The minutes of the meeting of May 14 were approved with a correction.

Robert Miller distributed a copy of a Library Impact Assessment form from Northwestern, which is to be completed by deans, department chairs and directors whenever making substantive changes in courses, establishing new programs or research centers, appointing new tenured or tenure tract faculty or establishing new endowed positions. He will discuss this and other matters with the provost at a meeting on Friday. Harvey Bender suggested that a briefer form be used as a first vehicle.

Miller announced that the University Libraries have been awarded a major NEH grant for preservation. He reported also that a contract has been signed for the purchase of the Herbert Marshall Archives, a collection on Soviet poetry, cinema and theatre.

Miller was asked about library hours. Other than in engineering, where financial assistance was received from the department, he does not foresee any further extension of hours for next year. He does not intend to increase hours in Hesburgh until branch hours can be extended. He is aware that students would like 24-hour service during exam weeks. He will put together a cost estimate on providing 24-hour service in Hesburgh. This will be an agenda item for early next year.

Bender suggested that guests be invited to some of next year's meetings, including librarians from Notre Dame, Indiana University, Bethel, Holy Cross, etc. Miller added that this might be done in connection with the Statewide University Library Automation Network (SULAN).

The main agenda item was serials cancellations and the 1991-92 acquisitions budget. Maureen Gleason distributed lists of cancellations approved by the Collection Development Committee, one of the titles to which there were no objections and one of those that received objections. In some cases, the reasons for cancellation seemed to outweigh the objection. Each department or fund will receive a letter describing action to be taken for its budget, along with a list of cancellations. Everyone who responded to her March 22 letter will receive a reply. After some discussion, the committee approved the list of cancellations.

Miller reported that there are a few changes in UNLOC commands with the newly implemented 4.6.1 version of NOTIS. There will be more drastic changes when version 5.0 is installed sometime in August. The most noticeable change is that entries will be labeled.

The next meeting, which will be an organizational meeting for the year, is scheduled for Thursday, August 29, 7:30 a.m., at the Morris Inn. There being no further business, the meeting adjourned at 8:40 a.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

Documentation

University Libraries' Hours During Mid-semester and Fall Break October 18-27, 1991

Date	Hesburgh Library		University Departmental Libraries
	Building	Public Services	
Friday, October 18	8 a.m. - midnight	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.
Saturday, October 19	9 a.m. - midnight	9 a.m. - 5 p.m.*	Closed***
Sunday, October 20	1 p.m. - midnight	Closed	Closed***
Monday, October 21 through Thursday, October 24	8 a.m. - midnight	8 a.m. - 5 p.m.**	8 a.m. - 5 p.m.***
Friday, October 25	8 a.m. - midnight	8 a.m. - 5 p.m.	8 a.m. - 5 p.m.
Saturday, October 26	9 a.m. - midnight	9 a.m. - 5 p.m.*	Closed***
Sunday, October 27	All libraries return to regular schedule		

* The following public service units will be open Saturdays:
Circulation
Current Periodicals/Microtext
Reference Services

**Current Periodicals/Microtext will be open until 10 p.m.

*** The Engineering Library will be open the following times:
Monday through Thursday 8 a.m. - 8 p.m.
Saturdays 10 a.m. - 2 p.m.
Sunday 1 - 5 p.m.

The Kellogg Information Center will be open Monday through Friday from 9 a.m. - 1 p.m. and 2 - 6 p.m.

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.

P.D. Gaffney and D.B. Burrell. 1991. The Prophet and His Children: Understanding Islam. *Commonweal* 118(5):162-164.

P.D. Gaffney. 1991. The Mother of Challenges. *Notre Dame Magazine* 20(1):15-17.

P.D. Gaffney. February 1991. When Curtains Rise and Fall: The Gulf Crisis and the New World Order. *Common Sense* Vol. 5(No. 4):1-3.

