

notre dame report

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the university

endowed chair professors installed

Ten University faculty members were recently installed in endowed academic chairs.

Installed as chaired professors were:

Charles B. Alcock, Visiting Frank M. Freimann Professor of Materials Science and Engineering.

Jorge A. Bustamante, Eugene and Helen Conley Professor of Sociology.

Wladyslaw Fiszdon, Visiting Frank M. Freimann Professor of Aerospace and Mechanical Engineering.

Jacek K. Furdyna, Aurora and Tom Marquez Professor of Information Theory and Computer Technology.

John J. Gilligan, George N. Shuster University Professor and special assistant to the president for public policy.

Rev. Richard A. McCormick, S.J., John A. O'Brien Professor of Christian Ethics.

Philip L. Quinn, John A. O'Brien Professor of Philosophy.

Robert H. Schuler, John A. Zahm, C.S.C., Professor of Radiation Chemistry.

Rev. Robert F. Taft, S.J., Visiting John A. O'Brien Professor of Theology.

Robert P. Vecchio, Franklin D. Schurz Professor of Management.

gift to provide new women's dorm

The University has received a \$5 million gift from Henry J. Knott, chairman of the board of the Arundel Corporation in Baltimore, to construct a new women's residence hall on campus.

The new facility, which will be erected in the northeast section of campus, will be named Marion Burk Knott Hall, after Knott's wife. It will provide housing for approximately 250 student women. Construction plans call for Knott Hall's completion by the beginning of the 1987-88 academic year.

A Baltimore native, Knott was born Nov. 2, 1906. Educated in Baltimore's Catholic parochial schools, he studied for a year and a half at Loyola College before leaving to become a bricklayer. By the early 1930's he had established himself as a successful brick contractor, with 500 bricklayers in his employ. His business soon expanded to include house building and real estate development. His corporation today employs over a thousand workers.

Vol. 16, No. 5

November 14, 1986

Notre Dame Report (USPS 7070-8000) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Department of Public Relations and Information. Second-class postage paid Notre Dame, Ind. Postmaster: Please send address corrections to: Editor, Notre Dame Report, c/o Rm. 212, Administration Building, Notre Dame, IN 46556

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university acquires notis

Automated library services are expected to be available next spring at the University with the recent acquisition of NOTIS, the Northwestern Online Total Integrated System, a computer-based integrated library system developed at Northwestern University.

Notre Dame Trustee Emeritus John T. Ryan, Jr., board chairman of Mine Safety Appliances Co., Pittsburgh, Pa., enabled the acquisition with funds from the Irene O'Brien Ryan endowment fund he established at the University in honor of his wife. Automation of the libraries also includes the purchase of an IBM 4381 mainframe computer, to be located in the University Computing Center, and a network of 128 terminals distributed among the Memorial Library, law library, and the various campus branch libraries.

NOTIS capabilities, combined with hardware and software on the campus, will allow users at any library terminal or compatible personal computer to retrieve the same information now stored in the Memorial Library's main card catalogue. Users will be able to search the computerized catalogue by author, subject, title, or partial title. Circulation information will be provided, as will printers for paper copies of all information retrieved.

nd gets chicago library membership

The University Library has become a corporate member of the John Crear Library of the University of Chicago. This membership enables regular faculty members and senior University administrators to use all units of the University of Chicago Library. Among the more important privileges that are granted are the borrowing of materials from the circulating collections and direct access to stacks at any time that they are open to the University of Chicago community.

To utilize these services, advance arrangements must be made with George Sereiko, the Associate

Director of the University Library, who is the liaison and the custodian of the membership cards. For further information about this program and its provisions, please contact Sereiko at extension 5070 or at his office, 221E Memorial Library.

new academic robes approved

New academic robes have been approved for alumni holding the doctoral degree from Notre Dame. The new robes will be inaugurated officially at the May 17, 1987 Commencement.

Alumni with higher degrees from Notre Dame will soon be receiving information from Collegiate Cap and Gown Company in Champaign, Ill. A representative of the company will be at the Notre Dame bookstore on Nov. 17 and 18 to respond to inquiries and to measure faculty wishing to purchase the new robes. Rental arrangements for Commencement will occur at a later time.

development sets record

The University's Department of Development has set an institutional record in fund-raising for the second straight fiscal year, according to a report by Joseph G. Sandman, director.

Cash income has doubled in two years from \$24.2 million in fiscal year 1986. The 1986 figure is 43 percent more than the previous record-setting total in fiscal 1985. Sandman said that increased cash gifts were received from virtually all donor groups, including alumni (17 percent increase), friends (up 127 percent), and corporations (up 11 percent).

Notre Dame is ranked among the top 20 private institutions of higher learning in the country in size of endowment and amount of annual cash gifts received.

faculty notes

honors

J. Douglas Archer, associate librarian, was appointed chair of the State Program Award Committee, Intellectual Freedom Round Table, American Library Association beginning July, 1986 for a one-year term.

Victor J. Bierman, Jr., associate professor of civil engineering, has been appointed a member of the Technical Advisory Committee to the International Association for Great Lakes Research.

John G. Borkowski, professor of psychology, was recently appointed to four-year terms as associate editor of the "American Journal of Mental Deficiency" and as a member of the Research Review and Advisory Committee of the Center for Research and Innovation in Mental Retardation (Chicago, Ill.).

George B. Craig, Jr., professor of biological sciences, has been designated "Fellow of the Entomological Society of America," the award to be presented at the opening session of the 1986 National Conference, Reno, Nevada, Dec. 8.

Theodore J. Crovello, professor of biological sciences, has been appointed to a three-year term membership of the Commission for Biology Education of the International Union of Biological Sciences. He was also made a member of the National Advisory Board for "Elementary School Science and Health: Current Needs and Future Directions," a study conducted by the Biological Sciences Curriculum Study with the support of IBM.

Isaac Elishakoff, visiting Henry J. Massman chair professor of civil engineering, has been appointed associate editor of "Applied Mechanics Reviews," published by the ASME.

Leslie Griffin, assistant professor of theology, has been named guest editor of the supplemental issue of "The Review of Politics," spring, 1987.

Maureen Hallinan, William P. and Hazel B. White professor of sociology, was appointed to the advisory board of "Structural Analysis in the Social Sciences."

Edward A. Kline, professor and chairman of English and director of the Freshman Writing Program, was elected to the executive board of the Indiana Teachers of Writing for a two-year term and will serve as chair of the membership committee.

Thomas E. Larkin, Jr., managing director of Trust Company of the West in Los Angeles, has been appointed to the University's Advisory Council for the College of Business Administration by Rev. Theodore M. Hesburgh, C.S.C., University president. Larkin, a 1961 alumnus of Notre Dame, has been in investment management for 23 years and is on the advisory council for the Association of Investment Management Sales Executives.

Rev. Richard A. McCormick, S.J., John A. O'Brien professor of Christian Ethics, has been reappointed to the Ethics Committee of the American Hospital Association. He has also received an honorary doctorate of ministry from the College of the Holy Cross, Worcester, May 23.

Anthony M. Messina, was awarded the British Studies Symposium Prize for the best journal article written from a presentation given at the 1985 Carolinas Symposium on British Studies.

Andrew Sommese, professor of mathematics, was appointed to be an editor of "Manuscripta Mathematica."

James P. Sterba, professor of philosophy, has been appointed to the editorial committee of "Social Theory and Practice."

J. Kerry Thomas, Nieuwland professor of chemistry, was appointed by the International Radiation Research Society to its Search Committee for a new editor for the "Journal of Radiation Research."

Anthony M. Trozzolo, Huisking professor of chemistry, was elected chairman, Chemical Sciences, Selection and Screening Committee, Board of Trustees, Gordon Research Conferences, York Harbor, Maine, Oct. 3.

activities

Karl Ameriks, professor of philosophy, gave a lecture titled "Kant, Fichte, and Short Arguments to Idealism" for the department of philosophy, Purdue University, Lafayette, Ind., Sept. 25.

Stephan Arndt, assistant faculty fellow in the Center for the Study of Contemporary Society, delivered "Teaching Data Analysis for the the 'Real World'" at the 2nd International Conference on Teaching Statistics, Victoria, British Columbia, Canada in May.

James O. Bellis, associate professor of anthropology, delivered a public lecture titled "The Peopling of the Southern Great Lakes Area" for the National Park Service at the Indiana Dunes, Sept. 12.

Kathleen Biddick, assistant professor of history, has received a National Science Foundation grant to research aspects of agrarian development in medieval England. During her research leave, she has affiliated with the Center for Medieval and Renaissance Studies, U.C.L.A. and the department of history, U.C. Riverside as a visiting scholar.

Rev. James T. Burtchaell, C.S.C., professor of theology, presented "Is Family Church or Not?" at the annual meeting of the National Association of Catholic Diocesan Family Life Directors, Orlando, Fla., Sept. 23. He also delivered "What Business Is It of Yours? . . . The Legitimacy of Crisis Counseling" at the annual meeting of International Alternatives to Abortion Academy, Columbus, Ohio, Oct. 4. He gave two lectures on Christian ethics at Gannon Univ., Erie, Pa., Oct. 6 - 7. He delivered the keynote address at the "Call to Justice" Conference, Grand Rapids, Mich., Oct. 12. He presented "The Inability of the Law to Accomplish Its Own Purposes" at the annual forum of AUL Legal Defense Fund, Chicago, Ill., Oct. 19. He gave the keynote address at the Connecticut Clergy Workshop, East Haven, Ct., Oct. 27.

Stephen R. Carpenter, associate professor of biological sciences, delivered an invited paper titled "Cascading Trophic Interactions: Evidence From Whole-Lake Experiments" at the symposium on Primary Producer-Consumer Interactions, Univ. of Minn., Twin Cities, Sept. 23 - 25.

Francis J. Castellino, Kleiderer/Pezold professor of biochemistry and dean of the College of Science, delivered four invited talks: "Monoclonal Antibodies to Components of the Fibrinolytic System" Osaka Symposium on Fibrinolysis, Osaka, Japan, Sept. 24; "Structure-Function Studies on Plasminogen and Plasmin" at the Takara Biochemical Co., Kyoto, Japan, Sept. 25; "Basic Aspects of Fibrinolysis" at the International Conference on Fibrinolysis, Hamamatsu, Japan, Sept. 28; "Cation Dependency of the Amidolytic Activity of Activated Protein C," at the symposium on Proteases in Cutaneous Biology, Higashi-Hachimantai, Japan, Oct. 1.

Drew Christiansen, S.J., associate professor of theology, gave a book discussion/interview on KRON-TV, "Body and Soul," San Francisco, Calif., May 7. He gave a presentation titled "Role of Religion in Business" at the Center for Corporate Policy, Chicago, Ill., May 17. He gave a talk titled, "Peacemaking in the Roman Catholic Tradition" for the Bay Area Interfaith Counsel, Berkeley, Calif., June 26. He also served as an expert consultant to defense, Nunez v. U.S. in July.

Adela Yarbo Collins, professor of theology, presented a workshop on the book of Revelation for the Northern Catholic Education Services, Archdiocese of Denver, Longmont, Colo., Oct. 25. She was also a participant and member in charge of local arrangements for the Jesus Seminar at the Center for Continuing Education, Univ. of Notre Dame, Oct. 4 - 7.

Sr. Regina Coll, C.S.J., director of field education and assistant professional specialist in

theology, delivered a presentation titled "Reclaiming Our Traditions: Women in Religious Congregations," at the Assembly of Sisters of Mercy, Syosset, N.Y., July 7. She served as a consultant for St. Joseph Medical Center Pastoral Staff, Aug. 27. She was also a facilitator for the Peace Advisory Board of United Religious Community, Sept. 15.

Rev. Austin I. Collins, C.S.C., assistant professor of art, art history and design, gave a solo exhibition of narrative sculptures sponsored by South Haven Art Association and SPACE in South Haven at the South Haven Center for the Arts, South Haven, Mich., Aug. 29 - Sept. 15.

Theodore J. Crovello, professor of biological sciences, presented "Computers in a Liberal Arts Context" to the department of biology, Sonoma State College, Rohnert Park, Calif., April 8. He delivered "Computers at a Liberal Arts University. The President's Lecture" at Santa Clara Univ., Santa Clara, Calif., April 21. Prof. Crovello also presented "Quantitative Systematics and Biogeography" to the department of biology, Stanford Univ., Stanford, Calif., April 28. He delivered "Quantitative Systematics and Biogeography" to the department of botany at the Univ. of Calif. at Davis. While at the university, he also delivered "Computers in Biology Education" to the department of education, May 22. He gave the keynote paper titled "Artificial Intelligence and Plant Geography" at the workshop on Quantitative Phytogeography, at the Univ. of Rome, Italy in June. From July 3 - 21, Prof. Crovello was the guest of IBM Argentina and the Universidad Nacional de La Plata, where he delivered approximately 20 lectures on topics ranging from computers in biodeuction to quantitative plant geography and multivariate character analysis in systematics and evolution.

Michael J. Crowe, professor in the program of liberal studies, presented an invited paper titled "The Enlightenment and Extraterrestrials: The Celestial Cities of the Eighteenth-Century Philosophers and Scientists" at an international conference in Edinburgh on Science and the Enlightenment, Aug. 31. He also presented a paper, "The Extraterrestrial Life Debate and Nineteenth-Century Religious Thought" at the Univ. of London (King's College), Oct. 8.

James T. Cushing, professor of physics, delivered an invited talk titled "The Role of Science and Technology in Liberal Learning" at the Liberal Education Practitioners Symposium at Miami Univ., Oxford, Ohio, Oct. 3. He presented another talk titled "Electromagnetic Mass, Relativity and Kaufmann Experiments" at a physics colloquium at DePauw Univ., Greencastle, Ind., Oct. 9.

Fabio B. Dasilva, professor of sociology, gave a paper at the International Sociological Association meeting titled, "Multidimensionality of Stratification in Specialized Systems: The Case of the Amazon Basis" in New Delhi, India, Aug. 26. He also presented a paper (with Alan Hunchuk) titled "Everywhere and Nowhere: On Cage and Merleau-Ponti" at the 11th annual meeting of the Merleau-Ponti Circle at the Univ. of Notre Dame, Sept. 18 - 20.

Bernard Doering, associate professor of modern and classical languages, presented the keynote address titled "Maritain's Two Authentic Revolutionaries" at the annual meeting of the American Maritain Association, Houston, Texas, Oct. 3 - 5.

