

# notre dame report

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# the university

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## ibm donates equipment for solid-state research

The International Business Machines Corporation has donated \$1.5 million worth of semiconductor processing equipment for the solid-state research program in the Department of Electrical Engineering.

Researchers in the solid-state program are studying the fundamental properties of materials and devices used in integrated circuits needed for the manufacture of computers. According to Anthony Michel, professor and chairman of electrical engineering, the IBM equipment will increase the department's ability to educate engineers and contribute to the development of improved solid-state materials and devices. The results of such research may lead to the production of faster and cheaper computers.

The donation has been made through IBM's Technical Gifts Program, which provides support to higher education and the training of young scientists, engineers and technicians.

## new chair is in marketing strategy

The University has received a gift from Aloysius H. and Eleanor Nathe of San Francisco to endow a professorship in the College of Business Administration. The gift makes possible the establishment of the Aloysius and Eleanor Nathe Chair in Marketing Strategy.

Born in Little Falls, Minnesota in 1920, Nathe was graduated from the University of Minnesota in 1942 with a bachelor's degree in business administration. After active naval duty in both the European and Pacific theatres during the Second World War, he attended the University of California's graduate school of business, receiving an M.B.A. in 1949. In 1950, Nathe married Eleanor Winter Hanson. From 1958 to 1977, he worked for Levi Strauss Co., where he became senior vice president for personnel and corporate relations. He is now president of Nathe Associates, a San Francisco consulting firm. Mr. and Mrs. Nathe have three children, one of whom, Anthony, was graduated from Notre Dame in 1974.

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## accountancy chair established

The Vincent and Rose Lizzadro Chair in Accountancy has been established at Notre Dame by the late couple's son, an Oak Park, Ill., insurance executive who was graduated from the University in 1933.

Vincent Lizzadro emigrated to the United States from Baragiano, Italy, in 1912 at his wife's persuasion. Leaving behind his land holdings in Italy, he settled in Chicago to work as a railroad laborer. His wife and three children joined him in Chicago in 1914. In 1919 the family opened the Lizzadro Bakery at 2130 W. Polk St., where they also occupied upstairs living quarters. Lizzadro retired from the bakery business in 1951 at the age of 71 and moved his family to Oak Park. He died in 1958; his wife died 16 years later.

After receiving an accounting degree from Notre Dame in 1933, Dominic Lizzadro worked as an examiner for the Illinois Insurance Department. In 1949 he formed his own company, Industrial Fire and Casualty, Oak Park, and retired this year as its president. His daughter, Rosemary Romano, is the company's vice president and secretary.

Lizzadro has also spearheaded the renovation of many of Oak Park's older buildings. One of the structures, an office and shopping complex which contains his company's main offices, received an international architectural award for the restoration to its 1908 original condition. Lizzadro and his wife, Carmelita, have two granddaughters -- Diana Romano, a junior at Notre Dame, and Victoria Romano, a senior at DePaul University.

## alumni award recipients named

Three former students are recipients of Notre Dame Alumni Association awards, including new awards for distinguished service.

The Rev. William Corby, C.S.C., Award, a new honor named after Notre Dame's third president and noted Civil War chaplain, will be given to Msgr. Francis L. Sampson, special assistant to Father Hesburgh for ROTC affairs and a 1937 graduate of the University. The award is intended for a former student, living or deceased, "who has exemplified the values and true spirit of Notre Dame while serving in the active or reserve armed forces."

The Rev. John J. Cavanaugh, C.S.C., Award, also presented for the first time this year, was given to Congressman Romano L. Mazzoli of Kentucky, a 1950 graduate who has been a leader in immigration reform. The award is named for the University's 14th president and honors a former student "performing outstanding service in the field of government, patriotism, public service and local, state or national politics."

This year's Harvey Foster Award was given to James A. Mello, a former All America football player at Notre Dame who has spent the last 26 years assisting mentally handicapped children and adults at the Mansfield Training School in Connecticut. The Foster Award honors a 1939 graduate who served as president of Notre Dame's national Alumni Association, and is given to a living alumnus or alumna who may have been an athlete or involved in athletic endeavors "who distinguishes himself or herself through University achievements or civic involvement."

# faculty notes

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## appointments

Isaac Elishakoff, professor of solid mechanics at Technion-Israel Institute of Technology, Haifa, has been named visiting Frank M. Freimann professor of aerospace and mechanical engineering here, and William Krantz, professor of chemical engineering at the University of Colorado, has been named visiting Keating-Crawford professor of chemical engineering.

Dennis J. Stark, former men's and women's swimming coach, has been named director of aquatics at the University. He will continue to teach in the department of physical education. Tim Welsh has taken over Stark's coaching duties.

## honors

Joseph Blenkinsopp, O'Brien professor of biblical studies, department of theology, has been appointed associate editor of Harper's Bible Commentary.

John J. Collins, professor of theology, has been appointed to the adjudication committee of the Biblical Archaeology Review Annual Book Award.

Three physics faculty members have assumed editorial duties with a new international journal, "Superlattices and Microstructures." John D. Dow, Freimann professor of physics, has been named editor-in-chief of the publication. Associate editors are assistant professors Gerald B. Arnold and Kathie E. Newman.

Morton S. Fuchs, chairman and professor of biological sciences, has been appointed to the Tropical Medicine and Parasitology Study Section of the Division of Research Grants of the National Institutes of Health, Bethesda, Md. He will serve for three years, effective in October.

Moiria Marti Geoffrion, associate professor of art, art history and design, has been appointed to the board of directors of the Mid-America College Art Association.

Robert L. Irvine, professor of civil engineering, has been elected president of the American Society of Civil Engineers, North Central branch, Indiana section, for 1985-86, and is serving as a member of South Bend Mayor Roger Parent's committee investigating the odor problem at the New Energy ethanol plant.

David C. Leege, professor of government and international studies, has been appointed guest professor of sociology and of the Center for the Study of Youth Development at the Catholic University of America for 1985-86, while on leave from Notre Dame.