P.D. Gaffney. 1991. Donner sa Place à la Parole: Mosquées et Prédicateurs en Egypte Contemporaine. Pages 101-113 in, Dossiers du CEDEJ, ed., Modernisation et Nouvelles Formes de Mobilisation Sociale, Egypte-Brésil 1970-1989. Centre d'Etudes et de Documentation Economique, Juridique et Sociale, Cairo, Egypt.

P.D. Gaffney. 1991. Review of Development and Social Change in Rural Egypt by Richard H. Adams. *International Journal of Middle East Studies* 23(1):101-102.

P.D. Gaffney. March 1991. Muslims are Our Neighbors Not Strangers. *The Disciple* Vol. 1(No. 1):2-4.

P.D. Gaffney. 1991. The Changing Voices of Islam: The Emergence of Professional Preachers in Contemporary Egypt. *The Muslim World* 82(1):27-47.

Economics

Dutt, Amitava K.

M.J. Willumsen and A.K. Dutt. 1991. Café, Cacau e Crescimento Econômico No Brasil. *Revista de Economia Política* 11(3):49-67.

Romance Languages and Literatures

Welle, John P.

J.P. Welle. 1991. Delio Tessa and Greta Garbo: Notes on the Poet as Film Critic. *L'anello che Non Tiene* 2(Fall 1990):33-41.

J.P. Welle. 1991. Review of La Doppia Finzione by Adeodato Piazza Nicolai, Chicago: Insula, 1988. pp. 96. *L'anello che Non Tiene* 2(Fall 1990):133-137.

J.P. Welle. 1991. Pasolini's Friulian Academy, Dialect Poetry, and Translation Studies. *Romance Languages Annual* Vol. 2:286-290.

J.P. Welle. 1991. Review of Andrea Zanzotto: The Language of Beauty's Apprentice by Beverly Allen, Berkeley: University of California Press. *Modern Philology* 88(4):479-481.

Philosophy

Burrell, David B.

See under ANTHROPOLOGY; Gaffney, Patrick D. 1991. *Commonweal* 118(5):162-164.

Theology

McBrien, Richard P.

R.P. McBrien. 1991. Roman Catholic Church. Pages 876-882 in, N. Lossky, J.M. Bonino, J. Pobee, T. Stransky, G. Wainwright and P. Webb, eds., Dictionary of the Ecumenical Movement. WCC Publications, Geneva, Switzerland.

COLLEGE OF SCIENCE

Biological Sciences

Munstermann, Leonard E.

L.E. Munstermann. 1991. SWAT Team Success Story. *Natural History* 7/91:61-63.

Chemistry and Biochemistry

Fehlner, Thomas P.

See under Haller, Kenneth J. 1991. *Inorganic Chemistry* 30:3120-3121.

A.A. Aradi, F.-E. Hong and T.P. Fehlner. 1991. Incorporation of a Complexed AIH Fragment into a Metallacycle. Preparation and Characterization of $\text{CpCoC}_4\text{Ph}_4\text{AIH-NEt}_3$. *Organometallics* 10:2726-2731.

George, Manapurathu V.

See under RADIATION LABORATORY; Kamat, Prashant V. 1991. *Research on Chemical Intermediates* 15:271-291.

Haller, Kenneth J.

W. Cen, K.J. Haller and T.P. Fehlner. 1991. Transition-Metal Clusters as Substituents. Synthesis, Structure, and Thermal Decomposition of $\text{Zn}_4\text{O}[(\text{CO})_9(\text{CO}_3(\mu_3\text{-CCO}_2))]_6$. *Inorganic Chemistry* 30:3120-3121.

Thomas, J. Kerry

J.K. Thomas. 1990. Colloidal Semiconductors. Pages 759-771 in, D.M. Bloor and E. Wyn-Jones, eds., The Structure, Dynamics and Equilibrium Properties of Colloidal Systems, Kluwer Academic Publishers. Netherlands.

The Graduate School Research Division

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Jumper, Eric J.