Isaac Elishakoff, visiting Massman professor of civil engineering, presented a paper titled "Influence of Rotary Inertia and Shear Deformation in Nonconservative Problems of Elastic Stability-Exact and Computerized Symbolic Manipulation Solutions." He also gave an invited lecture titled "Deterministic Vibratory Imperfection Sensitivity of Nonlinear Structures" at the "Nonlinear and Random Vibrations" Conference at the Mathematical Institute of Oberwolfach, West Germany, Sept. 18. He also served as a co-chairman of the European Mechanics Colloquium on "Refined Dynamical Theories of Beams, Plates, and Shells and Their Applications" at the Univ. of Kassel, West Germany, Sept. 25 - 26.

Stephen M. Fallon, assistant professor in the program of liberal studies, led a session of the Newberry Milton Seminar discussing his essay "Milton and Hobbes Reconsidered: Sacred War as Philosophical Battle" at the Newberry Library in Chicago, Ill., Oct. 11.

Kenneth Featherstone, professor of architecture, was juror for the 1986 "Excellence in Design" Competition of the Fort Wayne Chapter of the American Institute of Architects, Fort Wayne, Ind., Oct. 11.

G. Ferraudi, associate professional specialist in the Radiation Laboratory, delivered an invited seminar titled "Excited State Reactivity in the Presence of Intense Magnetic Fields" at the Univ. of Western Ontario, London, Ontario, Canada, Oct. 16.

Astrik L. Gabriel, director and professor emeritus of the Medieval Institute, gave an address in German titled "International Relations between the University of Vienna and Paris during Medieval and Renaissance Periods" at the Univ. of Vienna, Sept. 1. He also delivered an address at the International Congress on Forgeries in the Middle Ages sponsored by the Monumenta Germaniae Historica. He spoke on the opening day of the Congress at the Aula of the Univ. of Muenchen, Sept. 16. His talk was titled "Translatio Studii. Forged Charters of Foundation of Medieval Universities."

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, gave an invited talk titled "The Art and Science of Turbulent Flow Control" at the 23rd annual meeting of the Society of Engineering Sciences, Buffalo, N.Y., Aug. 25 - 27.

John F. Gaski, assistant professor of marketing, presented a paper titled "Toward Measurement of Consumer Market Efficiency" at the annual conference of the Association for Consumer Research, Toronto, Canada, Oct. 16 - 19.

Moira Marti Geoffrion, professor of art, art history and design, gave a solo show at Pleiades Gallery, New York City, Oct. 22. She also presented her work on a panel on "The Establishment" at the Mid America College Art Association Meetings, Memphis, Tenn., Oct. 31. At the same meetings, she moderated the panel "Sculpture and Nature: The Last Decade." Prof. Geoffrion is a member of the board of directors of the Mid America College Art Association.

Teresa Ghilarducci, assistant professor of economics, gave an invited lecture titled "Internal Union Politics and Strikes: The United Mine Workers of America Strike in 1981" for the department of economics, Post-Keynesian workshop, Rutgers Univ., New Brunswick, Oct. 10. She also gave an invited lecture on "Work and Literature" at the 4th annual Illinois Heritage Society Conference, sponsored by Jim Edgar, Sec. of State and State Librarian and Read Illinois, Springfield, Ill., Oct. 14.

Denis Goulet, O'Neill professor of education for justice, participated in the Waigani Seminar 1986 on "The Ethics of Development" sponsored by the Univ. of Papua New Guinea, Port Moresby, Sept. 7 - 12. He gave the introductory lecture titled "Cultural and Traditional Values in Development" to the Ethics and Society Workshop of the Seminar, Sept. 10. He gave a radio interview on the topic "The Role of Traditional Cultures in Alternative Development Strategies" with Roger Haufa on the program "Meet My Guest" National Broadcasting Commission, Papua New Guinea, Sept. 11. He also participated in a seminar on the "Ethics of Development" sponsored by the Marga Institute, Colombo, Sri Lanka, Sept. 15 - 19. The topic of his lecture was "Evolution of the Concepts of Development" on Sept. 15, while on Sept. 16 Prof. Goulet gave a lecture titled "Paradigms of Life and Development: Man, Nature, and Destiny." He also gave a summation of the seminar to those attending on Sept. 19. He gave the 7th Anniversary Lecture titled "Economic Development and the Quest for Social Justice" at the Center for the Progress of Peoples, Kowloon, Hong Kong, Sept. 21. He gave a seminar on "Tradition and Cultural Values in Economic Development: The Policy Questions" sponsored by the Pacific Islands Development Program of the East-West Center, Honolulu, Hawaii, Sept. 25.

Leslie Griffin, assistant professor of theology, delivered a seminar on John Courtney Murray at Notre Dame Law School, Sept. 10. She also gave a lecture "Women and Morality" at Saint Mary's College, Oct. 8.

George S. Howard, associate professor and chairperson of psychology, delivered an invited address titled "Quo Vadis? Cus Vadis?" to the American Psychological Association, Washington, D.C., Aug. 23. He also presented two papers titled "Can There Be an Empirical Science of Volitional Action?" to the department of psychology and "Have You Heard of the Recent Death of Philosophical Determinism?" to the department of philosophy of Loyola Univ., Chicago, Ill., Oct. 16.

Yih-Fang Huang, assistant professor of electrical and computer engineering, was invited to and received a travel stipend to attend the Symposium on Research Opportunities on Sensing and Neutralizing Mines, sponsored by the Army Research Office and Army Belvoir RD & E Center, Charleston, S.C., Oct. 16 - 17.

Winifred M. Huo, associate professional specialist in the Radiation Laboratory, delivered a seminar titled "Correlation Effects in Electron and Photon Spectroscopies" at the Harvard-Smithsonian Center of Astrophysics, Cambridge, Mass., Sept. 9.

Thomas Jemielity, associate professor of English, delivered a paper "'A Keener Eye on Vacancy': Boswell's Second Thoughts About Second Sight" at the annual meeting of the Northeast American Society for Eighteenth-Century Studies, hosted by Temple Univ., Philadelphia, Pa., Oct. 9 - 11.

Walter R. Johnson, professor of physics, served on a National Science Foundation panel to evaluate nominations for 1986 Presidential Young Investigator Awards, Washington, D.C., Sept. 16 - 17.

V. Paul Kenney, professor of physics, presented a talk "FNAL E-735: Correlation Between P_t and N_c for TOF-Identified Hadrons at 2 TeV" at the 6th International Conference on Proton-Antiproton Physics, Aachen, Germany, July 3. He also taped a discussion of "Perception of Nuclear Power Risks after Chernobyl" for WSJV Newswatch Journal, Elkhart, Ind., Aug. 28. He participated in the Conference on Religion and Science organized by the U.S. Bishops in Detroit, Mich., Sept. 15 - 18. Prof. Kenney presented a lecture titled "Natural Radioactivity: A Universal Clock" for the South Bend Forever Learning Institute, Sept. 24.

Donald W. Kline, professor of psychology, presented an invited address titled "The Performance of the Aged Eye" at the 16th Annual Cambridge Ophthalmological Symposium, Cambridge Univ., England, Sept. 11 - 12.

Edward A. Kline, professor and chairman of English and director of the Freshman Writing Program, delivered an invited paper "Planning and Evaluating Writing Assignments in the Freshman Seminar" at the annual conference of the Indiana Teachers of Writing, Indianapolis, Ind., Sept. 26. He also chaired the session on "Arthurian Romance" at the meeting of the Indiana College English Association, Indiana State Univ., Terre Haute, Ind., Oct. 3.

Jean Laporte, professor of theology, presented a paper titled "La remission des peches chez Origene a la lumiere de ses sources" for a colloquium of the department of theology at Laval Univ., Quebec, Canada, March 24. He also delivered a paper titled "Sacrifice in Origen" at the Origen Colloquium, Univ. of Notre Dame, April 12. Prof. Laporte gave a paper titled "The High Priest in Philo and Origen" at the Medieval Conference of Kalamazoo, Mich., May 8.

David Lodge, assistant professor of biological sciences, participated in a workshop titled "Primary Producers and Consumers" sponsored by the National Science Foundation's Long Term Ecological Research Program at the Univ. of Minn., Sept. 22 - 26.

George A. Lopez, associate professor of government and faculty fellow of the Institute for International Peace Studies, served on the staff of the Lilley Endowment's 1986 Workshop on the liberal arts, Colorado Springs, Colo., June 14 - 28. In addition to serving as a consultant to various campus administrators and faculty invited to the workshop, he conducted a two-week seminar on international studies and international education.

John Matthias, professor of English, gave a poetry reading at the Univ. of Maine at Orono, Sept. 16. He gave another poetry reading at St. Michael's College, Winooski, Vt., Sept. 17.

Rev. Richard McCormick S.J., John A. O'Brien professor of theology, gave a lecture titled "Decisions in Uncertainty: The Pain of Conflict and Ambiguity" at St. John's Medical Center, Santa Monica, Calif., Sept. 10. He presented a lecture titled "Ethics of Reproductive Technologies" at Colorado College, Colorado Springs, Oct. 2. He also participated in a dialogue with Colorado Gov. Richard Lamm on "Ethics of Health Care" Oct. 2. Prof. McCormick gave a lecture "Ten Rules for Physicians" at Penrose Hospital, Colorado Springs, Colo., Oct. 4. He attended the meetings of the ethics committee of the Catholic Association, Oct. 5 - 6. He presented a paper "Pluralism in the Church" at Georgetown Univ., Washington, D.C., Oct. 15. He attended the meetings of the ethics committee of the American Hospital Association, Oct. 28 - 29.

Mark McDaniel, assistant professor of psychology, served as an invited discussant at the European Workshop on Imagery and Cognition, Paris, France, Sept. 24 - 26. He opened the discussion for each of the following sessions: "Problem Solving," "Acquisition of Motor Skills," "Working Memory," and "Image Generation."

Ralph McInerney, professor of philosophy, gave a presentation titled "Action Theory in Thomas" at the Conference on the Practical Philosophy of St. Thomas, Thomas-Institut, Cologne, West Germany, Sept. 16. He also delivered "Mystery and Religious Characters" at the Cathedral of St. James Lyceum, Chicago, Ill., Sept. 24.

Rev. Ernan McMullin, O'Hara professor of philosophy led a faculty colloquium on Newton's notion of force and gave a public lecture titled "Science as Discovery" at Montana State Univ. in Bozeman, July 24. He has also been invited to serve as Phi Beta Kappa lecturer for 1986-87. He will make two-day visits to various colleges and universities, speaking to undergraduate audiences under the sponsorship of the campus chapter of Phi Beta Kappa.

Anthony N. Michel, professor and chairman of electrical and computer engineering, presented a paper titled "Application of Interval Analysis Techniques to the Parameter Tolerance Problem for Linear Dynamical Systems" at the 24th Annual Allerton Conference at the Univ. of Ill., Urbana, Oct. 1 - 3.

Marvin J. Miller, professor of chemistry, attended the National Meeting on the American Chemical Society, Anaheim, Calif., Sept. 8 - 11. He also attended the Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, La., Sept. 29 - Oct. 1. He presented a seminar "Organosulfur Chemistry in Organic Synthesis" for the department of chemistry, Andrews Univ., Berrien Springs, Mich., Oct. 8. Prof. Miller was a consultant for Eli Lilly and Company, Oct. 10.

Catherine Mowry LaCugna, assistant professor of theology, convened and served as a panelist at Trinity Seminar, Catholic Theological Society of America Convention in June. She presented a paper titled "Theology as Doxology" at the Theological Inquiry Seminar, department of theology, Sept. 10. She also delivered a presentation on systematic theology to the undergraduate Pro-Seminar, Oct. 5.

Robert C. Nelson, associate professor of aerospace and mechanical engineering, attended the 4th International Symposium on Flow Visualization in Paris, France, Aug. 24 - 31. He presented a paper titled "Visualization of Vortex Breakdown on a Delta Wing" co-authored with Dr. T. Terry Ng and Frank Payne. He also presented two papers for his colleagues, Dr. Mohamed Gad-el-Hak, Dr. Stephen M. Batill, and Dr. Thomas L. Doligalski.

Rev. Edward O'Connor, C.S.C., associate professor of theology, participated in a conference titled "The Meaning of Medjugorje" at the Queen of Peace Church, Osceola, Ind., Sept. 21. He attended another conference titled "What of Angels Today?" at the National Conference of Catholic Women, Fort Wayne - South Bend Deanery meeting, St. Casimir's Parish, South Bend, Ind., Sept. 29. He attended a third conference titled "The Meaning of Medjugorje" at St. Monica's Parish, Mishawaka, Ind., Oct. 19.

Rev. Thomas O'Meara O.P., professor of theology, delivered two lectures titled "Paul Tillich and the Catholic Substance" and "Christianity and the World Religions: Rahner and Tillich" at Wartburg Lutheran Seminary, Oct. 30 - 31.

William O'Rourke, assistant professor of English, gave an invited lecture "Work and Literature" with assistance by Prof. Teresa Ghilarducci, at the Illinois Literary Heritage Conference sponsored by Jim Edgar, Sec. of State and State Librarian, and the Read Illinois Committee, Oct. 14.

Morris Pollard, professor of biological sciences, presented a report with Phyllis Luckert, titled "A Model System for Investigating Prostate Cancer in L-W Rats" at the 37th annual meeting of the American Association for Laboratory Animal Science in Chicago, Ill.

Rev. Niels Krogh Rasmussen, O.P., associate professor of theology, was a member of the dissertation board for Monsieur l'Abbe Peter Wittwer (Grande these) at the Institut Catholique de Paris, June 25.

Steven T. Ruggiero, assistant professor of physics, delivered an invited talk "RF Sputter-Deposited Films as High Quality Artificial Tunnel Barriers" at the 1986 Applied Superconductivity Conference, Baltimore, Md., Oct. 2.

Jonathan Sapirstein, assistant professor of physics, presented an invited talk "QED and Atomic Structure Effects in Heavy Ion Physics" at a workshop on heavy ion physics, Oak Ridge, Tenn., Oct. 2 - 4. He also presented an invited talk titled "Theoretical Problems in QED" at the Argonne National Laboratory, Chicago, Ill., Oct. 9.

Richard Sassoon, research associate in the Radiation Laboratory, presented a seminar titled "Experimental Studies and Computer Simulations of Photo-induced Electron Transfer Processes for Solar Energy Conversion Applications" at Catholic Univ. of America, Washington, D.C., Oct. 6.