Rev. Ernan McMullin, O'Hara professor of philosophy, has been appointed to the Subcommittee on Academic Career of the American Philosophical Association for a three-year term.

Carol A. Mooney, associate professor of law, has been appointed by Chief Justice Warren Burger to serve as reporter to the Judicial Conference Advisory Committee on Appellate Rules. The committee continually monitors the rules governing federal appeals and recommends and drafts changes to the rules.

James H. Seckinger, director of the National Institute for Trial Advocacy and professor of law, was appointed to the advisory board of the American Institute for Law Training Within the Office (AILTO), which is a project of the American Law Institute and the American Bar Association Committee on Continuing Professional Education.

Eugene Ulrich, associate professor of theology, has been chosen to succeed Frank Moore Cross of Harvard University in publishing the editio princeps of half of the Biblical Dead Sea Scrolls discovered in the main cave at Qumran. This is in addition to his having been selected to complete the other half of those Biblical scrolls originally assigned to the late Patrick W. Skehan of Catholic University.

Stephen Watson, assistant professor of philosophy, has been named an associate editor of "Continental Philosophy," a journal to appear semi-annually from Routledge.

## activities

Panos J. Antsaklis, associate professor of electrical engineering, gave a lecture titled "Control Synthesis with Two Degrees of Freedom - An Overview" at the Department of Electrical Engineering, Old Dominion University, Norfolk, Va., Oct. 24.

Hafiz M. Atassi, professor of aerospace and mechanical engineering, gave an invited lecture titled "Aerodynamics of a Three-Dimensional Gust Interacting with a Lifting Airfoil" at NASA Lewis Research Center, Cleveland, Ohio, Oct. 31.

Steven M. Bell, assistant professor of modern and classical languages, gave a presentation on "Literary Optics and the Mexican Revolution" at a symposium titled "The Mexican Revolution in Image and Text: Historical, Literary and Visual Perspectives," held at Chicago State University Oct. 11.

Edgar D. Berners, faculty fellow in physics, was chairman of the session "Small Electrostatic Machines and Short Contributions" at the S.N.E.A.P. International Conference on Electrostatic and Booster Accelerators at Argonne National Laboratory, Argonne, Ill., Oct. 21-24. He was appointed referee for the Review of Scientific Instruments for the papers presented in that session, and also presented a paper, "Rebuilding Ion Pump Elements for Longer Life."

Joseph Blenkinsopp, O'Brien professor of biblical studies, department of theology, gave an invited paper, "The Mission of Udhahorresnet and Those of Ezra and Nehemia," at the annual meeting of the Society of Biblical Literature, Anaheim, Calif., Nov. 23. He also gave a lecture on "Israel and

Jerusalem: Sacred and Secular" at the Forever Learning Institute, South Bend, Nov. 13, and participated in a workshop on Messianism organized by the United Religious Community, South Bend, Nov. 15.

Regina Coll, assistant professional specialist in theology, gave a series of presentations during a recent visit to Scotland: "Women in Today's Church," for the National Justice and Peace Commission, Glasgow, Oct. 19-20; "Spirituality from a Feminist Perspective," two-day workshop, St. Mary's Monastery, Kinnoull, Oct. 22-23; "Reclaiming Women in Scripture," Women's Caucus Meeting, New College, Edinburgh, Oct. 24; "Challenges for Today's Religious Women" for the Association of Religious Women, Edinburgh, Oct. 25; and "Feminist Spirituality" and "Issues in Authority" for the Newman Association annual meeting, Edinburgh, Oct. 26.

Xavier Creary, associate professor of chemistry, presented a lecture titled "Chemistry of -Keto Cations and Related Systems" to the Department of Chemistry, Central Michigan University, Mt. Pleasant, Oct. 21.

Vincent P. DeSantis, professor emeritus of history, gave a talk on "The Modern American Presidency" to the Hayes History Club at St. Joseph University, Philadelphia, Pa., Oct. 24.

Jay P. Dolan, associate professor of history and director of the Cushwa Center for the Study of American Catholicism, delivered the Touhy Lecture at John Carroll University, Cleveland, Ohio, Oct. 16. He spoke on "Religion in the Immigrant Community 1820-1920." He also spoke on "The Church and Change" at St. Catherine's Church, Riverside, Conn., Oct. 20.

William G. Dwyer, chairman and professor of mathematics, gave a talk titled "Maps Between Classifying Spaces" as an invited speaker at the Conference on Homotopy Theory and its Geometric Applications, held at Yale University, New Haven, Conn. Oct. 10-13.

Alfred J. Freddoso, associate professor of philosophy, presented a paper titled "Some Reflections on Translating Medieval Scholastic Philosophy" to a plenary session of an International Colloquium on the thought and writings of William of Ockham on the seventh centenary of his birth, hosted by the Franciscan Institute of St. Bonaventure (N.Y.) University, Oct. 10-12.

John F. Gaski, assistant professor of marketing, presented a paper, "The Concept of Consumer Market Efficiency: Toward Evaluating the Social Efficiency of Consumer Marketing," at the annual conference of the Association for Consumer Research, Las Vegas, Nev., Oct. 17-20.

Moirai Marti Geoffrion, associate professor of art, art history and design, curated the exhibition, "Indiana Invitational/Midwest Sculptural Installations and Placements" at 20 West Washington St., Indianapolis, Ind., Oct. 23-Nov. 15, and has displayed one bronze work in the "Master/Apprentice" exhibition at the Indiana State Museum, Indianapolis, Oct. 23-Jan. 1. A solo exhibition of her current work is on display at the Snite Museum of Art through Jan. 1. She moderated a panel on "Sculptural Spaces: External and Internal Places," and was a panelist on "Crossovers/Sculptural Works in Fiber" and on "Images of Midwestern Women" at the Mid-America College Art Association Meetings, Indianapolis, Oct. 23.

Sonia G. Gernes, associate professor of English, read from her work at the Indiana Arts Commission Forum in Indianapolis Oct. 22.

Rev. Theodore M. Hesburgh, C.S.C., president of the University, is among presidents and trustees of 13 universities and five foundations who have called on American higher education to form "long-term partnerships with South African universities and organizations that share a dedication to a nonracial democratic society in South Africa."