E.J. Jumper, P. Merritt, S. Lamberson, G. Gates and J.J. Bertin. 1991. Time-Resolved Force and Moment Measurements on a Cubic Body in a Cross Flow: Implications to Wing-Induced Jitter of Telescopes. Pages 1-9 *in*, Proceedings of the 29th Aerospace Sciences Meeting (AIAA-91-0554). American Institute of Aeronautics and Astronautics. Reno, Nevada.

E.J. Jumper and R.J. Hugo. 1991. Simple Theories of Dynamic Stall That are Helpful in Interpreting Computational Results. *Computer Physics Communications* 65:158-163.

W.A. Seward and E.J. Jumper. 1991. Model for Oxygen Recombination on Silicon-Dioxide Surfaces. *Journal of Thermophysics and Heat Transfer* 5(3):284-291.

Electrical Engineering

Antsaklis, Panagiotis J.

See under Michel, Anthony N. June 1991. Lyapunov Stability of a Class of Discrete Event Systems. Pages 2911-2916 *in*, Proceedings of the 1991 American Control Conference. Boston, Massachusetts.

Michel, Anthony N.

J. Si and A.N. Michel. June 11-14, 1991. Analysis and Synthesis of Discrete-Time Neural Networks with Multi-Level Threshold Functions. Pages 1461-1464 *in*, Proceedings of the 1991 IEEE International Symposium on Circuits and Systems. Singapore.

G. Yen and A.N. Michel. June 11-14, 1991. A Learning and Forgetting Algorithm in Associative Memories: Results Involving Pseudo-Inverses. Pages 778-781 *in*, Proceedings of the 1991 IEEE International Symposium on Circuits and Systems. Singapore.

K. Passino, A.N. Michel and P.J. Antsaklis. June 1991. Lyapunov Stability of a Class of Discrete Event Systems. Pages 2911-2916 *in*, Proceedings of the 1991 American Control Conference. Boston, Massachusetts.

M. Radenkovic and A.N. Michel. June 1991. Verification of the Self-Stabilization Mechanism in Robust Stochastic Adaptive Control Using Lyapunov Function Arguments. Pages 144-149 *in*, Proceedings of the 1991 American Control Conference. American Automatic Control Council, Boston, Massachusetts.

D.L. Gray and A.N. Michel. June 11-14, 1991. The Cross Propagation Training Algorithm and Associated Architecture. Pages 1485-1488 *in*, Proceedings of the 1991 IEEE International Symposium on Circuits and Systems. Singapore.

A.N. Michel, M.A. Pai, H.F. Sun and C. Kudig. June 11-14, 1991. Interval Analysis Techniques in Linear Systems: An Application in Power Systems. Pages 978-981 *in*, Proceedings of the 1991 IEEE International Symposium on Circuits and Systems. Singapore.

A.N. Michel. July 1991. Analysis and Synthesis Methods of Neural Networks for Associative Memories. Pages 1126-1127 *in*, Proceedings of the 13th IMACS World Congress on Computation and Applied Mathematics. Dublin, Ireland.

L.T. Grujic and A.N. Michel. July 1991. Discrete-Time Mathematical Models of Neural Networks Under Structural Variations. Pages 1256-1257 *in*, Proceedings of the 13th IMACS World Congress on Computation and Applied Mathematics. Dublin, Ireland.

A.N. Michel and L.T. Grujic. July 1991. Mathematical Modelling of Continuous-Time Neural Networks Under Structural Variations. Pages 1254-1255 *in*, Proceedings of the 13th IMACS World Congress on Computation and Applied Mathematics. Dublin, Ireland.

A.N. Michel and L.T. Grujic. July 1991. Qualitative Analysis of Continuous-Time Neural Networks Under Structural Variations. Pages 1260-1261 *in*, Proceedings of the 13th IMACS World Congress on Computation and Applied Mathematics. Dublin, Ireland.