Kenneth M. Sayre, professor of philosophy, gave an invited paper "Intentionally" at a meeting of the Association for Philosophy and Psychology, Baltimore, Md. in May.

Samuel Shapiro, associate professor of history, presented a session titled "A Comparison of the Cuban and Mexican Revolutions" at the MALAS Program at Washington Univ., St. Louis, Mo., Sept. 25 - 27.

Daniel Sheerin, associate professor of modern and classical languages, presented a paper titled "The Theotokion Ho ten evlogemenen" at the Byzantine Studies Conference, Bryn Mawr, Pa., Oct. 12.

B. F. Spencer, assistant professor of civil engineering, presented an invited paper titled "First Passage Time for Uncertain Hysteretic Systems" at the 1st World Congress on Computational Mechanics at the Univ. of Texas at Austin, Sept. 22 - 26. He also co-chaired the session on "Probabilistic Finite Element Methods I" at the same congress.

James P. Sterba, professor of philosophy, presented a paper titled "Why SDI is Not Morally Justified" at a conference on International Violence: Ethical Dimensions, at the Univ. of Ct. at Hartford, Sept. 26. He also presented a paper "The Moral Foundations of Nuclear Strategy" at a conference on the Morality of Nuclear Weapons at Rockford College, Rockford, Ill., Sept. 27. He presented a paper titled "How to Make People Just" to the philosophy department of Georgetown Univ., Washington, D.C., Oct. 22.

Rev. Robert F. Taft, S.J., visiting John A. O'Brien professor of Catholic theology, gave a lecture titled "Toward a Theology of Liturgy" at the Saint Paul Seminary, St. Paul, Minn., Oct. 8.

James I. Taylor, associate dean of the College of Engineering, gave three presentations: "Safety Features for Local Roads and Streets," "Local Highway Safety Improvement Programs," and "Local Highway Safety Studies" at the National Conference on Highway Safety Training, Arlington, Texas, Sept. 15 - 18.

J. Kerry Thomas, Nieuwland professor of chemistry, presented two invited talks, "Photo Induced Electron Transfer Across Semiconductor Interfaces" at the North Carolina State Univ. at Raleigh, Sept. 29, and "Factors Affecting Charge Separation," at the Univ. of North Carolina at Chapel Hill, Sept. 30. He also presented an invited talk titled "Photochemistry of Molecules Adsorbed on Clays" at the Clays and Clay Mineral Society meeting, Jackson, Miss., Oct. 12 - 14.

G. N. R. Tripathi, associate professional specialist in the Radiation Laboratory, presented a paper titled "Resonance Raman Spectra and Solvation Dynamics of Transient Dihalide Radical Anions in Aqueous Solution" at the 1986 International Laser Science Conference, Seattle, Wash., Oct. 20 - 24.

Anthony M. Trozzolo, Huisking professor of chemistry, presented an invited lecture titled "Some Chemistry of Aging" at the Forever Learning Institute, South Bend, Ind., Oct. 8.

Patrick W. Utz, director of the University Counseling Center and concurrent associate professor of psychology, gave the keynote address titled "Counseling: From Freud to Dr. Ruth - We've Seen It All" at the annual meeting of the Indiana College Personnel Association. He also was a panel member in a program titled "Assessment of and Intervention with the Suicidal Student" at the same conference.

Chris R. Vanden Bossche, assistant professor of English, presented a paper "Fathers and Sons: Carlyle's Search for Authority" at the annual meeting of the Indiana College English Association, Terre Haute, Ind., Oct. 3.

Arvind Varma, professor and chairman of chemical engineering, attended the World Congress III of Chemical Engineering and presented a paper titled "Optimal Catalyst Activity Profiles in Pellets" Tokyo, Japan, Sept. 21 - 25.

Stephen Watson, assistant professor of philosophy, delivered a paper titled "Aesthetics and the Retrieval of the Sublime" at the International Association for Philosophy and Literature meeting at the Univ. of Wash. at Seattle in May. He also participated in a session on aesthetics at a conference on Heidegger held at DePaul Univ. in May. He also delivered a paper titled "Levinas and the Trace of Apocalypse" at a conference on Writing the Future sponsored by the Centre for Research in Philosophy and Literature and the European Humanities Research Center at the Univ. of Warwick, England in July.

Rev. Oliver F. Williams, C.S.C., associate professor of management, presented "South Africa: Strategies for Involvement" at a conference on U.S. Business and South Africa, Duke Univ., Durham, N.C., Oct. 2. He also delivered "What is the Social Responsibility of Business?" at the Elkhart Public Library, Elkhart, Ind., Oct. 7.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "The Promotion of Pt/SiO₂ Catalyst by WO₃ for the NO-CO Reaction" at the International Symposium "Catalysis and Automotive Pollution Control" at the Univ. Libre de Bruxelles, Brussels, Belgium, Sept. 8 - 10. He also presented a seminar "FTIR Studies of Catalytic Reactions" at the Polytechnic Institute of Milan, Italy, Sept. 11 - 12.

K. T. Yang, Viola D. Hank professor of aerospace and mechanical engineering, gave a series of invited lectures at the Shanghai Jiaotong Univ. (Shanghai), National Technology Univ. (Hefei), Academy of Sciences and Technology and Tsia Hua Univ. (Beijing), Xian Jialong Univ. (Xian), Chungqin Univ. (Chungqin), and the Univ. of Hong Kong (Hong Kong) from Sept. 7 - Oct. 4.

John Yoder, professor of theology, served as a consultant in a workshop of corrections agencies on restorative justice at Guelph, Ontario, Oct. 30 - Nov. 2.

administrators' notes

appointments

R. Scott Cowdrey has been appointed the Assistant Director for User Services at the Computing Center. Cowdrey was previously an Information Systems Analyst for Bear Creek Corp. in Oregon, and Automation Coordinator for Montana State Univ. Libraries. He has an M.S. in Computer Science from Montana State Univ. At Notre Dame, he will provide training, documentation, and consulting support for research and instructional use of campus computing facilities including the IBM mainframe and the 24-hour Microcomputer Lab maintained by the Computing Center.

Sr. Elaine DesRosiers, O.P., director of educational media, has been re-elected as an Executive Board Member Representative of Colleges and Universities of the Indiana Film and Video Council.

Michael Langtherne, has been chosen as the Assistant Director of Educational Media at Notre Dame. Mr. Langtherne comes to Notre Dame from Columbus, Ohio, where he was the Assistant Director of the non-profit community television station, ACTV. Previously, he was an invited lecturer in broadcast news production at the Univ. of Montana, following five years of news experience with major market CBS and NBC affiliates. A graduate of the Ohio State Univ. Department of Photography and Cinema, he has received numerous awards for television production, and is known nationally for his efforts in the development of both public and educational community television.

honors

Robert J. Scannell, president and dean Pennsylvania State University's System of Continuing Education and Commonwealth Campuses, has been named this year's recipient of the University of Notre Dame Alumni Association's Harvey G. Foster Award. Scannell was graduated from Notre Dame with a bachelor of science degree in 1957. He received graduate degrees in science and philosophy from Pennsylvania State. The Harvey G. Foster Award, given annually to a Notre Dame alumnus or alumna who has achieved distinction for community service and service to the University, memorializes a Notre Dame alumnus and football star of the class of 1939.

activities

Kathy Royer, coordinator of services/social action, was a participant on a panel responding to a keynote address by Ivan Illich at a consultation on the sanctity of life, cosponsored by the committee of southern churchmen and Bluffton College of the General Conference Mennonite Church, Sept. 19 - 20.

documen- tation

president's address to faculty

(Address given by the Rev. Theodore M. Hesburgh, C.S.C., President, University of Notre Dame, at the Annual Faculty Meeting, Notre Dame, Indiana, October 13, 1986.)

This is the thirty-fifth and last time that I address the faculty as President, early in a new academic year. It is fitting, and a return to an old tradition, that it be done on the Feast of St. Edward, the Patron of our founder, Father Eduard Sorin. He spent twenty-three years as President of this University, from its founding in 1842 until 1986 when he turned the task over to Father Patrick Dillon. He has had fifteen successors since then and will soon have a sixteenth. I think we have all looked upon him and his life as a kind of unique inspiration for all that this University is and yet will be. That is the theme of my message today.

Father Eduard Sorin was born on February 6, 1814, in a substantial small chateau-like building at La Roche, Ahuille, Mayonne, France. He was the seventh of nine children in the Sorin family which still inhabits the same house. I was there a few years ago to place a commemorative plaque next to the baptismal font in the parish church in Ahuille where he was baptized. I also gave a sermon in French on that occasion and consoled myself that my French was probably not worse than Father Sorin's English during his early years at Notre Dame.

Sorin was tutored by the local parish priest, attended the Grand Seminaire at nearby Le Mans, and was ordained a priest at age 24 on May 27, 1838. He was pulled in two directions. First, after a year as a country pastor, he was inspired to join another young priest, Father Basil Moreau, who had just founded an Association of Holy Cross for Priest and Brothers, the latter having been founded earlier by a Father Dujarie. Sorin was one of the first priests of Holy Cross, since he joined as priest, made his year of novitiate, and took his first vows of poverty, chastity, and obedience.

He then responded to a second nagging pressure. While still a seminarian in 1836, he had heard Simon Brute, a new bishop from the American frontier, tell of his arduous work among the early settlers and Indians in what was one of the Western-most dioceses in the New World, Vincennes, in Southern Indiana, near the best highway west which was the Ohio River. Sorin was on fire at the thought of being a missionary in the wilds among the Indians. He importuned Father Moreau until he was given the assignment to join Simon Brute's successor, Bishop de la Hailandiere, in Indiana. It was no easy journey that Sorin made with a few Brothers. First, at Le Havre, he found that his total available money would not pay the passage to New York. This was the first of a lifetime of financial crises. Also, the first of a lifetime of victories snatched from the jaws of defeat. Sorin settled for a few square feet of steerage space below the deck, hung a few blankets, and, voila, they were on their way.

And a stormy way it was, all 36 days of it. Often the captain was glad he had let Sorin aboard because, at times, everyone was ready for final absolution. They reached New York, the harbor of hope, on the eve of the Feast of the Exultation of Holy Cross, September 14, 1841. Sorin knelt down and kissed the ground of the New World. The next day, the Feast Day, he celebrated his first Mass in America.

I was thinking of those 36 stormy days when I went to France for the Sorin commemoration. I had to be in Paris that night, but was chairing an important commission in New York that morning. The only possibility was the Concorde, which made the New York-Paris trip in three hours and 32 minutes.

The trip to Vincennes was almost as long as the boat crossing of the Atlantic -- up the Hudson River to Albany, across New York State on the Erie Canal to Buffalo passing my hometown of Syracuse. We are told that Sorin took a side trip to see Niagara Falls, which proves he was not all business. Then across Lake Erie to Toledo, then southwest, down a network of roads and rivers. On October 10, they arrived in Vincennes. They walked the last three hours, fasting from midnight to celebrate a late Sunday Mass. It was the ninth Sunday since they had left France.

Soon the Bishop offered Sorin an outlying mission, but Sorin held out for another, St. Peter's, since already he had a school in mind. The next year was difficult, learning the language, building the mission, always in need and always penniless. Amazingly, within that year, he had attracted twelve novices for Holy Cross, three Germans, one Englishman, and eight Irishmen -- not one Frenchman. After that first year, Sorin approached the Bishop with his dream of building a college. "We already have a college," the Bishop countered. "However, if you are so set on the idea, there is some land at the northern end of the diocese, which Father Badin left to me in trust for anyone who would build a school there."

Although it was mid-November of what was to be one of the worst Indiana winters in years, Sorin headed north with seven Brothers on November 16. They had an oxcart full of goods, blankets, pots and pans, axes and knives. Sorin had managed to scrape together just over \$300. Still, his heart sang as he marched into the north wind on a journey 150 miles north. His dream was closer each day and he was only 28 years old, four years a priest, and full of hope. Eleven days later, he ran on ahead and found his way to a countryman's trading post. It had been called Fort St. Joseph on the St. Joseph River, now South Bend. Alexis Coquillard was immediately dragooned by Sorin to take him out to his property by the lake.

Sorin wrote Father Moreau that when he arrived, everything was frozen, especially the lakes, which he took to be one. A newly-fallen coat of snow blanketed the scene and sparkled in the rays of the late afternoon sun, slanting in from the west. He told Moreau it reminded him of the purity of the Mother of God and solemnly named this place "L'Universite de Notre Dame du Lac." In his typically exuberant style, the dream of a college already became the dream of a university.

The name had a good ring to it and, unknown to Sorin, it revived the dream of another missionary from France, Father Claude Allovez, who first came this way and built the Log Chapel by one of the lakes, St. Mary's, and named it La Mission de Sainte Marie des Lacs. Allovez had hallowed this spot 156 years before in 1686. But even before that, an even more famous priest, Pere Marquette, had passed this way, en route to discovering the Mississippi, and had offered Mass here in 1675, more than a century before our American Declaration of Independence.

Subsequently, there was a French-Indian War which diminished the French influence here, especially since the British were the winners. Then another French priest changed all that. Stephen Theodore Badin, the first Catholic priest ordained in the United States, escaped France as a seminarian during the French Revolution when the eldest daughter of the Church -- La Fille Ainee -- killed off a considerable number of seminarians and priests. Badin finished his theological studies with the Sulpicians in Baltimore and on May 25, 1793, (my birthday, by the way) Badin was ordained a priest by the first American Bishop, John Carroll, cousin of Charles Carroll of Carrollton, who signed the Declaration of Independence.

Badin's priestly apostolate carried him ever farther west -- even to the Mission de Sainte Marie des Lacs. He is said to have traveled more than 100,000 miles on horseback throughout Indiana, Michigan, Ohio, and Kentucky, then the Northwest Territory. At the age of 50, Badin decided that he needed a sabbatical, so he returned to his native France -- the guillotine now decommissioned -- for about a decade. He then returned to his adopted country in 1828.

He was visiting in Detroit with his French friend, Father Gabriel Richard, a U.S. Congressman and co-founder of the University of Michigan, when a Potawatomi, Chief Pokagon, came to Detroit requesting Badin's return to the Lakes with a school teacher as well. "We have kept the faith," Pokagon said and knelt down to recite the Our Father, Hail Mary, and the Apostle's Creed in Potawatomi. What could he do? Badin returned to the Mission of St. Mary of the Lakes, with Chief Pokagon and a 68-year-old school marm named Miss Angelique Campeau. All three of them have streets bearing their names in South Bend today.