The statement grew out of a meeting Oct. 16 convened to consider ways to 1) increase educational opportunities for black South Africans, both in South Africa and in the United States, 2) strengthen the quality of independent, reliable information available in American universities about South Africa, and 3) conduct scholarly inquiry on social change in South Africa.

The group agreed it would "address a wide range of educational opportunities and needs after there has been further exploration of special possibilities" by South Africans committed to improving the education of blacks, both in and outside the established educational system.

Patrick Horsbrugh, professor emeritus of architecture, served as moderator at the Circle City III conference, sponsored by the Environmental Awareness Center, School of Natural Resources, College of Agricultural and Life Sciences, University of Wisconsin-Madison, held at Galena, Ill., Oct. 18-19.

Richard W. Hubbard, assistant director of the Center for Gerontological Education, Research and Services, chaired a panel on "Family and Intergenerational Issues in Gerontology" at the Indiana Governor's Conference on Aging, held in Evansville Oct. 23.

Robert L. Irvine, professor of civil engineering, presented a paper titled "Phosphorus Removal at a Full-Scale Sequencing Batch Reactor" at the international conference on Management Strategies for Phosphorus in the Environment, held in Lisbon, Portugal, in July. Coauthors of the paper with Dr. Irvine are Lloyd H. Ketchum, Jr., associate professor of civil engineering, R. Breyfogle, and J.F. Manning, Jr. The paper was published in the conference Proceedings. Dr. Irvine presented "Sequencing Batch Reactors" in July and August for the following groups: Innovative and Alternative Process Seminar, Alabama Department of Environmental Management, Montgomery; Innovative/Alternative Technology and Sludge Management Seminar, Tennessee Department of Public Health, Nashville; State of Kansas at Topeka, and State of North Carolina at Raleigh. He also presented "Bulking in Activated Sludge" at a specialized seminar on Modelling of Biological Wastewater Treatment in Copenhagen, Denmark, in August, and "Process Results and Oxygen Transfer Characteristics from Full-Scale Treatment of Hazardous Waste in a Sequencing Batch Reactor" at the 58th annual Water Pollution Control Conference, Kansas City, Mo., in October. Coauthors with Dr. Irvine are K.L. Norcross III and P.A. Herzbrun.

Kenneth P. Jameson, associate professor of economics, presented an address on "Truth and Authority, The Bishops and Economics: An Economist's Perspective" at the Kileen Chair Symposium at St. Norbert's College, De Pere, Wis., Oct. 24. He also participated in a panel with Archbishop Rembert Weakland, Dean Daniel Finn of the School of Theology, St. John's University, and Mr. Paul Scherl, president of Fort Howard Paper Company.

Rev. Robert A. Kreig, C.S.C., associate professor of theology, gave a workshop on ecclesiology for the parish council of Hilltop Lutheran Church, South Bend, Oct. 23.

David C. Leege, professor of government and international studies, delivered two papers, one on "Social Religiosity: Some Innovations from the Notre Dame Study of Catholic Parish Life" (co-authored with Michael R. Welch, associate professor of sociology), the other titled "Charles Hyneman, Democratic Theory, and Education," at the annual convention of the American Political Science Association, New Orleans, La., Aug. 29-31. He delivered the annual convocation address, titled "Roman Catholic Parishes in the United States: Twenty Years After the Council," at Christ the King Seminary, Buffalo, N.Y., Oct. 9. Together with Donald T. Critchlow, assistant professor of history, he co-chaired the Conference on Studying Federal Social Policy in 20th-Century United States, held at Notre Dame Oct. 11-12.

Rev. Ernan McMullin, O'Hara professor of philosophy, gave a colloquium on "Truth and Explanatory Success" at the University of Toronto, Ontario, Canada, Oct. 24.

Anthony N. Michel, professor and chairman of electrical engineering, presented a paper titled "Analysis of Transient Oscillations in a Nonlinear Feedback System" at the 23rd annual Allerton Conference on Communication, Control and Computing, held in Monticello, Ill., Oct. 3-4. He also participated (with William B. Berry and John J. Uhran, Jr., professors of electrical engineering) in the 1985 National Communications Forum, held in Chicago, Ill., Oct. 7-9. He and Dr. Berry also took part in Delco Remy's Faculty Visitation Program in Anderson, Ind., Sept. 16-17.

Robert C. Nelson, associate professor of aerospace and mechanical engineering, and graduate student Frank Payne attended the Vortex Flow Aerodynamics Conference held at NASA Langley Research Center, Hampton, Va., Oct. 8-10. Mr. Payne presented a paper titled "An Experimental Investigation of Vortex Breakdown on a Delta Wing," which he coauthored with Dr. Nelson.

Rev. Thomas O'Meara, O.P., Warren professor of Catholic theology, presented "Querry, Rycker, and Garrigou-La Grange: Theologies of Grace in Graham Greene's, *A Burnt-Out Case*" at the Conference on Christianity and Literature, held at Notre Dame Oct. 11.

Leonard Orr, assistant professor of English, chaired a session on "Sixteenth-Century Literary Theories" at the Sixteenth-Century Studies Conference, Ohio State University, Columbus, Oct. 24-26.

Alvin Plantinga, O'Brien professor of philosophy, presented three lectures, "Is Belief in God Properly Basic?", "On Ockham's Way Out," and "Epistemic Justification," at Hamilton College, Clinton, N.Y., Oct. 16-17.

Richard E. Ricker, assistant professor of metallurgical engineering and materials science, presented an invited paper titled "The Influence of Environment on the Fatigue Properties of Aluminum Alloys" in the Symposium on Modeling Environmental Effects on Crack Initiation and Propagation at the fall meeting of the Metallurgical Society of the American Institute of Mining, Metallurgical and Petroleum Engineers, Toronto, Ontario, Canada, Oct. 14.