L.T. Grujic and A.N. Michel. July 1991. Qualitative Analysis of Discrete-Time Neural Networks Under Structural Variations. Pages 1262-1263 *in*, Proceedings of the 13th IMACS World Congress on Computation and Applied Mathematics. Dublin, Ireland.

Radenkovic, Miloje

See under Michel, Anthony N. June 1991. Verification of the Self-Stabilization Mechanism in Robust Stochastic Adaptive Control Using Lyapunov Function Arguments. Pages 144-149 *in*, Proceedings of the 1991 American Control Conference. American Automatic Control Council, Boston, Massachusetts.

Si, J.

See under Michel, Anthony N. June 11-14, 1991. Analysis and Synthesis of Discrete-Time Neural Networks with Multi-Level Threshold Functions. Pages 1461-1464 *in*, Proceedings of the 1991 IEEE International Symposium on Circuits and Systems. Singapore.

Yen, G.

See under Michel, Anthony N. June 11-14, 1991. A Learning and Forgetting Algorithm in Associative Memories: Results Involving Pseudo-Inverses. Pages 778-781 *in*, Proceedings of the 1991 IEEE International Symposium on Circuits and Systems. Singapore.

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RADIATION LABORATORY

Kamat, Prashant V.

B. Pandey, M.P. Mahajan, R.K. Tikare, M. Myneer, N.P. Rath, P.V. Kamat and M.V. George. 1991. Electron Transfer Reactions. Reaction of Tetracyclone, Tetraphenylfuran and Related Substrates with Potassium. *Research on Chemical Intermediates* 15:271-291.

Madden, Keith P.

K.P. Madden and H. Taniguchi. 1991. An in Situ Radiolysis Time-Resolved Electron Spin Resonance Study of 2-Methyl-2-Nitrosopropane Spin Trapping Kinetics. *Journal of the American Chemical Society* 113(15):5541-5547.

Taniguchi, Hitoshi

See under Madden, Keith P. 1991. *Journal of the American Chemical Society* 113(15):5541-5547.

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Awards Received and Proposals Submitted

AWARDS RECEIVED

In the period August 1, 1991, through August 31, 1991

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	643,712	10	479,536	17	1,123,248
Facilities and Equipment	0	0	2	352,200	2	352,200
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	8	76,700	8	76,700
Other Programs	<u>0</u>	<u>0</u>	<u>2</u>	<u>646,905</u>	<u>2</u>	<u>646,905</u>
Total	7	643,712	22	1,555,341	29	2,199,053

PROPOSALS SUBMITTED

In the period August 1, 1991, through August 31, 1991

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	30,879	9	2,983,006	11	3,013,885
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	3,750	0	0	1	3,750
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	3	34,629	9	2,983,006	12	3,017,635

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Awards Received

In the period August 1, 1991, through August 31, 1991

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Aerospace and Mechanical Eng.	Huang	Simulation of Waterflood- induced Fracturing	Amoco Production Company	25,000 12
Aerospace and Mechanical Eng.	Huang	Flow Field Modelling of Oil Formation	Shell Development Company	12,498 6
Biological Sciences	Hyde	Molecular Analysis of Photo- transduction in <i>Drosophila</i>	National Institute of Health	152,337 12
Biological Sciences	Bender	Human Genetics Program	Indiana State Board of Health	61,375 12
Biological Sciences	Carlton	Biogeochemistry and Epipellic Algae	National Science Foundation	149,856 24
Civil Eng. and Geological Science	Spencer, Kirkner	Finite Element Analysis	Department of Air Force	9,999 3
Chemistry and Biochemistry	Thomas	Clay Studies	Environmental Protection Agency	135,000 12
Chemistry and Biochemistry	Tannor	Sloan Research Fellowship	Sloan Foundation	30,000 24
Electrical Engineering	Lemmon	Multiagent Search for Learning/ Planning in Colony-Style Robots	National Science Foundation	59,970 24
Electrical Engineering	Sain, Bauer, et al.	Clark Clutch Plates	Clark Components International	30,000 5
Electrical Engineering	Costello	Coding and Coded Modulation Techniques	NASA - Goddard Space Flight	48,000 9
Graduate School	Diffley	Japan STA Program: Mosquitoes	National Science Foundation	9,330 30
Mathematics	Stanton	Partial Differential Equations and Several Complex Variables	National Sciences Foundation	34,933 24
Physics	Darden	Study of 15N Using Polarized Protons	National Science Foundation	7,950 24
Physics	Shepherd, Cason, et al.	Experimental Research in Elementary Particle Physics	National Science Foundation	64,000 12
Physics	Poirier	Research at Ultra High Energies	National Science Foundation	150,000 12