We are told that within five years he had baptized 300 more Indians. Since he had a helper now, a Belgian priest named Father Louis Deseille, Badin retired to Cincinnati in 1835, but not before he had purchased the 524 acres of land that was to be Sorin's legacy.

Deseille died two years after Badin left. There is still a painting in the present Log Chapel showing him giving himself viaticum, the last Communion, after the Indians carried him to the Chapel from Niles where he became ill. They buried him on the lakeside hill, alongside the Chapel.

Deseille was replaced by a newly-ordained French priest from Rennes in Brittany named Father Benjamin-Marie Petit. He had hardly begun when in 1837 all Eastern Indian tribes were forcibly relocated west of the Mississippi to accommodate the white settlers. Shades of South Africa! Petit made the trip from the Lakes to the Osage Territory (now Tulsa, Oklahoma) with the Potawatomi -- half of whom died en route. Petit himself, thoroughly exhausted, died in St. Louis while returning.

Five years later, Sorin arrived here. In later years, the Log Chapel burned, but was faithfully reconstructed. Long after his death in 1853, Badin's remains were returned from Cincinnati and buried in the Log Chapel. Sorin exhumed Deseille's body at the lakeside, returned Petit's remains from St. Louis and they both were buried in the basement of Sacred Heart Church. I pray for them on my way to Mass as I pass their common tomb each day. Sorin respected the giants who had made this a holy place long before he arrived. Institutional memory is a powerful force, so often neglected in our day.

One of Sorin's first acts was to engage an architect to design his first college building to be begun in early spring of 1843. There had been three feet of snow on the ground all winter. The lake ice was 20 inches deep, but Sorin and the Brothers lived all winter long in the drafty cabin which was a chapel again. When the ice went out, Sorin made over a hundred thousand bricks from the marl he found in the lakes and felled the largest trees for the lumber he would need for his first building. When the architect failed to arrive, he and the Brothers built the building themselves and had students in it by fall. We are still using it today under the modest name, Old College. It is the residence of Notre Dame students aspiring to the priesthood in Holy Cross.

One of his best teachers was Frere Gatien, 16 years old when he arrived at Du Lac. Others soon joined Sorin, making him seem like a veritable Pied Piper. Only 28 months out of France, he had over 50 new candidates for the Congregation of Holy Cross.

That first school year of 1843, around this early fall time, the local senator, the Honorable John B. Defrees, a Methodist, visited Notre Dame. He was pleased to learn that all the students were accepted here "without any distinction of belief." There was nothing like this within a radius of 400 miles, so Defrees proceeded to write them a magnificent university charter which he had enacted by the State Legislature of Indiana on January 15, 1844, just over a year from Sorin's arrival.

That Charter reads: "They shall have perpetual succession, with full power and authority, to confer and grant...such degrees and diplomas in the liberal arts and sciences, and in law and medicine, as are usually conferred and granted in other universities of the United States: Provided, however, that no degrees shall be conferred or diplomas granted except to students who have acquired the same proficiency in the liberal arts and sciences, and in law and medicine, as is customary in other universities in the United States." In 1967, by official action of the Congregation of Holy Cross, the perpetual succession was decreed to include a majority of laymen and laywomen as Trustees of the University, this action duly recorded by the Secretary of State of Indiana.

Returning to our story, Sorin again wrote Moreau that he would not exchange his hopes for anyone's in the United States. He also promptly became a citizen and a very patriotic one at that. One of his earliest buildings was named after the Father of our country, George Washington. He soon had Henry Clay declare Notre Dame a post office with Sorin as Postmaster so he could save postage on his letters which were sent free. He built a proper church which was consecrated in 1849, a larger one in 1872, while buildings sprout-

ed up all over like mushrooms, especially his Main Building which practically was the whole college and residential facilities combined. Many of these were built without the proper authorization of the Motherhouse in Le Mans, although Sorin continued to request more people from France. By May of 1846, he had 68 members, eight priests, 38 Brothers, and 19 Sisters, some of whom were soon to found Saint Mary's College across the way. The local Bishop of Vincennes took a rather dim view of all this development in four years time. He only wanted a small school, but Sorin, who could tell what he wanted? Obviously not a sleepy small establishment.

Sorin was a veritable magician when one considers the meager resources he had on arrival. He was always in debt, but always building and expanding. If the Bishop had his doubts, the Motherhouse, much further away in Europe, was mystified when each letter brought news of more development, again done precipitously without proper approval. They decided on drastic action. Father Sorin was assigned to supervise the new Holy Cross Missions in Bengal, half way around the world, in 1852. He was told he would become a young Bishop at 38 years of age.

Sorin, despite his vow of obedience, simply said, "No, I won't go. This work is too important." Of course, from a religious point of view, he was wrong and soon enough recognized this himself. Six months later, spiritually devastated, he agreed to go to Bengal. Fortunately for us, the Founder, Father Moreau, relented and let Sorin stay at Notre Dame. It would never have made it without him. Five years later, Moreau visited Notre Dame and was astonished at what he saw, as was the Cardinal Archbishop of Paris who visited us this spring. Sorin obviously had great vision, but great faith, too.

1855 was a kind of baseline with 100 students, mainly boarders. Five years later in 1860 there were 213 students. Not until the middle '80s did they pass 400 students, with another 175 across the road at Saint Mary's. If this surprises you, recall that Harvard University, founded in 1636, had only 500 students in 1868. Meanwhile, Sorin had started other schools in Chicago, New York, Philadelphia, New Orleans, and Kentucky.

However, Notre Dame remained the center of Sorin's dream. To bolster his finances in 1850, he sent four Brothers and three laymen off to seek treasure in the California Gold Rush. This was not one of his better ideas, but at least an indication of his creativity. After this fiasco, he took a trip to Le Mans to mend his fences.

Years later in 1869, Sorin was elected Superior General of Holy Cross which had received Papal approval as a congregation in 1857. While Sorin left the headquarters of the Congregation in France, he himself remained at Notre Dame and had the General Chapter meet here, as it did again this past summer. Now Sorin was responsible for Holy Cross worldwide. He did travel widely but always returned to Notre Dame where his heart always was, his first love.

In 1879, when Sorin was 65 years old and en route to France via Montreal, he had an opportunity to found Notre Dame once again. While workmen were tarring the roof of the Main Building, essentially the whole college at that time, the roof caught on fire and the whole building burned to the ground. Only Sacred Heart Church was spared because the prevailing west wind blew the fire away from the Church.

Sorin returned immediately from Montreal, convoked the whole community to a meeting in the Church, and essentially told them: This fire is really my fault. I came here as a young man and dreamed of building a great university in honor of Our Lady. But I built it too small and She had to burn it to the ground to make that point. So tomorrow, as soon as the bricks cool, we will rebuild it, bigger and better than ever.

The fire was on April 23, 1879. By May 17, Sorin had a sketch of the new building from W. J. Edbrooke, a Chicago architect. The same day they laid the new foundation. By June 21, the first story was up. A week later the second story. By the fourth of July, they were working on the fourth story, and the students were under the roof in September for a new school year. It took four and a half million bricks, with 56 bricklayers among the 300 workmen. Today, after a similar disaster, it would take two years for a feasibility study, but Sorin set the pace and others followed, despite the lack of money.

They nearly died when, the roof completed, he said, "Now we need a large tower with a gold dome on top and then crowning the dome, a golden statue of Our Lady so that everyone passing this way can understand why this place is special."

Everyone said "no." He left town and would not return until they said "yes." Somehow it was paid for, the Saint Mary's students appropriately financed the statue of Our Lady, and today it is the most cherished symbol of Notre Dame. So much for vision and

faith. Without them, nothing worthwhile would ever get founded.

In 1893, at the age of 79, Father Eduard Sorin died. he was buried in the Community Cemetery, a lovely spot on the road to Saint Mary's, where he had already buried so many of his valiant companions who shared his faith and his vision. It was 51 years since he first came here. For half a century, he changed this place from a wilderness to a spiritual oasis for learning. He knew it was not yet a university. Shortly before his death, he said with all the fierceness that characterized his love for this place: "If there ever is a great Catholic university in America, it will be here."

Father Ned Joyce and I are now completing a similar span of years at Notre Dame. I arrived here in 1934 at the age of 17, 52 years ago, Father Joyce a year earlier. Apart from eight years of study in Rome and Washington from 1937-45, Notre Dame has been my home and my life. I have crossed the ocean twice Sorin's 50 times, but today travel is faster and easier than then. Next year, Father Joyce and I will be 70 years old, he in January and I in May, exactly one half of which will represent 35 years of walking in Sorin's footsteps. We have seen a good measure of his dream come to reality, thanks to hundreds of valiant collaborators, but neither of us believes that we are anywhere near the final stages of Sorin's dream. Who can count the valiant souls who have labored and truly given their lives over 144 years to bring us thus far. They, too, shared the vision and the faith and so will all of you and all others who come after all of us.

My only concern is that having come thus far, from that Log Chapel by the frozen lake, to all one sees all around us today, we might become complacent and self-satisfied. That would signal the end of the great dream.

It is my considered judgment that Notre Dame has come a long way, but still has a long way to go. This way is not necessarily the path of physical expansion, new buildings, a larger faculty, or student body. The new facilities on the drawing board or about to be built should bring us close to an ideal great university in the physical sense. Our faculty and student body are close to ideal size for a residential university, especially with the new balancing of men and women that the two new women's residence halls will bring. With Saint Mary's, we will then be 50-50, men and women. Our graduate student body is the one area still needing growth and, of course, we have the constant problem of larger minority representation in all we do.

But overshadowing all of this is the persistent need for greater quality in all the people who make up the University, faculty and students, administrators and staff, and trustees as well. Of course, presidential leadership can and will help, but what it essentially needed most is continued leadership up and down the line, especially in provost and vice presidents, in deans, and department heads, and throughout the body of faculty and students. Every appointment brings us nearer to or farther away from the ideal we seek: to be a great Catholic university.

I do not speak exclusively of intellectual leadership, although this is primarily what every good university is about. Because of the special history and heritage of Notre Dame, I speak also of moral leadership, the embodiment of personal values that exists pre-eminently in the lives that we all live. Our words speak, but our actions shout, as I believe St. Augustine first said. It is very difficult, if not impossible, for us to educate our students in the values that this University must proclaim if the students do not find our personal lives convincingly speaking to them of dedicated intelligence, justice, honesty, integrity, fidelity, generosity, especially love and magnanimity.

Albert Schweitzer showed these virtues as a Protestant theologian and a medical doctor in Africa. Ghandi portrayed these virtues as a Hindu, a national charismatic leader. Abraham Herschel personified these virtues as a Jewish Rabbi. John XXIII and Mother Teresa and our alumnus, Tom Dooley, exemplified these virtues as Catholics. They all have this in common: they inspired the young of our times because their lives personified what they proclaimed. They are the true leaders of our times, and great educators as well.

We may not rise to their level of excellence, but neither can we settle for moral ambiguity, or intellectual mediocrity. Whatever we say, we educate by our lives. At any rate, I say these things to indicate that we do indeed still have a long way to go. Our common and uncommon profession as educators is still a very high road to travel, not given to complacency, since the road leads every upward for each one of us.

As the popular ballad says, there are many songs yet to be sung. May you all have a full part in singing them. And may Our Lord and His Blessed Mother continue to smile upon this place. As the Irish would say: "Keep the faith, pursue the vision." I am sure, in the spirit of Father Eduard Sorin, you will do just that. May God bless you all. Father Ned and I will leave you in great anticipation of greater realities yet to come.

founder's day homily

(Address given by the Rev. Thomas E. Blantz, C.S.C., Chairman and Associate Professor of History, at Sacred Heart Church, Notre Dame, Indiana, October 13, 1986.)

Edward the Confessor, and this feast of Edward the Confessor, Founder's Day, held prominent places in the life of Father Sorin. One of the first student residence halls on campus, and the one given over to his beloved Minims, was called Saint Edward's. About that same time, the recently founded Saint Aloysius Academy in Austin, Texas, was renamed Saint Edward's University. During Father Sorin's presidency, this day was always a holiday and celebrated with special festivities: a solemn high mass, athletic events, and a special banquet for all the students. And after leaving the presidency and accepting election as Superior General of the Congregation of Holy Cross, Father Sorin almost invariably sent a circular letter to his fellow religious in mid-October to thank them for all their feast day cards and letters, "very nearly six hundred in number," he wrote in 1878.

It seems especially appropriate for Father Sorin that this feast is usually considered simply that of Edward the Confessor. Not Saint Edward, nor Edward the King, but Edward the Confessor. The word "confessor" comes, of course, from the Latin confiteri, to declare or profess openly, and a confessor in the early Church was one who professed his faith and Christian convictions through their deaths. It seems appropriate because Father Sorin was also a man of deep convictions, and a man who professed them openly in what he wrote and in what he did.

One characteristic which Father Sorin professed seems to be a universality of outlook or interest. He joined Father Moreau in the Congregation of Holy Cross in part to serve as an auxiliary priest in the local diocese of Le Mans. When Bishop de la Hailandiere requested missionaries for far-off Indiana, Father Sorin was just as eager to go. Once here, he developed an attraction for work among the Indians, asked for permission to devote himself to this apostolate, and promised to begin learning the Indian language immediately. As Provincial and Superior General, he opened new missions and sent his priests and brothers to work throughout the United States and all over the world. His vision was broad: France, America, Bengal, Algeria; politics, the religious life, music culture; the young, the elderly -- he seemed interested in all. In fact, in one of his Circular Letters he wrote:

I bless God that I was not baptized under a French Saint's name. What makes my English St. Edward's Feast so pleasant to us all is the total absence of every vestige of nationality....This important and apostolic lesson of making ourselves all to all must be learned and practised at home, in order to gain all to Christ, in whom there is neither Jew nor Greek, all having been equally redeemed in His precious blood....Once more, I heartily thank you for your pious wishes, and pray God to keep you more than ever strongly united in the holy bonds of charity.

A second quality which Father Sorin professed throughout his life was a deep dedication to education. In today's first reading, Solomon is praised for his understanding and wisdom, and Father Sorin hoped to bring at least some level of this understanding and wisdom through Christian education to the people in the mission territory he was asked to serve. He and his small band of Holy Cross Brothers opened a school shortly after their arrival in Vincennes, he then accepted the bishop's invitation to start a college near South Bend, and eventually decided it was not really a college he wanted, but a university, the University of Notre Dame.