J. Keith Rigby, Jr., assistant professor of earth sciences, presented a paper, "Paleocene Dinosaurs," at the National Meetings of the Society of Vertebrate Paleontology, Rapid City, S.D., Oct. 16-19. He also presented a paper titled "Dinosaur Decline and Eventual Extinction Near the Cretaceous/Tertiary Boundary, Hell Creek Fm., Mont." at the National Meetings of the Geological Society of America, Orlando, Fla., Oct. 27-31. He is coauthor of a paper presented at the National Meetings of the Geological Society of France, Oct. 18-20 in Paris, titled "Terrestrial Extinctions in Montana: Out with a Bang, Not a Whimper."

James E. Robinson, professor of English, presented a paper titled "Murder in the Cathedral and the Purification of Time" at the Conference on Christianity and Literature, Midwest Regional Meeting, held at Notre Dame Oct. 12.

John F. Santos, director of the GERAS Center and professor of psychology, served as a member of a Special Advisory and Review Committee for American Indian Mental Health and Development Centers for the Minority Center of the National Institute of Mental Health in Rockville, Md., July 12. He also delivered a presentation titled "Development and Delivery of Services for the Elderly" at the fourth annual Wisconsin Conference on the Hispanic Family in Milwaukee Sept. 27.

Mark Searle, associate professor of theology, presented two addresses on the Christian Initiation of Adults for the Archdiocese of Boston, Mass., Nov. 17.

J. Eric Smithburn, professor of law, served on a committee of law professors, judges and lawyers to plan course content and teaching methods for evidence classes offered to Michigan judges in the Evidence Workshop sponsored by the Michigan Judicial Institute, Lansing, Oct. 29.

Jandhyala Sobhanadri, assistant professional specialist in the Radiation Laboratory, presented two seminars, "Magnetic Resonance Studies in Transition Metal Complexes" at West Virginia University, Morgantown, Oct. 24, and "Dipolar and Exchange Interactions in Spin Coupled Systems" for the National Institutes of Health, Baltimore, Md., Oct. 28.

Andrew Sommese, professor of mathematics, gave an invited principal address, "A Survey on Hyperplane Sections of Projective Varieties" at the American Mathematical Society meeting in Columbia, Mo., Nov. 1-2.

Wilhelm Stoll, professor of mathematics, gave an invited talk titled "A Defect Relation for Moving Targets of Associated Maps" at the conference on "Partial Differential Equations in Complex Analysis" at SUNY-Albany, N.Y., Oct. 16-20.

Robert P. Vecchio, chairman and professor of management, gave an invited colloquium titled "Continuing Issues in Dyadic Research" at Michigan State University, Departments of Management and Psychology, in East Lansing Oct. 28.

Russell G. Wahlers, assistant professor of marketing, presented two papers titled "The Congruence of Alternative OSL Measures with Consumer Exploratory Behavior Tendencies" (with Michael J. Etzel, chairman and professor of marketing, and Mark G. Dunn, assistant professor of marketing) and "The Impact of Perceived Risk on Brand Preference" (with Dunn and G.U. Skelly) at the 1985 Association for Consumer Research Conference, held in Las Vegas, Nev., Oct. 17-20.

Rev. Joseph L. Walter, C.S.C., chairman of the department of Preprofessional Studies and associate professor of chemistry, attended the Association of

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American Medical Colleges annual meeting in Washington, D.C., Oct. 28-29, and chaired the executive council meeting of Alpha Epsilon Delta, the honorary premedical society, Oct. 28.

Stephen Watson, assistant professor of philosophy, presented a paper titled "'We Must Form a New Idea of Reason': Merleau-Ponty and Phenomenology" at the annual meeting of The Merleau-Ponty Circle, Southern Illinois University, Carbondale, Sept. 26-28, and participated in a session on ethics and narrative at a conference on the philosophy of Jean Paul Sartre at The New School for Social Research, New York, N.Y., Oct. 3-5.

Patricia Wismer, assistant professor of theology, presented "A Roman Catholic View of Salvation" at the Lay Academy of Religion, Wooster, Ohio, Nov. 13.

Warren J. Wong, professor of mathematics, delivered an invited address on "Maps on Rings of Linear Transformations" to the Algebra Seminar of the University of Washington, Seattle, Oct. 15.

Stephen T. Worland, professor of economics, delivered an invited paper titled "Pareto Optimality and the Moral Law: the Perspective of the Bishops' Pastoral Letter" at the annual convention of the Association for Public Policy Analysis and Management, Washington, D.C., Oct. 25.

Kwang-tzu Yang, Viola D. Hank professor of aerospace and mechanical engineering, recently visited the People's Republic of China, where he gave three invited lectures at the Shanghai Jiaotong University: "Recent Advances in Porous Media Heat Transfer," Oct. 7; "Turbulent Natural Convection in Vented Enclosures," Oct. 9; and "Three-Dimensional Turbulent Buoyant Flow and Heat Transfer in a Conventional Oven" Oct. 11. He also attended the International Symposium on Heat Transfer in Beijing, Oct. 15-18, where he presented a paper titled "A Total Slice Band Absorption Model for Nongrey Gas-Natural Convection Interaction in a Two-Dimensional Square Enclosure" (with Z.Y. Zhong and J.R. Lloyd). He served as a member of the International Committee of the Symposium and gave the closing remarks in the closing session of the symposium.

## deaths

Rev. Albert Schlitzer, C.S.C., 83, professor emeritus and former chairman of the theology department, Sept. 27.



# documen- tation

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## 1985 sheedy award address

(Delivered by Mary Katherine Tillman, associate professor in the Program of Liberal Studies, October 18, 1985.)

Father Hesburgh, Father Sheedy, Dean Loux, members of the Advisory Council, colleagues of the faculty and administration, welcome guests: Thank you -- for this honor, and for your kind attendance upon my words.

A colleague of mine at the University of Chicago recently related to me an item of media attention. The good news from a recent survey, it seems, is that 67% of all undergraduates in the country think their best teachers are middle-aged; the bad news, it seems, is that 67% of all undergraduates think that "middle-aged" means 25-35 years old!