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Radiation Laboratory	Schuler	Effects of Radiation on Matter	Department of Energy	143,000 12
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AWARDS FOR FACILITIES AND EQUIPMENT

Physics	Furdyna, Dobrowolska, et al.	Heterovalent Molecular Beam Epitaxy	National Science Foundation	322,200 18
Physics	Tanner	Absolute Calibration of Atomic PNC Measurements	National Institute Standards & Tech.	30,000 12

AWARDS FOR SERVICE PROGRAMS

ND Center for Pastoral Liturgy	Bernstein	Center for Pastoral Liturgy	Various Others	3,416 1
Ctr. for Continuing Form. in Ministry	Pelton	Center for Continuing Formation in Ministry	Various Others	64,622 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./Shaheen Bishops Fund	Various Others	175 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./International Consultation	Various Others	500 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./Dynamic Parish	Various Others	416 1
Inst. Pastoral Social Ministry	Pelton	I.P.S.M./Operating Account	Various Others	21 1
Latin/N. American Church Concerns	Pelton	I.P.S.M./LANACC	Various Others	50 1
Programs for Church Leaders	Kelly	Programs for Church Leaders	Various Others	7,500 1

AWARDS FOR OTHER PROGRAMS

University Libraries	Jordan, S.	Preservation Microfilming of the Medieval Institute Collection	Natl. Endowment for the Humanities	629,405 36
Graduate School	Hatch	Doctoral and Postdoctoral Fellowship Programs for Minorities	Ford Foundation	17,500 11

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Proposals Submitted

In the period August 1, 1991, through August 31, 1991

Department or Office	Principal	Short Title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Aerospace and Mechanical Eng.	Gad-el-Hak, Paolucci, et al.	Control of Turbulence	NASA - Lewis Research Center	278,405 36
Aerospace and Mechanical Eng.	Atassi	Aerodynamics and Aeroacoustics of Nonuniform Flows	NASA - Lewis Research Center	15,859 3
American Studies	Allen	Western Museums as Vernacular Expressions	Natl. Endowment for the Humanities	44,610 8
Civil Eng. and Geological Science	Halfman	High-Resolution Paleoclimatic Analysis in Lake Superior	Natl. Oceanic & Atmos. Admin.	83,367 24
Civil Eng. and Geological Science	Silliman, Babic	Particle Transport through Heterogeneous Porous Media	Department of Energy	394,923 36
Chemical Engineering	Varma	Combustion Synthesis of Oxide Superconductors	Purdue University	15,020 11
Chemistry and Biochemistry	Basu, S.	Biochem. Studies w/Human Colon Carcinoma & Prostate Tumor Cell	United Health Services	11,153 12
Physics	Biswas, Ruchti, et al.	Collider Experiments	National Science Foundation	1,801,862 36
Physics	Kolata	Test & Use a Bragg Curve Detector with Fragment Mass Analyzer	Argonne National Lab.	12,000 12
Psychology	Borkowski, Day	Enhancing Competencies in Head Start Parents & Their Children	Hansel Center	173,600 36
College of Science	Pollard	Prostate Cancer and Soybeans	National Institute of Health	183,086 24
PROPOSALS FOR INSTRUCTIONAL PROGRAMS				
Law School	McLean	The Food and Drug Law Course	Food & Drug Law Institute	3,750 12

Notre Dame

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