The religious and moral development of his students was always a primary concern for Father Sorin, but not at the price of mediocre classroom performance. He was interested not just in teaching, but in good teaching. "Teachers must know thoroughly what they have to teach, and teach it masterly," he urged around 1880. "Teachers of youth must know thoroughly the various branches of science they have to teach," he wrote a few years later. "This is universally admitted; and the qualification is every day becoming more strictly required. Real merit alone, officially acknowledged, will admit one to the important functions of a teacher, even in the smallest country school." After thanking his fellow religious for their feast day wishes, he closed his Circular Letter one year:

In conclusion, let me assure you that while I thank God with all my heart for the very flattering prospects of our schools this fall, I never felt as keenly as I now do the necessity for all our teachers to spare no pains to improve themselves in their studies as well as in their religious spirit, in order to

become able and superior teachers, and thus materially raise the educational character and standard of their respective houses. May God grant us a universal renewal of fervor and zeal, and this scholastic year will be one of unprecedented success and satisfaction.

And, like all confessors, Father Sorin was a man of deep faith. Some manifestations of this faith and confidence we would find unusual, as when the Chapter Book of 1849 noted: "No lightning rod shall be placed over the college at least for the present by reason of confidence in God's providence." But most of the time his confidence is inspiring. "Yes, we are happy," he wrote Father Moreau from Vincennes. "We have the Lord with us. Only tonight we hung up our lovely sanctuary lamp where none had hung before....We can see it as we come through the woods, and it lights the humble home where our Master dwells. We tell each other that we are not alone, that Jesus Christ lives among us. It gives us courage." As Superior General, he developed the practice of carrying with him a list of all his Holy Cross religious. Whenever he would visit a new church or shrine, he would take out his list and recite it as a litany, asking God to grant each one's petitions, just as if they were there and praying with him. "Each one has his own devotion," he wrote. "This is one of mine."

Father Sorin never doubted that Notre Dame would be a success, but he never doubted either to whom major credit belonged. Describing his first arrival on this spot he wrote later:

I shall tell you now what I have never said before. At that moment, one most memorable to me a special consecration was made to the blessed Mother of Jesus, not only of the land that was to be called by her very name, but also of the institution that was to be founded there....

From that moment I remember not a single instance of a serious doubt in my mind as to the final result of our exertions....and upon this consecration, which I thought accepted, I have rested every since firm and unshaken, as one surrounded on all sides by the furious waves of a stormy sea, but who feels himself planted immovably upon the moveless rock.

Thus our special ceremonies today commemorate two Edwards: one a king and canonized saint, the other a missionary and educator, and both in a sense confessors. Just as Father Sorin used this day to reflect on the life of his patron, so we use it to reflect on his life. Father Sorin was indeed a man of broad interests, a man devoted to teaching and learning, and a man of deep faith, and perhaps we today, as members of the Notre Dame community he and his early companions founded, can still profit from the qualities and virtues and convictions which he and they professed.

dedication of clarke memorial fountain

(Homily given by Msgr. Francis L. Sampson, Assistant to Father Hesburgh for Military Affairs, for the dedication of the Clarke Memorial Fountain, October 17, 1986)

It must be perfectly clear to all here that we are gathered to dedicate this magnificent Clarke Memorial Fountain to the Notre Dame men who have died in the last three wars -- World War II, Korea, and Vietnam. In no way do we glorify or glamorize the brutal institution of war in which they died. To attempt to do so would be the ultimate sacrilege. More than 500 Notre Dame men in these wars have paid with their lives for the freedoms that we so often take for granted.

But we must not think of them in terms of mere statistics. Each one of them walked freely on our campus, attended a great variety of classes, walked along the lakes with a friend or two discussing their ideas and ideals, or participated in bull sessions in their rooms or while lounging in the shade of a tree pondering the enigmas of life, as well as the problems of society -- learning as much perhaps in these discussions as in the classroom. He participated in a dozen different extracurricular activities, worshipped in Sacred Heart church, prayed at the Grotto, spent precious quiet moments with God in his hall chapel. He eased the tension of study with jokes and humor; probably mimicked mannerisms of professors. He joined in the pep rallies in the old field house, then in this very spot. He sang as loud as anyone the "Notre Dame Victory March" in the stadium during a game. In the years at Notre Dame he grew physically, mentally, and spiritually.

Now he is dead. His hopes and dreams relegated to the past. He left these and his family, his parents, perhaps a wife, children, and friends in answer to the call to the ser-

vice of his country in time of crisis. The cynic may have called him "naive," "sucker." The cynic may have suggested several ways he might evade hazardous duty. No matter. Duty and honor prevailed. His picture on the family piano and a purple heart mounted beside the picture are their painful reminders of a loved one.

"God, Country, Notre Dame," to him was not just a letterhead, nor just an engraving on a plaque that hung in his room. "God, Country, Notre Dame" were the touchstones of his life. They gave purpose to his living and meaning to his premature death.

John Stuart Mill once said, "War is a terrible thing, but not the worst of human failings. Worse is that poverty of spirit that says, 'Nothing is worth fighting for.' Such a man can never be free unless he is made so and kept so by better men than himself." More than any peace group, or Students United for Democratic Society or even the clergy, the soldier hates war, for it is he who suffers its wounds and scars. He knew the mud and the muck and mire, the endless days and the sleepless nights, the sickening sensation of fear, the constant dread that the next shell fragment or bullet might have his name on it. In the past this was true for the most part, but now not exclusively true. To the shame of the 20th century the rules of civilized warfare were tossed away, and civilians died (women and children) from indiscriminate bombings. ("Civilized warfare" -- there is an anomaly for you. "Civilized warfare" -- what a contradiction in terms). In the future what weapons will distinguish the armed soldier from the civilian, or the battlefield from the city? The aggressor and victim will suffer the same fate. There can be no victor.

It seems to me that the history of the world is the struggle of mankind to be free. But synonymous with freedom is justice, and St. Thomas tells us that the fruit of justice is peace. Freedom, justice, and peace. How inextricably they are joined together. How harmonious life would be if in every corner of the world each person of whatever color or creed, ethnic background, or political persuasion could say, "I am free; I live under justice. I am at peace." Is this the impossible dream? Is human nature so depraved that servitude, prejudice, and war must be accepted as inevitable by the only species on earth with God given rationality? Was that greatest philosopher, Plato, right when he mournfully pronounced that "only the dead have seen the end of war?"

A university is essentially in pursuit of truth; truth in the sciences, in the arts, in the law, international relations, in philosophy and theology and in the dozens of related subjects. But the pursuit of truth has no greater imperative to the trained mind than freedom, justice, and peace. Perhaps one of the most hopeful signs of our times is the establishment at Notre Dame University of the Institute for International Peace Studies. This will be no mere provincial or closed academic exercise. It enormous international accomplishments and repute, and from every pertinent discipline to study, weigh, and discuss the causes of conflict and the ways of resolution. An essential to the success of this program will be the students (undergraduate and graduate students) with their penetrating, incisive, and provocative questions. They will challenge the panel leaders for reasonable and understandable answers. What a combination -- the idealism, energy, and vitality of students with the wisdom, experience, and practicality of the experts in international relationships. This institute will plant the seed which will, we pray, germinate, and grow and hopefully make available to the political leaders of the world a treasury of alternatives to war.

More than this. The nearly four billion people on earth yearn, beg, plead, crave, and pray for a lasting peace. In this day of rapid universal communication, may their voices rumble like a tidal wave to warn the governments of all nations "We want -- nay, we demand -- freedom, justice, and peace now."

Then might the vast resources of each nation feed, clothe, and house its people suitably and educate its youth. Then could not the words of Pope Paul VI to the United Nations be a fulfilled prophecy, "No more war! War, never again!"

More than 100 years ago a president of the United States, gaunt and haggard from four years of fratricidal war, spoke at a dedication ceremony like this one. He concluded, "It is for us the living to be here dedicated to the great task remaining before us. That from our honored dead we take increased devotion to that cause for which they gave the last full measure of devotion." Indeed is it proper that we be dedicated again to the idea upon which our country was founded. That freedom and justice and peace be accorded to every citizen -- not just to the well heeled and the well connected. That labor and capital give and receive mutual respect for the rights of each, -- but the welfare of the nation stand before either. That radio, TV, and the press entering as they do into the very sanctuary of the American home be forces for wholesome intelligent living rather than stooping to satisfy the morbidly curious.

That the entertainment industry with its tremendous influence upon the youth of our country seek to elevate rather than degrade. That all of us recognize that there is a greater God than the dollar. That it is more important to make people better than to make cars better or peanut butter better. That if we expect that God bless America, America must first bless God.

Almost the last soldier to die in World War I was a young gifted poet. Had we had a Poet Laureate, he probably would have been it. He was a graduate of Rutgers and Columbia Universities and had received several honorary degrees. But he said that the highest honor he ever received was to be elected by his platoon of 60 men to be their sergeant. His body was found after the cease fire, and in his pocket they found a letter from his wife telling of the antics of his young son. Joyce Kilmer firmly believed that he was fighting to "make the world safe for democracy" and that this was the "war to end all wars." On the back of the envelope of his wife's letter, he wrote his last poem. In tribute to his soldier comrades he dedicated the poem to them. he called it the Peacemaker. I think it an appropriate tribute as well to the sacrifice of our Notre Dame men.

The Peacemaker

Upon his will he binds a radiant chain,
For freedom's sake he is no longer free
It is his task the slave of liberty
With his own blood to wipe away the stain.
That pain may cease he yields his flesh to pain
To banish war he must a warrior be
He dwells in night eternal dawn to see
And willingly dies abundant life to gain.

What matters death if freedom be not dead?
No flags are fair if freedom's flag be furled
Who fights for freedom goes with joyful tread
To meet the firestorm against him hurled.
And has for Captain Him whose thorn wreathed head
Smiles from the cross upon a conquered world!

Smiles and dies -- but sighs before he dies, "Peace be to you. My peace I give unto you. Not as the world gives, do I give unto you." My peace no man can take from you."

The peace of Christ be upon all who died for God, Country, and Notre Dame.

academic council minutes october 15, 1986

(1) Members present - Father Hesburgh, Professor O'Meara, Father Malloy, Father Tyson, Dr. Le (for Dr. Gordon), Dean Loux, Dean Castellino, Dean Schmitz, Dean Furuhashi (for Dean Reilly), Dean Link, Dean Hofman, Mr. Miller, Ms. Pec, Mr. Wurth, Professor Aldous, Father Blantz, Professor Crosson, Professor Geoffrion, Professor Swartz, Professor Etzel, Professor Wittenbach, Professor Marley, Professor Taylor, Professor Derwent, Professor Shephard, Professor Dutile, Mrs. Porter, Dr. Madden, Dr. Weigert, Mr. Molnar, Ms. Pieronek.

Observers present - Monsignor Sampson, Mr. Conklin, Mr. Gregory.

(2) Election of the Elected Members of the Executive Committee of the Academic Council.

The Academic Articles specify that the members of the Academic Council are: the Provost, the Associate Provost, the Chairperson of the Faculty Senate, five elected members and three members appointed by the President.

The normal procedure for election was followed. Each member of the Council picked five names from among the members of the Council. The top ten names were listed. Then a second vote of five names was taken. The five members receiving the most votes were elected.

The following members were elected:

Dean Francis J. Castellino
Professor Fernand Dutille
Professor Michael Etzel
Dean Roger A. Schmitz
Dr. Kathleen Maas Weigert

The following members were appointed:

Reverend Thomas E. Blantz, C.S.C.
Dean Michael Loux
Mr. Douglas Wurth

The following members serve ex officio:

Reverend Edward A. Malloy, C.S.C.
Professor Timothy O'Meara
Ms. Jean Pec

(3) Review Board for Appeals Concerning Alleged Sexual Discrimination -

The Review Board must consist of nine faculty members appointed each year, three of whom must be women. Provost O'Meara announced the members of the Board for 1986-87:

Professor Julia Knight
Professor Naomi Meara
Professor Xavier Creary
Professor Philip Gleason
Professor M. Katherine Tillman
Professor Edward Trubac
Professor Arvind Varma
Professor Neal Cason
Professor Yu Chi Chang

(4) Master of Laws Graduate Program -

Associate Dean Joseph Bauer presented the proposed program on behalf of the Law School. Materials were sent ahead of time to Council members.

Every good Law School in the United States awards a graduate degree. Having graduate students is desirable for the faculty.

Notre Dame has an already existing law program in London. There has also been a summer law program since 1970. The proposed graduate program would be the third component in London. The faculty is principally non-American and prestigious. The program will focus on comparative law and European law. The program will be offered to American law school graduates as well as non-American law school graduates. The program would be unique since it would be the only American graduate law degree offered outside of the United States.

Because of exigencies created by premature publicity, the Provost had tentatively approved the graduate law program in London for the 1986-87 school year. There are nine LL.M. students presently enrolled.

The American Bar Association has approved the graduate program. The Law School is requesting approval by the Academic Council of an LL.M. degree in general, not just in London. There are, however, no present plans to implement it at Notre Dame.

Father Hesburgh made mention of the three Notre Dame programs now sharing the faculty in London: The Arts and Letters undergraduate program, the M.B.A. program and the Law Program.

Dean Link described the dedication ceremony of the London building at which Chief Justice Warren Berger and the Lord Chancellor were both present.

A series of questions then emerged from the Council. The responses clarified a number of matters. There will be approximately twenty students each year. There may be some special cases considered at Notre Dame. Some of our regular faculty will participate on a rotating basis in London. The LL.M. allows us to attract better faculty in London. No

thesis will be required, which is in line with other graduate law programs. However, in the present experimental class, the majority of participants are doing a thesis.

Vote - At the conclusion of the discussion, Father Hesburgh put the matter to a vote. The Academic Council gave unanimous approval to the LL.M. degree.

(5) S/U Grades -

Assistant Vice President Chau T. Le made the presentation on behalf of the Graduate School.

The Academic Code presently restricts the S/U grade to courses without credit and dissertation research. Nevertheless, certain graduate courses for several years have been giving S/U grades. The present proposal would bring the Academic Code into line with practice.