I mean my brief remarks this afternoon to be a paean of praise to the "middle-aged" teacher, that is, to those educators who go before me, whose personal influence enables me to be a seasoned teacher of the young who visit my classroom and office and home. By "personal influence" I do not mean mere popularity, showmanship or entertainment; nor do I mean manipulation of any kind, that violation of our entrusted and precarious responsibility of opening up spaces of the spirit in which our students may mature freely according to their own patterns of growth and development.

Cardinal John Henry Newman, in his Oxford University Sermon on "Personal Influence," writes: "Truth has been upheld in the world not as a system, not by books, not by argument, nor by temporal power, but by the personal influence of those who are at once the teachers and patterns of it." I think we habitually believe that what we teach is only what we say and what we assign to be studied. We forget that always implicit in our words, whether they be philosophic, literary or scientific, are attitudes, interests and commitments which are, as it were, overheard by our perceptive listeners. Our students "catch" from us attitudes toward inquiry itself. They notice instinctively whether we love what we are doing or not, whether we wonder and criticize and investigate for a purpose, and they measure how large that purpose is, and whether it is worth their own time and devotion; with inner antennae, they sense in us respect, indifference or disdain -- not only toward themselves, and towards particular ideas and authors, but toward entire ways of knowing, judging, and even living. They are often unwittingly influenced to try on what we enthusiastically embrace, and to stand back from what we omit or reject. Whether the counters we shuffle are numbers or words, notes or colors -- as long as teaching involves the human voice, attitudes and values are being communicated. "In concrete reasonings," Newman writes, "we judge for ourselves, by our own lights, and on our own principles; and our criterion of truth is not so much the manipulation of propositions as the intellectual and moral character of the person maintaining them, and the ultimate silent effect of his arguments or conclusions upon our minds."

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At the root of the entire university movement, Newman placed the personality of the great teacher. He remarks (in the 1850's) that never before his day had "the prodigious power of the press" so threatened to dispense with every other means of instruction but the printed word. And yet, he says, whenever and wherever people are really serious about their education, they avail themselves of the rival method, "the ancient method, of oral instruction, of present communication,... of the personal influence of a master, and the humble initiation of a disciple, and, in consequence, of great centers of pilgrimage and throng, which such a method of education necessarily involves."

The general principles of any study may be learned at home from books. But no book can get to the felt difficulties and minute questions, the special spirit and delicate peculiarities of its author and subject in the same and certain way that come from the sympathy of mind with mind -- through the gestures, eyes, tone, emphases, manner, the casual expression and the unstudied turns of familiar conversation. Writes Newman: "If we wish to become exact and fully furnished in any branch of knowledge which is diversified and complicated, we must consult the living person and listen to the living voice."

Long before the Romans and Macedonians brought discipline, system and the institutionalizing of education to counterbalance the power of personal influence in education, it was, says Newman, "the action of personality, the intercourse of soul with soul, the play of mind upon mind, it was an admirable spontaneous force, which kept the schools of Athens going, and made the pulses of foreign intellects keep time with hers." One of those great Athenian personalities, Plato, writes in his dialogue, the Phaedrus: "The function of speech is to influence souls"; written words are but the memoranda of the living discourse within. To the god who invented the written word, Socrates has the King of Egypt boldly state:

Thanks to you and your invention, your pupils will be widely read without benefit of a teacher's instruction; in consequence, they will entertain the delusion that they have wide knowledge, while they are, in fact, for the most part incapable of real judgement. They will also be difficult to get on with since they will have become wise merely in their own conceit, not genuinely so.

Cardinal Newman is sometimes wrongly criticized (by those who are familiar with only one of his works on education, The Idea of a University) for ignoring, even excluding research in the life of the university. In fact, just as a Newman sees influential teaching at the center of the "bare essence" or "idea" of a university, so he sees the discipline of research and professional activity as necessary for the "integrity" or wholeness of a university. These activities of the professor he sees as the full flowering of influence beyond one's immediate circle of students. Such activities discipline, check and complete the influence of personality by providing a standard of measure in the discussions, collisions and guesses of scholars one with another. Outward from the center of personal influence and individual genius, inquiry is pushed forward, and discoveries verified and perfected; science is advanced and the great books, "the masterpieces of human genius," are originated.

In our own endeavors to recommend the true, the good and the beautiful to our students, and in our encouragements that they persevere along the pathways of inquiry, we should, I believe, be wary of that particular form of senility against which Chesterton warns: that is, of losing everything but our reason. It is not disembodied minds that we teach, but students; it is not disembodied ideas that we teach, but living ideas, values and realities. Only through persons and to persons is the truth made attractive, the good desirable, and the beautiful radiant. In Newman's words, "Truth there is and attainable it is, but its rays stream in upon us through the medium of our moral as well as our intellectual being." Whether we like it or not, personal influence and example are part and parcel of our message to the young.

And so I sing of the personal influence of the seasoned teacher: first of the unsung, those older teachers who go about their quiet business every day and month and year -- devoted to their students in countless hours of classroom and office conversation -- unaware of the sustaining effect of their example and commitment upon us who follow in their footsteps. Uncelebrated, they are the mainstay of higher education, and I believe it is to them that the very existence of the Shedy Award pays homage and thanks. And I sing of the great authors, who -- mysterious fact -- speak to us personally from beyond the veil of images and symbols, as Newman speaks to me; and I sing of the fellow inquirers with whom we interact in lively Socratic exchange -- in corridors, offices and seminar rooms here and across the world. I sing of my colleagues in the College of Arts and Letters, in the Program of Liberal Studies -- in particular, of Stephen Rogers, who died last April in the fullness of middle age, the best example of a teacher of influence that I could give. I sing of the Sisters of Charity of the Blessed Virgin Mary, whose

formative influences and friendships are still at the center of my life. And lastly, I sing of parents and families, our first educators, the most real authors of our lives and values -- of my own parents in particular, both professors of St. Louis University and always "middle-aged" to me. My grandmother and her only sister were teachers; my mother and her only sister and only brother were teachers; my father and his only sister were teachers; and all are teachers of me.