The Graduate Council at its meeting on April 9, 1986 unanimously approved the following recommendation:

Section 18.1 of the Academic Code be revised as follows:

S - Satisfactory work (courses without semester credit hours, as well as thesis and dissertation research courses, departmental seminars or colloquia; workshops; field education and skill courses).

U - Unsatisfactory work (courses without semester credit hours, as well as thesis and dissertation research courses, departmental seminars or colloquia; workshops; field education and skill courses).

The proposed revision would apply to undergraduate courses as well.

S/U grades may be given for such courses. It is not required.

Dean Schmitz proposed an amendment to the recommendation which passed unanimously.

Father Tyson asked whether the use of the S/U grade for undergraduates would affect the P/F option. The answer was that it would not.

Vote - Father Hesburgh called for a vote of the recommendation as amended. It passed unanimously according to the following wording:

S - Satisfactory work (courses without semester credit hours, as well as research courses, departmental seminars or colloquia or directed studies; workshops; field education and skill courses).

U - Unsatisfactory work (courses without semester credit hours, as well as research courses, departmental seminars or colloquia or directed studies; workshops; field education and skill courses).

(6) Reactions to the Honesty Committee Report -

The Executive Committee of the Academic Council decided that this meeting of the Academic Council would be focused on receiving reports from the various constituencies rather than attempting to vote on the specific recommendations.

(a) Arts and Letters (Loux) -

Questions were raised about the language of the document. It was unclear whether 'shoulds' were intended to be requirements or recommendations.

The idea of a pledge on the bluebooks generated discussion. Some thought that it created an atmosphere of suspicion. These faculty members would prefer clearly published standards and one pledge at the beginning of one's academic career.

With regard to the specific recommendations, the College Council suggested the following amendments:

Recommendation 2a:

The individual professor has the primary responsibility for clarifying the application of the University Honesty Policy to his or her individual course.

Recommendation 2b:

Particular Attention should be paid to new faculty, first year and transfer students in the effort to clarify policies and procedures.

Recommendation 5:

When cases of dishonesty are discovered, the following steps of reporting should be implemented:

[1] It is the prerogative of the individual professor to assign an appropriate penalty for cheating, unless a department or program has a standardized penalties for violations, or to submit the violation to the appropriate College Honesty Committee (i.e., the College Honesty Committee of the Department offering the course)....

(b) Business (Furuhashi) -

Because of an extended discussion of the search for a new dean, the College Council was not able to take up the matter at the scheduled time. Father Hesburgh suggested that the Council report to the Executive Committee as soon as possible.

(c) Engineering (Schmitz)

There were many different points of view expressed.

Recommendation 2a - There was a strong reaction against supplying a written statement -

Recommendation 3 - A pledge was generally thought unacceptable -

Recommendation 4 - With regard to proctoring they did not like the emphasis on the professor's responsibility

Recommendation 5 - The proposed procedure was thought to be an improvement. They suggested striking the word 'anonymously.'

Recommendation 6 - The proposed punishment for a second offense was thought too rigid.

The general reaction was that the Council was displeased with the underlying philosophy because the recommendations do not help the students grow and assume responsibility for their own lives.

(d) Graduate School (Le)

The Graduate Council is entertaining discussion of an Honor Code for the Graduate School.

(e) Law School (Link) -

The Law School already has an Honor Code in effect.

(f) Science (Castellino)

The Council did not consider cheating to be widespread.

Recommendation 2a - They felt that it placed too much burden on the faculty. They proposed changing 'should be done in writing' to 'must be done in writing.'

Recommendation 3 - They opposed the recommendation of a pledge.

Recommendation 4 - A difference of opinion developed with regard to proctoring.

Recommendation 5 - Generally, it was supported. They do not like the 'anonymous' reporting of cheating. Part 3 should be first. Change 'unjust' to 'inconsistent.'

Recommendation 5 - The proposed procedure was thought to be an improvement. They suggested striking the word 'anonymously.'

(g) Student Body (Wurth) -

The discussion centered on whether to have an Honor Code. Student reporting on other students was not supported, but severe punishments were.

It was thought feasible to have an Honor Code without reporting.

Molnar - Students do not seem to favor a strict Honor Code. But something should be done because there is a problem.

Father Hesburgh - Students need to develop a sense of professional responsibility as it is operative elsewhere.

Father Malloy - He spoke of the evolution of the present recommendations. What we have is a compromise document. There is a need to develop a consensus.

Dean Castellino - If you eliminate the reporting and the non-proctoring from an Honor Code, you come up with something like the present recommendations.

(7) Adjournment -

Father Hesburgh called for an adjournment. The next meeting of the Academic Council is scheduled for Tuesday, November 4, 1986 at 3:00 p.m. in Rooms 100-102-104 of the Center for Continuing Education.

Respectfully submitted,

(Rev.) Edward A. Malloy, C.S.C.
Secretary to the Academic Council
October 21, 1986

faculty senate minutes may 6, 1986

The Chairman, Prof. John H. Yoder, called the meeting to order at 7:35 p.m. Old and new members were invited to introduce themselves, after which the Chair made the invocation. The previous Journal was approved; during the discussion Prof. John Croteau moved that the Journal not distinguish between excused and not excused absences. The motion was seconded by Prof. Philip Gleason. Croteau thought this practice was archaic and undignified, but Prof. Thomas Kosel pointed out that, according to the Bylaws, it was necessary to be present at half the number of meetings in a year in order to retain membership in the Senate. Dr. Sandra Harmatiuk also pointed out that the distinction allowed for accountability to one's constituency. The question was called and the motion passed with two opposed and six abstentions. A point of clarification was made, to the effect that in future presences and absences would be noted in the Journal without distinction.

The Chair raised the matter of the succession to the University President. Faculty input had been solicited by the Board of Trustees and a committee had been formed. The Senate might serve as another channel through which faculty could make their ideas known. Prof. Francis Connolly expressed discontent over the manner in which the committee was set up and asked for names. They were provided by the Chair with assistance from the floor; three of the deans with Professors Philip Gleason, Kathleen Weigert, John Yoder, Fernand Dutilleul, James Wittenbach. The Provost served as Chair and Prof. Edward Malloy as Secretary. Three senate members were therefore on the committee. Prof. David Burrell suggested that the senate concentrate on the profile rather than on specific names; Prof. Jean Pec thought that the committee could perhaps meet with the senate; Prof. Mario Borelli considered it essential that faculty opinion become known to the committee, while Prof.

Harvey Bender suggested that the Faculty Affairs Committee of the Board of Trustees could be the appropriate instrument. He moved that

The elected faculty members of the faculty affairs committee be asked to accept the charge to serve as channel to the faculty at large and the faculty senate with respect to the appointment of the new president.

In the ensuing discussion Prof. Paul Conway objected that the committee is not representative since several members from one college were eliminated. Guided by Ockam's dictum that entia non sunt multiplicanda sine necessitate, Burrell suggested that the three senators on the committee were an adequate channel of communication. Gleason gave his opinion that the trustees were anxious for faculty input, while Wittenbach pointed out that the Provost would be soliciting their advice. The question was called and the vote taken. The motion was defeated: 13 in favor, 20 opposed, 6 abstentions. Capt. John Rohrbough then moved that

The new executive committee draw up a set of proposals as to how to participate in the selection process to put before the September meeting.

(understood on the matter in hand). The motion was passed unanimously.

The senate then proceeded to elections to the Executive Committee and the other senate committees. After several ballots the results came out as follows:

Chair: Jean A. Pec (nominated by Borelli and seconded by Blackstead);

Vice Chairman: Mario Borelli (nominated by Kosel and seconded by Pec);

Secretaries: Pamela Falkenberg and Andre Goddu (by acclamation);

Treasurer: Capt. John Rohrbough;

Chairman, Committee on Administration: John H. Yoder

Chairman, Committee on Faculty Affairs: Francis X. Connolly

Chair, Committee on Student Affairs: Katharina Blackstead

Kosel then presented the proposed revision of the Bylaws, a draft of the suggested changes having been previously distributed. Prof. Teresa Ghilarducci then moved that

The Bylaws be revised to eliminate sex-exclusive language.

The motion was passed unanimously with one abstention. Croetau than moved that

In view of the hour further discussion of the revisions be talbed until the fall semester.

The motion was seconded by Borelli and passed unanimously. Prof. Anthony Trozzolo moved that

To provide greater continuity, the vice chairman should also be appointed as chairman-elect.

The motion was not voted on at this time. Bender, finally, proposed a motion of thanks to the outgoing Chairman for his excellent leadership during the current year. The motion was seconded by Pec and passed unanimously. The meeting was then adjourned at 9:45 p.m.

Present: Gerald Arnold, physics; Donald Barrett, sociology; John Attanasio, law; Harvey Bender, biological sciences; Katharina Blackstead, library; Joseph Blenkinsopp, theology; Frank Bonello, economics; Mario Borelli, mathematics; David Burrell, C.S.C., theology; Dino Cervigni, modern/classical languages; Francis Connolly, mathematics; Paul Conway, finance/business economics; John Croteau, emeritus; Pamela Falkenberg, communication & theatre; James Flanigan, C.S.C., art, art history and design; Teresa Ghilarducci, economics; Philip Gleason, history; Abraham Goetz, mathematics; Sandra Harmatiuk, freshman years of studies; Nai-Chien Huang, aerospace and mechanical engineering; Suzanne Kelly, institute for pastoral and social ministry; Thomas Kosel, metallurgical engineering; Bil McDonald, finance and business economics; Michael H. Morris, accountancy; Dian Murray, history; Jean Pec, library; James H. Powell, graduate admissions; Arthur Quigley, emeritus; John Rohrbough, ROTC; Anthony Trozzolo, chemistry; Robert Williamson, accounting; James

Wittenbach, accounting; John H. Yoder, theology; Andre Goddus, PLS; F. Ellen Weaver, theology; JoAnn Dellaneva, modern and classical languages; Thomas Flint, philosophy; Robert L. Kerby, history; Maria Rosa Olivera-Williams, modern and classical languages; Dennis Moran, Review of Politics; William Fairley, earth sciences; Richard Fessenden, chemistry; Eugene F. Gorski, C.S.C., theology; Philip Quinn, philosophy.

Absent: Panos J. Antsaklis, electrical engineering; Salvatore Bella, management; Rudolph Bottei, chemistry; Leo Despres, anthropology; Linda-Margaret Hunt; biological sciences; Gilbert D. Loescher, government and international studies; Robert Lordi, English; Jerry Marley, civil engineering; William McGlinn, physics; Irwin Press, anthropology; Donald Sporleder, architecture; Wilhelm Stoll, mathematics.

Respectfully submitted,

Joseph Blenkinsopp, Secretary

university libraries minutes

june 5, 1986

The meeting was called to order at approximately 2:20 p.m. in the Conference Room of the Administrative Office, 221 Memorial Library, by the Committee chairman, Harvey A. Bender. Present in addition to Professor Bender were committee members Lloyd H. Ketchum, Jr., Bill D. McDonald, Robert C. Miller (ex officio), and James E. Robinson, and the Committee Secretary, John B. Harlan.

The Committee wished its chairperson a happy birthday and best wishes in his campaign for election to the Board of the Society for Values in Higher Education.

Mr. Miller gave his report as Director of Libraries:

1. Robert Wittorf joined the library faculty as Library Systems Manager effective June 2. His primary area of responsibility will be direction and oversight of the automation implementation process, specifically the installation of the Northwestern Online Total Integrated System (NOTIS). He is currently working on the terminal network configuration, which will likely consist of a mix of Telex terminals and microcomputers.
2. Both parties, Northwestern University and Notre Dame, have now signed the contract for NOTIS.
3. The University has placed an order to purchase the central site hardware, an IBM 4381 Model 13.
4. The CICS operating system for our NOTIS installation has been purchased and successfully loaded on the IBM 3033 at the Computing Center. The NOTIS system software itself will be loaded on the 3033 the week of June 16. The 4381 is tentatively scheduled for delivery and installation in late June.
5. The specifications for our database and accompanying sample tapes of bibliographic records have been sent to NOTIS, and it is expected that the database will be loaded in September.
6. A letter has been received from John McGowan, University Librarian at Northwestern University, notifying user institutions that Northwestern has sold NOTIS to TBG, a multinational conglomerate whose holdings include BRS, a major producer of online databases. This sale should benefit NOTIS and its users, because one of BRS' strengths is system documentation, an area in which NOTIS can improve.

Professor Bender asked if there would be any problems with additional applications other than the Libraries' being loaded on the IBM 4381. Mr. Miller replied that the particular model of 4381 -- Model 13 -- is of such capacity that this will pose no difficulties. Professor Bender asked Professor McDonald if he is pleased with this development. Professor McDonald replied that he is very pleased. The 4381 provides great expansion potential, and frees up the IBM 3033.

Professor Bender reported that he had attended a meeting of the new Library Planning Committee at which planning for the second Library Planning Day was discussed. Foremost

among the discussion topics suggested for Library Planning Day was our NOTIS installation and the changes automation will bring to individual job responsibilities and duties. Mr. Miller briefly reviewed the first Library Planning Day held in March 1985, noting that it was intended to direct attention to long-range planning. This year the program will include a review of the Libraries' Five Year Development Plan, goal setting for 1987-88, and review of the draft document. "The University Libraries of Notre Dame: A Statement of Belief," previously distributed to this Committee. Library Planning Day is tentatively scheduled to be held August 13.

The minutes of the meeting of May 14, 1986 were approved for distribution and publication as written.

Professor Bender reported the results of the Committee's recent election: Professors Joseph Blenkinsopp (theology) and John W. Lucey (aerospace and mechanical engineering) have been elected to represent the College of Arts and Letters, and Engineering, respectively, for terms expiring in September 1989.

The Committee expressed its sincere and heartfelt gratitude to Professors Despres and Ketchum for their service on the Committee. Their terms expire following this meeting.

Following up on the discussion of preservation environmental costs during the Committee's May 14 meeting, Mr. Miller provided additional information regarding the practice of turning the air conditioning in the Memorial Library building off overnight to conserve electrical energy and the environmental impact on the Libraries' collections of that practice. After discussion, the Committee voted unanimously to adopt the following statement and recommendation for transmittal to the Provost and the Vice President for Business Affairs:

One of the major problems confronting libraries with collections that were acquired over a number of decades is their speeded-up deterioration due to an inadequate environment. A recent advisory from the Midwest Cooperative Conservation Program on environmental specifications for the storage of library materials emphasized the need to maintain close control of temperature and humidity in libraries. It pointed out that "most of the deterioration of library resources is chemical in nature, and heat speeds the rate of chemical reaction (the deterioration rate for cellulose (the main component of paper) is increased two and one-half times as temperature is increased from 68 degrees to 77 degrees Fahrenheit)" and that "maintaining humidity at a constant level is more important than attaining any one particular level." Variations in heat affect relative humidity, and fluctuations in relative humidity do cause structural damage to library materials.

This information calls into serious question the practice of turning off the air conditioning in the Memorial Library at 10:00 p.m. and turning it back on after 7:00 a.m. to save money on electrical energy, which began at Notre Dame in the early 1970's. Though there is a daily savings of \$220.14 and a seasonal savings of \$33,681.42, it results in the increased deterioration of all elements of the collections -- new and old, priceless and worthless, in-print and out-of-print, readily available and unavailable, and paper copies and film copies. Once started, the deterioration cannot be reversed, but it can be slowed down with proper care. The replacement of materials which are allowed to deteriorate beyond the point of usability cannot be guaranteed.

The restoration of deteriorated library materials which are irreplaceable is an expensive process. Since it costs \$1.75 per leaf to treat and rebind a book that is too brittle to use, the average-sized book of 300 pages will require \$525.00 to restore to a usable condition. A less costly but highly undesirable way from the scholar's point of view to replace brittle books is to microfilm them at an average cost of \$70.00 per title. The \$33,681.42 savings realized from the present energy conservation program will provide enough funding to treat and rebind 64 brittle books or to microfilm 480 of them per year.

It should be noted that the University Archives' collections of unique University records and papers of prominent faculty members and other individuals and organizations share the same detrimental environment that the Memorial Library's collections do. In a sense, the recorded

memory of the University is in jeopardy because almost none of the material can be replaced.

The replacement cost of the Memorial Library's collections is conservatively estimated by Notre Dame's General Accounting Office to be \$21,879,692.00. To spend \$34,000.00 annually to return the Memorial Library's environment to its pre-1970's condition to ensure that these costly and in some instances irreplaceable resources will be available for use for the foreseeable future is clearly prudent, and it will be in line with the University's practice of providing 24-hour air conditioning to areas which contain mainframe computers. Currently, a system of sensors for temperature and humidity control are being installed in the Memorial Library and this could result in the present \$34,000.00 savings being reduced.

We, the members of the University Committee on Libraries, urge that 24-hour environmental control be restored to the Memorial Library.

Mr. Miller introduced the topic of database searching by reporting that InfoTrac, a compact disk -- read-only memory (CD-ROM) based system available on a trial basis in the Reference area of Memorial Library, has been enthusiastically received by patrons. Students love it because it is quick and easy. The library faculty and staff are less enthusiastic about the system because it is not as accurate and thorough as traditional sources. The Libraries are currently trying to find a way to afford to keep it. Most searches conducted on InfoTrac thus far have been on business topics. As a result of InfoTrac, use of the Library's microtext resources is up 26 percent over last year. In addition to InfoTrac, the Libraries are exploring WILSEARCH, an online (rather than CD-ROM) version of indexes published by the H.W. Wilson Company, on a trial basis.

Funding sources for database use were discussed. Mr. Miller reported that the Provost has been asked for more funding to support searching. The Libraries will probably be acquiring the Cambridge Crystallographic Data File. The University is in line to receive a new endowment in chemistry from the Stephan family, and part of those funds may be used to acquire the crystallographic database and Chemical Abstracts' CAS Online service. The Friends of the Library at Notre Dame are exploring the idea of sponsoring a scholars' library fund to help untenured Notre Dame faculty defray their library research costs, including database searching and travel to other libraries with specialized collections in areas in which we do not concentrate. Mr. Miller observed that the entire issue of charging for library services will be a very real one in the not too distant future. He said he considers any additional subsidization of database searching during 1986-87 to be highly unlikely.

Professor Bender asked how much funding would be necessary to subsidize all desired database searching. Mr. Miller replied that it is unknown. The University Libraries currently subsidize the basic costs of searching, such as hardware, access to the database utilities (Dialog, etc.), and searchers' time. Only costs above and beyond that basic access are charged to the patron. Professor Robinson stated that the first step in subsidization should be support of faculty and graduate student research. Mr. Miller suggested that the Committee might want to spend considerable time in 1986-87 considering the issue of fees for library and information services generally. He noted that if sufficient funding existed to do so, the Libraries would hire a full-time data services librarian to deal with locally loaded databases.

Professor Ketchum asked what percentage of the Libraries' costs are attributable. Mr. Miller replied that it is about 60 percent, but cautioned that that figure is only a "guess-timate." He observed that this question would be part of the larger discussion when the Committee addresses financing library services generally. Professor Ketchum expressed his feeling that indirect costs for research grants should be increased to include funding for library services. Mr. Miller said he would develop a document for the Committee during the fall semester on this subject, to include information on funding patterns for other library services, such as interlibrary loan (ILL).

Professor Bender asked Committee members to submit agenda items for future meetings to Mr. Miller.

The Committee expressed its appreciation to its secretary, who is transferring to another position within the Libraries.

The meeting was adjourned at 3:21 p.m.

Respectfully submitted,

John B. Harlan
Secretary to the University Committee on Libraries

university libraries minutes

september 10, 1986

The meeting was called to order at approximately 12:15 p.m. in the Officers Room of the Morris Inn by the Committee chairperson, Harvey A. Bender. Also present were Committee members Joseph Blenkinsopp, John W. Lucey, Bill D. McDonald, Robert C. Miller (ex officio), James E. Robinson, W. Robert Scheidt, and the Committee secretary, Vicki Maachouk.

Professor Bender opened the meeting by welcoming Professors Blenkinsopp and Lucey and secretary Maachouk to the Committee.

First order of business was the election of chairperson for 1986-87. Professor Bender was reelected by acclamation.

Meeting dates were set for the year with the understanding that changes could be made in the future. A special meeting was set for Sept. 17 and the remaining meetings will be: Oct. 1, Nov. 12, Dec. 10, Jan. 14, Feb. 11, March 11, April 8, and May 13, with the possibility of a meeting in June if necessary. Meetings will be held at 4:00 p.m. in the Conference Room of the Administrative Offices, 221 Memorial Library.

The secretary was asked to check with members to see that their addresses and telephone numbers were correct and to prepare a current list for the next meeting.

Agenda items for the Sept. 17 meeting were introduced by Mr. Miller and briefly discussed. The Sweetland Report is an analysis of the Notre Dame Libraries' organization completed by Professor Sweetland of the Library School at the University of Wisconsin, Milwaukee. The proposed NOTIS User's Group would be a faculty and student users group for the libraries' automation effort. The University Library membership in the University of Chicago libraries will allow Notre Dame faculty direct borrowing access to these libraries. Notre Dame libraries will purchase 4 - 5 cards and these will be available to faculty. In response to Professor Bender's question Mr. Miller said that faculty will be informed of this through the Libraries' publication Access and perhaps a letter to all deans. Professor Bender suggested that writing it into the Committee minutes will reach additional faculty.

Professor Bender, referring to an earlier meeting between himself and Mr. Miller, asked about developments of the faculty brochure. Mr. Miller replied that someone is working on the brochure which will introduce the services and resources of the libraries to all current faculty and in the future will be given to all new faculty to Notre Dame. Professor Bender asked that a draft of the brochure be presented to the Committee.

Mr. Miller announced two new developments in the Libraries:

1. DISCLOSURE (the CD ROM version) has been purchased through an arrangement with the School of Business. This has information on corporations. It will be located in front of the Reference Desk, near INFOTRAC.
2. NOTA BENE, a word processing software for personal computers, has also been purchased. Professor Bender noted that this software is recommended by the Modern Language Association as the best software for the humanities. Mr. Miller added that 5 style sheets are built in and users can also create their own.

Professor Bender and Blenkinsopp brought up the matter of the approval plan and the need perhaps for updating the profile to reflect current interests. Professor Scheidt noted that the problems with the approval plan are a reflection of problems with the profiles upon which the plan operates. Professor Blenkinsopp said that an additional problem is when there is a need for retrospective material and the approval plan cannot help with those purchases. The subject of the approval plan will be added to the agenda for a future meeting. Another concern has been the varying support given to Ph.D. programs and non-Ph.D. programs.

The meeting was adjourned at 1:15 p.m.

Respectfully submitted,

Vicki Maachouk
Secretary

advanced studies

current publications and other scholarly works

Current publications should be mailed to the
Division of Research and Sponsored Programs,
Room 314, Administration Building

COLLEGE OF ARTS AND LETTERS

Anthropology

Christman, Elizabeth
E. Christman. 1986. The Betrayal.
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Economics

Ghilarducci, M. Teresa
M.T. Ghilarducci. 1985. Pensions and
Collective Bargaining. Pages 257-259
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tions Research Association. New York.
Kim, Kwan S.
K.S. Kim. 1986. U.S. Multinationals and
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Association Conference on Korea and
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Worland, Stephen T.
S.T. Worland. 1986. Aristotle and
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of Political Economy 18(3):528-529.

English

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J.V. Brogan. 1986. Wallace Stevens' 'Vacancy in the Park' and the The Concept of Similitude. The Wallace Stevens Journal 10:9-17.

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J.A. Buttigieg. 1986. The Dissemination of Deconstruction. The Eighteenth Century: Theory and Interpretation 27(2):182-186.

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Orr, Leonard

L. Orr. 1986. Review of James Joyce by B. Benstock. James Joyce Quarterly 23:507-509.

L. Orr. 1986. Review of Words in Reflections: Modern Language Theory and Postmodern Fiction by Allen Thiher, and Derrida on the Mend by Robert Magliola. Modern Fiction Studies 32: 351-353.

Government and International Studies

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D.C. Leege. 1986. Parish Organizations: People's Needs, Parish Services, and Leadership. Notre Dame Study of Catholic Parish Life 8:1-12.

Mainwaring, Scott P.

D. Share and S.P. Mainwaring. 1986. Transitions Through Transaction: Democratization in Brazil and Spain. Pages 175-216 in, W. Selcher, ed., Political Liberalization in Brazil: Dynamics, Dilemmas, and Future Prospects. Westview, Boulder, Colorado.

History

Biddick, Kathleen A.

K.A. Biddick. 1986. Review of W.H. TeBrake's, Medieval Frontier: Culture and Ecology in Rijnland. Speculum 61(3): 709-711.

De Santis, Vincent P.

V.P. De Santis. 1986. Review of W.W. Rostow's, Eisenhower, Kennedy and Foreign Aid (1985). History 14:75.

Hamlin, Christopher S.

C.S. Hamlin. 1986. Scientific Method and Expert Witnessing: Victorian Perspectives on a Modern Problem. Social Studies in Science 16:485-513.

Modern and Classical Languages

Bell, Steven M.

S.M. Bell. 1986. Entrevista a Juan Garcia Ponce. Hispamerica 15(43): 45-55.

Lanzinger, Klaus

K. Lanzinger. 1986. Der MLA-Jahreskongress 1985 in Chicago. Die Neueren Sprachen 85(3):345-346.

Olivera-Williams, Maria R.

M.R. Olivera-Williams. 1986. La poesía gauchesca de Hidalgo a Hernandez. Universidad Veracruzana, Veracruz, Mexico. 197 pp.

M.R. Olivera-Williams. 1986. La Nave de los Locos de Cristina Peri-Rossi. Revista de Critica Literaria Latinoamericana 11(23):81-89.

Sheerin, Daniel J.

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Music

Buranskas, Karen L.

K.L. Buranskas and M. Hayashi, Pianist. 1986. Cello/Piano Duo Concert: Sonatas by Debussy, Franck and Beethoven. Sogetsu Hall, Tokyo, Japan. K.L. Buranskas and M. Hayashi, Pianist. Cello/Piano Duo Concert: Sonatas by Debussy, Beethoven and Franck. Nova Hall, Tsukuba, Japan.

Core Course

Neiman, Alven

A. Neiman. 1986. Education, Power and the Authority of Knowledge. Teachers College Record 88(1):64-81.

Program of Liberal Studies

Schindler, David L.

D.L. Schindler. 1986. On the Foundations of Moral Judgement. Pages 271-305 in, G.F. McLean, F.E. Ellrod D.L. Schindler and J.A. Manns, eds., Act and Agent, Philosophical Foundations for Moral Education and Character Development. University Press of America, Lanham, Maryland.

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Ellrod, D.L. Schindler and J.A. Manns, eds., Act and Agent, Philosophical Foundations for Moral Education and Character Development. University Press of America, Lanham, Maryland.

Theology

- Collins, Adela Y.
A.Y. Collins. 1986. Reading the Book of Revelation in the Twentieth Century. Interpretation 40:229-242.
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R.A. Krieg, CSC. 1986. Zur Aktualitaet Der Christologie Karl Adams, (translated into German by J. Meyer zu Schlochtern. Theologische Quartalschrift 166:92-107.
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D.P. McNeill, CSC. 1986. The Afterword, Experiential Justice and Peace Education: Reflections on Forms and Foundations. Pages 231-245 in, D.M. Johnson, ed., Justice and Peace Education. Orbis Books, Maryknoll, New York.
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T.F. O'Meara, OP. 1986. Heidegger and His Origins: Theological Perspectives. Theological Studies 47(2):205-226.
Peterson, William L.
W.L. Peterson. 1986. Can APΣENOKOITAI Be Translated by Homosexuals? (I Cor. 6.9; I Tim. 1.10). Vigiliae Christianae 40:187-191.
Searle, Mark
M. Searle. 1986. The Notre Dame Study of Catholic Parish Life. Worship 60(4):312-333.
White, James F.
J.F. White. 1986. The Missing Jewel of the Evangelical Church. The Reformed Journal 36:11-16.

COLLEGE OF SCIENCE

Biological Sciences

- Craig, Jr., George B.
See under Munstermann, Leonard E. 1986. Journal of Medical Entomology 23(4): 423-428.
Fuchs, Morton S.
T.J. Delly, L.R. Whisenton, E.J. Katahira, M.S. Fuchs, A.B. Borkovec and W.E.

Bollenbacher. 1986. Inter-species Cross-Reactivity of the Prothoraciotropic Hormone of Manduca sexta and Egg-development Neurosecretory Hormone of Aedes aegypti. Journal of Insect Physiology 32(9):757-762.