As I watch my mother with her grandchildren, I realize that all of us who educate are meant to be links in a chain -- creative members of the human family, the communion of saints and the community of scholars -- grateful recipients and compassionate, critical transmitters of an inheritance far richer than anything we explicitly say. And I recall often the grand words of Aristotle: "We are bound to give heed to the undemonstrated sayings and opinions of the experienced and aged, not less than to demonstrations; because, from their having the eye of experience, they behold the principles of things."

Thank you.

## summary of the board of trustees meeting october 25, 1985

1. Dr. Thomas P. Carney, Chairman of the Board, called the meeting to order, and Rev. Richard V. Warner, C.S.C., offered the opening prayer.
2. Three trustees who were attending their first meeting were introduced: Mayor Henry Cisneros of San Antonio; James R. Rinehart, Chairman of the Clark Equipment Company, South Bend, Indiana; and Joseph F. Dillon, Director of Marketing, Cole Associates, South Bend, and president of the Notre Dame Alumni Association.
3. The minutes of the spring (May 3, 1985) meeting of the Board were approved.
4. The president of the University, Rev. Theodore M. Hesburgh, C.S.C., reported on a meeting of the Fellows which had taken place during the previous half-hour. He said it had dealt largely with the Board of Trustees and broadening its membership.
5. The report of the Nominating Committee was presented by Dr. Carney. He said the Committee had proposed the re-election of ten trustees whose terms are scheduled to expire in May 1986. He also announced the nomination of two trustee candidates who will be asked if they are willing to accept the responsibilities of board membership, subject to formal election at the May board meeting.
6. Highlights of the previous day's meeting of the University Relations Committee were reported by its chairman, Mr. Frank E. Sullivan.
7. Dr. William P. Sexton, Vice President for University Relations, gave a progress report on planning for the projected capital campaign.
8. Special events scheduled in the months immediately ahead were reviewed briefly by Mr. James E. Murphy, Associate Vice President for University Relations.
9. The report of the Student Affairs Committee was presented by its chairman, Mr. Anthony F. Earley. He said the meeting of the previous day had dealt with three matters principally: the University's South African investment policy, a proposed overpass for the Notre Dame-St. Mary's-U.S. 33 intersection, and student membership on Board of Trustees committees.
10. Mr. Terrence E. Keating, immediate past president of the Alumni Association, briefed the trustees on a campus meeting of black alumni October 10-12, 1985. It concerned the role of black graduates in the alumni organization and how to attract more black students to the University.

11. Prof. Lee A. Tavis and Rev. Oliver F. Williams, C.S.C., made a formal presentation on "Multinational Corporations and Third World Development."
12. After an extended discussion, the Board of Trustees approved a new policy governing the University's investments in companies doing business in South Africa.
13. The trustees viewed "Notre Dame in Review, 1984-85."
14. Father Hesburgh presented the Report of the President. He discussed the relationship of Catholic colleges and universities to the Church as well as the faith and vision required for Notre Dame to achieve greatness.
15. Dr. John Brademas briefed the trustees on pending tax legislation which would affect colleges and universities and their philanthropic support.
16. Student membership on Board of Trustees committees was discussed briefly. The consensus was that it would be appropriate on certain but not all committees.
17. Chairman Robert K. Wilmoth presented the report of the Investment Committee. He said the University's total endowment has reached a new high of \$309 million.
18. The report of the Academic and Faculty Affairs Committee was offered by its chairman, Dr. Martha E. Peterson. She said the previous day's meeting dealt largely with the impact of computers on teaching and research. It also concerned the degree programs of the Graduate School. Future meetings will reflect trustee as well as faculty concerns, she said.
19. Mr. Joseph F. Dillon reported on the Alumni Association's continuing education and reunion programs as well as recent additions to the alumni staff.
20. Mr. Jerome W. Van Gorkom presented the report of the Financial Affairs Committee. Calling attention to the University's June 30, 1985, Financial Statements, he cited total revenues and other additions of \$130,791,298 and total expenditures and transfers of \$130,485,701, leaving a "modest surplus" of \$305,597.
21. The trustees' attention was called to several pending lawsuits to which the University is a party.
22. A Department of Defense Security Agreement resolution was approved.
23. The Officers of the University and staff members were excused as the Board of Trustees went into an executive session which concluded the meeting.

James E. Murphy  
Associate Vice President  
Briefing Officer

## minutes of the academic council meeting october 15, 1985

1. Provost O'Meara opened the meeting with a prayer.
2. Father Hesburgh then invited Provost O'Meara to cover several short items:
  - (i) The College Councils are presently attending to the matter of academic advising in their respective colleges as mandated by the Academic Council last Spring in its discussion of the Curriculum Committee Report. The College Councils will report to the Academic Council in the Spring semester.

(ii) The University Honesty Committee has been formed. It is chaired by Father Malloy. The other members include five faculty members (Dean Francis J. Castellino, Professors Stephen Batill, Rogert Wegs, Carol Mooney, and David Ricchiute, and four students, Earl Baker, Vincent Lowell, Margaret McCabe, and Robert Molnar).

(iii) The Panel on Sex Discrimination must be reconstituted each year. The members for this academic year are: Professors Neal Cason, Yu-Chi Chang, Xavier Creary, Moira Geoffrion, J. Philip Gleason, Trai Le, M. Katherine Tillman, Edward Trubac and Arvind Varma.

(iv) Certain changes in the Faculty Handbook were recommended by the Executive Committee -

\*Section 15.2 should read: 'history (1 semester); social science (1 semester).'

\*Section 5.1, 6.1 and 6.2 should be altered from 'dean of students' to 'office of residence life.'

\*The Academic Articles should include this description of the position of Dean of Administration:

'The Dean of Administration is appointed by the President. Within the framework of University policies and procedures, the Dean has responsibility, under the Provost, for academic facilities and for institutional research and planning.

The Dean of Administration is assisted in the duties of office by Associate and Assistant Deans, who are appointed by the President and who perform such duties and exercise such authority as may be delegated by the Dean.'

\*The inclusion of the description of the Dean of Administration's responsibilities in the Academic Articles was approved.