Martin, Vicki J.

- V.J. Martin and W.E. Archer. 1986. Development of Nematocytes in a Hydrozoan Planula. Pages 23-29 in, Proceedings of the International Symposium on the Biology of Nematocysts. University of California, Irvine, California.
V.J. Martin and W.E. Archer. 1986. Migration of Interstitial Cells and Their Derivatives in A Hydrozoan Planula. Developmental Biology 116(2):486-496.
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Munstermann, Leonard E.
B.F. Eldridge, L.E. Munstermann and G.B. Craig, Jr. 1986. Enzyme Variation in Some Mosquito Species Related to Aedes (Ochlerotatus) Stimulans (Diptera: Culicidae). Journal of Medical Entomology 23(4):423-428.

Chemistry

- Fessenden, Richard W.
See under RADIATION LABORATORY; Tripathi, G.N.R. 1986. Journal of Physical Chemistry 90(17):3968-3975.
See under RADIATION LABORATORY; Das, Paritosh K. 1986. Journal of the American Chemical Society 108:4706.
George, Manapurathu V.
See under RADIATION LABORATORY; Das, Paritosh K. 1986. Journal of Photochemistry 34:13.
Miller, Marvin J.
S.R. Woulfe and M.J. Miller. 1986. The Synthesis of Substituted [[3(S)-(Acylamino)-2-oxo-1-azetidiny]thio] acetic Acids. Journal of Organic Chemistry 51(16):3133-3139.
Schuler, Robert H.
See under RADIATION LABORATORY; Tripathi, G.N.R. 1986. Journal of Physical Chemistry 90(17):3968-3975.

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- Sommese, Andrew J.
A.J. Sommese and A. Van de Ven. 1986. Homotopy Groups of Pullbacks of Varieties. Nagoya Mathematics Journal 102:79-90.

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U. Garg, W.F. Piel, Jr. and D.B. Fossan.
1986. Band Structure Change in $Z > 50$
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La. Physical Review C 33:1109-1112.

P. Grabmayr, G.J. Wagner, K.T. Knopfle,
H. Riedesel, P. Bogucki, J.D. Bronson,
Y.W. Lui, U. Garg and D.H. Youngblood.
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Poirier, John A.

S. Mikocki, J.R. Ficenec, S. Torres, W.P.
Trower, T.Y. Chen, E.W. Jenkins, K-W.
Lai, J. LeBritton, Y.C. Lin, A.E. Pifer,
H.C. Fenker, D.R. Green, J.R. Albright,
J.H. Goldman, S.L. Hagopian, J.E.
Lannutti, J.E. Piper, C.C. Chang,
T.C. Davis, R.N. Diamond, K.J. Johnson,
J.A. Poirier, A. Napier, J. Schneps,
J.M. Marraffino, J.W. Waters, M.S.
Webster, and E.G.H. Williams. 1986.
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Single-vee Events in 200-GeV/c π^-N
Interactions. Physical Review D 34(1):
42-52.

M.W. Arenton, T.Y. Chen, L.R. Cormell,
W.E. Dieterle, K.-W. Lai, J. LeBritton,
E. Prebys, T.C. Davis, R.N. Diamond, R.
Joyner, J.A. Poirier, J.W. Waters, M.S.
Webster, E.G.H. Williams and C. Roos.
1986. Observation on Massive $AK_S^0 \pi^+ \pi^- \pi^-$
Events Above 5 GeV/c². Nuclear Physics B
274:707-713.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Yang, Kwang-tzu

S.M. Bilski, J.R. Lloyd and K.T. Yang.
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the Laminar Natural Convection Velocity
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California.

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Natural Convection-Radiation Interac-
tions in Enclosures. Volume 1, Pages
131-140 in, Proceedings of the Eighth
International Heat Transfer Conference.
San Francisco, California.

H.Q. Yang, K.T. Yang and J.R. Lloyd.
1986. Flow Transition in Laminar
Buoyant Flow in a Three-Dimensional

Titlted Rectangular Enclosure. Volume 4,
Pages 1495-1500 in, Proceedings of the
Eighth International Heat Transfer Con-
ference. San Francisco, California.

COLLEGE OF BUSINEES ADMINISTRATION

Management

Williams, CSC, Oliver F.

O.F. Williams, CSC. 1986. The Apartheid
Crisis: How We Can Do Justice in a
Land of Violence. Harper & Row
Publishers, San Francisco, California.
xiv + 124 pp.

Marketing Management

Etzel, Michael J.

See under Gaski, John F. 1986. Journal
of Marketing 50(3):71-81.

Gaski, John F.

J.F. Gaski and M.J. Etzel. 1986. The
Index of Consumer Sentiment Toward
Marketing. Journal of Marketing
50(3):71-81.

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Dutile, Fernand N. Dutile

F.N. Dutile. 1986. Review of Education
Law: Public and Private. Notre Dame
Law Review 61:595-599.

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Bhattacharyya, Kankan

See under Das, Paritosh K. 1986. Journal
of the American Chemical Society 108:
4706.

See under Das, Paritosh K. 1986.
Journal of Photochemistry 34:13.

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of Physical Chemistry 90:3897.

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D. Meisel, P.K. Das, G.L. Hug, K.
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of Excited Benzyl and Other Arylmethyl
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Chemical Society 108:4706.

K. Bhattacharyya, P.K. Das and M.V.
George. 1986. Reactivity of
Sydnones with Singlet Oxygen.
Journal of Photochemistry 34:13.

S.K. Chattopadhyay, C.V. Kumar and
P.K. Das. 1986. Inverse Temperature
Dependence of the Dipolarophilic
Reactivity of Carbonyl Ylide Photo-
generated from trans-Stilbene Oxide.
Journal of Photochemistry 34:35.

J.C. Scaiano, M.V. Encinas, E.A. Lissi,
A. Zanoeco and P.

awards received

IN THE MONTH OF SEPTEMBER, 1986

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Government Intl. Stud.	T. Lent	Institute for the Study of World Politics	Inst. Study. World Politics	7,500 4.5
Biological Sciences	P. Klebba	Structure/Function of the Ferric Enterobactin Receptor	Natl. Inst. Health	109,242 12
Chemistry	T. Fehlner	Metallic Glasses	Dept. Army	33,000 6
Biological Sciences	B. Wostmann	Metabolic Studies of ¹⁴ C labelled pyridoxine	Ft. Wayne Dev. Center	9,050 8
Biological Sciences	G. Craig, W. Hawley	Factors Affecting Transmission of LAC Virus - NRSA Fellowship	Natl. Inst. Health	23,748 12
Aerospace Mech. Eng.	R. Nelson, T. Ng	Vortex Control	Natl. Aero. Space Admin.	40,000 24
Elect. Comp. Eng.	W. Porod	A Study of Electronic Transport and Breakdown in SiO ₂	Dept. Navy	125,000 30
Biological Sciences	C. Kulpa	Characterization of Microbial Consortium	Amoco Chemicals Res. Center	33,289 12
Elect. Comp. Eng.	D. Cohn	Intelligent Work Stations (IWS) in Engineering/Academic Environ.	Intl. Bus. Mach.	15,000 14
History	K. Biddick	Early European Development: 13th Century Pastoral Economics	Natl. Sci. Fdn.	54,448 24
Civil Eng.	S. Silliman	Permeability of Dolomite	U.S. Geological Survey	2,700 2
Biological Sciences	H. Bender	Regional Genetics Center Support Grant	Ind. St. Bd. Health	16,843 7
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	B. Jagoe	Notre Dame Center for Continuing Formation in Ministry	---	26,694 --
Inst. Past. Soc. Min.	E. Bernstein	Notre Dame Center for Pastoral Liturgy	---	729 --
Inst. Past. Soc. Min.	E. Bernstein	Notre Dame Center for Pastoral Liturgy Publications	---	1,754 --
Inst. Past. Soc. Min.	S. Kelly	Programs for Church Leaders	---	5,064 --
Inst. Past. Soc. Min.	S. Kelly	Third Age Conference	---	325 --
Inst. Past. Soc. Min.	R. Pelton	IPSM Healing Visions	---	2,330 --
Inst. Past. Soc. Min.	R. Pelton	IPSM Parish Study Phase III	---	407 --
AWARDS FOR OTHER PROGRAMS				
Physics	P. Kenney	Intergovernmental Personnel Act of 1970	Dept. Energy	254,026 24
Earth Sciences	E. Winkler	Travel in Support of Research of Effects of Acid Rain on Marble	Field Mus. Natural Hist.	500 12
Music	C. Bower	Musical Theory and its Sources: Antiquity and the Middle Age	Natl. Endow. Humanities	16,000 6

proposals submitted

IN THE MONTH OF SEPTEMBER, 1986

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Chemistry	F. Castellino	Monoclonal Antibodies to Plasminogen Activator Peptides	Amer. Heart Assocn.	131,936 36
Biological Sciences	K. Rai, W. Black	Molecular Genetic Differentiation of <u>Aedes albopictus</u>	Natl. Inst. Health	* 12
Aerospace Mech. Eng.	T. Mueller	Separated Regions Near The Leading Edge of Airfoils	Natl. Aero. Space Admin.	45,871 12
Aerospace Mech. Eng.	K. Yang	Studies in Electronic Cooling	Mich. St. Univ.	1,056,060 60
Civil Eng.	L. Ketchum, M. McDaniel	Cognitive Processes in Engineering Design	Natl. Sci. Fdtn.	199,904 24
Civil Eng.	W. Gray	Cooperative Study of Dispersion in Porous Media Flows	Natl. Sci. Fdtn.	19,263 24
College Arts Letters	A. Collins	Interpretation of the Book of Daniel for the Series <u>Hermeneia</u>	J.S. Guggenheim Mem. Fdtn.	58,232 9
Physics	W. Johnson	Multiphoton Ionization	Natl. Sci. Fdtn.	10,640 12
Civil Eng.	R. Irvine	NSF Hazardous Waste Control Center	Natl. Sci. Fdtn.	20,009,300 60
Marketing Management	J. Weber	The Notre Dame Third World Hunger Research Project	Burroughs Corp.	875,544 36
College Arts Letters	A. Collins	Commentary on <u>Daniel</u> for <u>Hermeneia</u> Commentary Series	Amer. Council Learned Soc.	53,940 9
So. Bend Cent. Med. Educ.	N. Cole	Interactions of Human Herpesviruses & CNS Cells in Vitro	Ind. School Medicine	349,960 60
Chemistry	D. Pasto	Supplemental Summer Research Fellowship	Amer. Chem. Soc.	4,000 2
College Arts Letters	J. Della Neva	Renaissance Theories of Literary Imitation	Amer. Council Learned Soc.	35,148 10
Psychology	J. Borkowski, S. Maxwell	Metacognition, Motivation, and Inefficient Learning	Natl. Inst. Health	91,095 12
Civil Eng.	R. Irvine, L. Ketchum	Silicone Tubing in the SBR	Natl. Sci. Fdtn.	148,287 12
Chemistry	A. Serianni	Biologically - Important Furanosyl Rings	Natl. Inst. Health	91,590 12
College Arts Letters	F. Dasilva	Art and Society: The Recent Portuguese Experience	Council for Intl. Exchg. Scholars	53,360 9
English	J. Matthias	Thomas Paine: A Narrative	Natl. Endow. Humanities	4,060 3
Chemistry	K. Thomas	Photochemistry in Constrained Systems	Natl. Sci. Fdtn.	94,737 12
Physics	U. Garg	Gamma-ray Facility	Argonne Univ. Trust Fund	32,327 11
College Arts Letters	A. Goddu	William Ockham on Mathematics and Natural Philosophy	Amer. Council Learned Soc.	32,944 12
Biological Sciences	P. Diffley	Regulation of Growth in African Trypanosomes	Natl. Inst. Health	142,883 12
Biological Sciences	J. O'Tousa	Genetic Analysis of Retinal Degeneration in <u>Drosophila</u>	Natl. Inst. Health	126,177 12

Prog. Lib. Stud.	S. Fallon	The Emergence of Materialism in Milton's Prose	Natl. Endow. Humanities	4,060 2
Biological Sciences	M. Clancy	Regulation of Meiosis and Sporulation in Yeast	Natl. Inst. Health	151,538 12
Mod. & Class. Languages	J. Della Neva	Imitative Strategies	Natl. Endow. Humanities	4,060 2
Philosophy	G. Heffernen	A Critical Study of the Political Philosophy of "The Federalist"	Natl. Endow. Humanities	4,060 2

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Aerospace Mech. Eng.	R. Brach, S. McComas	Engineering for Minorities and Women	Corning Glass Works Fdtn.	53,272 9
College Eng.	H. Frailey	On-the-Job Training Course for the Practicing Cost Estimator	Golden Dome Prod. - WNDU	15,664 12
Chemistry	Johnson, Lappin, Miller, Schwartz	Curriculum Development for Undergraduate Chemistry	Lilly Endow. Inc.	39,574 5
Law School	C. Crutchfield	LSAC Minority Enrollment Grant	Law School Admin. Council	189,276 36
Law School	C. Crutchfield	LSAC Minority Enrollment Grant	Law School Admin. Council	188,034 24
Law School	C. Crutchfield	LSAC Minority Enrollment Grant	Law School Admin. Council	228,765 36

PROPOSALS FOR OTHER PROGRAMS

Prog. Lib. Stud.	M. Jordan	Moral Reasoning in Aquinas' <u>Summa theologiae secunda pars</u>	Natl. Human. Center	44,160 12
Snite Museum Art	D. Porter, T. Larkin	National Endowment for the Arts, Implementation	Natl. Endow. Arts	1,025,876 24

*Dollar Amount to be Determined.

summary of awards received and proposals submitted

IN THE MONTH OF SEPTEMBER, 1986

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	82,930	8	386,890	12	469,820
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	7	37,303	7	37,303
Other Programs	0	0	3	270,526	3	270,526
Total	4	82,930	18	694,719	22	777,649

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	355,620	23	23,475,356	28	23,830,976
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	53,272	5	661,313	6	714,585
Service Programs	0	0	0	0	0	0
Other Programs	0	0	2	1,070,036	2	1,070,036
Total	6	408,892	30	25,206,705	36	25,615,597

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An official publication of the University of Notre Dame, Department of Public Relations and Information. Individual copies are available in the Notre Dame Hammes Bookstore at 50 cents each. Mail subscriptions are \$10 per year. Back copies are available through the mail at 70 cents each.

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