### 3. Junior Faculty Report -

Father Hesburgh indicated that the Faculty Senate had approved in May of 1985 the final versions of two reports, one on "Faculty Development" and one on "Junior Faculty." The texts appeared in Notre Dame Report, No.2, September 20, 1985. The Executive Committee decided to treat the Report on Junior Faculty first. It was agreed that a free-wheeling discussion would be encouraged, but that no votes would be taken in the October meeting.

(i) Professor John Yoder, President of the Faculty Senate, offered an introduction. He indicated that a Princeton Report on junior faculty was a catalyst for the development of the Notre Dame Report. He pointed particularly to the questions on pp. 43 and 44, the four points made by way of recapitulation on p.45, and the recommendations on pp. 45 and 46.

(ii) A general discussion then ensued. It generally followed the Roman numeral subdivisions.

#### (iii) I and II - General Considerations:

\*Dean Loux - This is a good statement of the situation as well as the dilemmas we face.

\*Dean Link - The term 'junior faculty' in the Report seems to refer primarily to the first three years of employment but it should include the first six years.

\*Father Hesburgh - There is the constant allegation that greater stress on research leads to decline in teaching in a University in transition. In the past, we bragged about the quality of our undergraduate teaching. Now research is required to obtain tenure. Some of the great teachers of the past may not have made it today. But no bad teachers have been approved for tenure. It would be a terrible thing to think that the price of being a great University would be poor undergraduate teaching.

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\*Professor Yoder - There is concern that the support structures for quality teaching be parallel with resources for research.

\*Professor O'Meara - There are no pre-given numbers or percentages applying in the decisions for renewal of junior faculty. Part of the decision depends on market conditions. In fact, the standards for renewal have been going up progressively.

\*Professor McGlinn - With regard to the single faculty policy there have been cases in which non-tenure track faculty have been hired for teaching.

\*Professor O'Meara - The University policy is a single faculty with some rare exceptions.

\*Professor McGlinn - If teaching is so important maybe tenure should be given primarily for teaching excellence in some cases.

\*Dean Link - Many great universities do not have a single faculty policy.

\*Professor Roos - We are trying something that is relatively unique in adhering to a single faculty policy.

\*Dean Castellino - As the University matures, we should allow room for exceptions but they should not be tenured.

\*Dean Link - We should not take the dual faculty route.

\*Father Hesburgh - You can have greater flexibility in such matters when you are a mature university.

### III. Research:

\*Professor O'Meara - The present configuration of teaching loads is:

Science - 2 plus 2 or 2 plus 1  
BA - 3 plus 2  
A&L - 3 plus 2 or 3 plus 3 or 2 plus 2  
Engineering - 2 plus 2 or 2 plus 1

Average class size has not changed in the last decade in terms of raw numbers.

\*Father Hesburgh - A minimum Class size should be determined.

\*Earl Baker - Teaching loads need to take into account the number of class preparations involved.

\*Father Hesburgh - We do not want to go over 10,000 students. After that size a university changes its nature and tone.

\*Professor Aldous - Is there a problem with class loads for junior faculty?

\*Professor O'Meara - There should be equity within given departments with regard to the teaching loads of different faculty ranks.

\*Father Malloy - The existence of postdoctorals in Engineering and Science is a variable that should be taken into account.

\*Professor O'Meara - We are getting faculty in the other colleges after some work at other universities.

\*Dean Castellino - Having a postdoctoral is not always an advantage.

\*Dean Reilly - At Notre Dame we encourage more collegiality in publication (co-authored pieces). Also faculty are hired two or three years out of graduate school.

\*Professor Goerner - Would there be an advantage to a nine year time for the tenure decision?

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\*Professor O'Meara - The emotional pressures for everyone involved get greater the longer the decision is put off.

\*Father Hesburgh - The quality of people coming up for tenure in recent years has improved greatly.

\*Professor Aldous - Do we have tenure impaction?

\*Professor O'Meara - This is not presently a problem. We are now around 64%. Some faculty have retired, faculty size has increased, and we have added chairs.

\*Father Hesburgh - Early retirement can be very attractive to some faculty. This helps the tenure situation.

#### IV. Teaching:

\*Professor Yoder - Reducing course loads can be done to improve the quality of teaching as well as the quality of research.

\*Professor Roos - We are attracting the best candidates for junior faculty positions. But some junior faculty need help. We can use summer support and leave grants before the tenure decision as effective mechanisms.

\*Father Hesburgh - Many faculty find it hard to work on several projects at once. They need concentrated time.

\*Dean Loux - In Arts and Letters they are trying to insure that junior faculty who are renewed will receive a leave of absence. Also, they encourage persistent grantsmanship even after a recent leave.

\*Dean Castellino - The competitive market place for young scientists in certain areas calls for summer money, and no teaching the first or second semester of the first year.

\*Dean Loux - It is hard to compare teaching loads in the respective Colleges.

\*Dean Reilly - In the fourth year (after renewal) in the Business College, a semester leave is granted internally. There is also an Institute for summer grants.

\*Father Hesburgh - We are totally in favor of creative ways to support junior faculty.

\*Dean Link - In Law the summer school was eliminated. Faculty members are paid for summer research. Leaves of absence do not make as much sense in Law.

\*Dean Schmitz - The support for junior faculty in Engineering includes summer support, a reduced teaching load, and laboratory equipment. Leaves are only granted after tenure.

\*Professor O'Meara - We have resisted fiefdoms by College at Notre Dame.

\*Father Hesburgh - In the overall University there is a place for both large and small classes. Students should have a mix.

\*Earl Baker - Poor teaching in large classes can be a disaster. A more personal intimate contact between teachers and students can be attractive in recruiting students.

\*Michael Ross - Having done undergraduate work in a large state university, class size does make a difference.

\*Professor O'Meara - Average class size has remained stable over the last decade. The total number of sections taught by regular faculty is down slightly, taught by non-regular faculty is up significantly, and taught by teaching assistants is down somewhat.

Writing courses and modern languages have several non-regular faculty. It is important to provide our graduate students with an opportunity to learn how to teach.

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\*Ann Marie Finch - She has had a good balance of class sizes in her four years. Professors in small classes have more rapport.

\*Joseph Kennedy - There are a number of large classes in Engineering.

\*Professor Gleason - Faculty tend to set their own teaching schedules according to personal convenience unless operating under other constraints. It is the responsibility of the Deans to oversee this. Scheduling of classes should not be a prerogative of the faculty. The movement to 75 minute classes for undergraduates on Monday-Wednesday is bad.

\*Professor Swartz - The faculty need blocks of time.

\*Father Hesburgh - The discussion of the Junior Faculty Report will be continued at the next meeting.

4. Elections to the Executive Committee of the Academic Council -

According to the normal procedures for balloting, the following persons will constitute the Executive Committee:

Ex Officio:

Professor Timothy O'Meara  
Reverend Edward A. Malloy, C.S.C.  
Professor John H. Yoder

Elected:

Dean Francis J. Castellino  
Professor Fernand Dutille  
Professor J. Philip Gleason  
Dean Michael J. Loux  
Dr. Kathleen Maas Weigert

Appointed by Father Hesburgh:

Earl Baker  
Dean Roger A. Schmitz  
Professor James Wittenbach

5. Next Meeting -

Monday, December 2, 1985 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



## corrections to nd report no. 4

Editor's Note: Following are corrections and additions to Notre Dame Report #4 which have been brought to the editor's attention. Page numbers listed below refer to Report #4; underlined portions are the correct changes to be made.

### University Committees

In the membership of the Academic Affirmative Action Committee on page 79, the listing should be: Kenneth R. Lauer, Professor of Civil Engineering.

On page 80, the complete title is: Committee on Admissions, Scholarships, and Financial Aid.

On page 83, in the membership of the Faculty Senate, the listing should be: David J. Kirkner, Associate Professor of Civil Engineering.

Margaret Porter, Assistant Librarian, should be added to the elected membership of the University Committee on Computing, page 86.

The following newly formed committees should be added:

Review Panel for Appeals Concerning Sexual Discrimination 1985-86

Neal M. Cason, Chairman and Professor of Physics  
Yu-Chi Chang, Associate Professor of Management  
Xavier Creary, Associate Professor of Chemistry  
Moiria Marti Geoffrion, Associate Professor of Art, Art History and Design  
Philip Gleason, Professor of History  
Trai Le, Professor of Law  
M. Katherine Tillman, Associate Professor in the Program of Liberal Studies  
Edward R. Trubac, Professor of Finance and Business Economics  
Arvind Varma, Chairman and Professor of Chemical Engineering

University Advisory Committee on the Disabled

Sr. John Miriam Jones, S.C., Assistant Provost, Chairperson

Esme C. Bellalta, Associate Professor of Architecture  
Angie R. Chamblee, Assistant Dean, Freshman Year of Studies  
Edwin B. Harris, Associate Director of Financial Aid  
Nathan Hatch, Associate Dean of Arts and Letters  
Sr. Jean Lenz, O.S.F., Assistant Vice President for Student Affairs  
Joan Milani, Coordinator of the Pre-Cana Program, University Ministry  
Robert Mundy, Admissions Counselor  
Patricia O'Hara, Associate Professor of Law  
Rev. Mario Pedi, O.S.B., Rector, St. Edward's Hall  
Bro. Bonaventure Scully, C.F.X., Rector, Keenan Hall

### Faculty of the University, Academic Year 1985-86

PATRICIA BICK-JANICKI, Associate Librarian. B.A., Newcomb College, 1970; M.L.S., Indiana Univ., 1976; M.S.A., Univ. of Notre Dame, 1982. (1976)

LCDR. PATRICIA RATHBUN, Assistant Professor of Naval Science. B.A., Long Island Univ., 1974; M.S., ibid., 1975. (1983)

CHARLES E. ROHRS, Adjunct Assistant Professor of Electrical Engineering. B.S., Univ. of Notre Dame, 1976; M.S., Massachusetts Institute of Technology, 1978; Ph.D., ibid., 1982. (1982)

# advanced studies

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## 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

#### English

- O'Rourke, William A.  
W.A. O'Rourke. 1985. Review of J. Ortega y Gasset's, *The Revolt of the Masses*.  
The Bloomsbury Review 5(12):10-11.

#### Government and International Studies

- Dallmayr, Fred R.  
F.R. Dallmayr. 1985. Pragmatism and Hermeneutics. The Review of Politics 47:411-430.

#### Music

- Cramer, Craig J.  
C.J. Cramer. 1985. Solo Recital. Stetson University, DeLand, Florida.  
C.J. Cramer and G.L. Walton. 1985. Recital, October 5. First Lutheran Church, Gainesville, Florida.  
C.J. Cramer. 1985. Solo Recital. Jacksonville Chapter, American Guild of Organists. First United Methodist Church, Jacksonville, Florida.  
C.J. Cramer and G.L. Walton. 1985. Recital, October 6. First Presbyterian Church. Gainesville, Florida.

- Walton, Gail L.  
See under Cramer, Craig J. 1985. Recital, October 5. Gainesville, Florida.  
See under Cramer, Craig J. 1985. Recital, October 6. Gainesville, Florida.

#### Philosophy

- McMullin, Ernan  
E. McMullin. 1985. The Significance of Newton's Principia for Empiricism. Pages 33-59 in, M.J. Osler and P.L. Farber, eds., *Religion, Science and Worldview*. Cambridge University Press, New York, New York.

#### Sociology

- Glass, Jennifer L.  
M. Tienda and J.L. Glass. 1985. Household Structure and Labor Force Participation of Black, Hispanic and White Mothers. Demography 22:381-394.

#### Theology

- Collins, Adela Y.  
A.Y. Collins. 1985. "Aristobulus", Translation and Annotation with Introduction. Volume 2, pages 831-842 in, J.H. Charlesworth, ed., *The Old Testament Pseudepigrapha*. Doubleday, Garden City, New York.  
Kannengiesser, SJ, Charles  
C. Kannengiesser, SJ. 1985. The Athanasian Decade 1974-84: A Bibliographical Report. Theological Studies 46:524-541.

### COLLEGE OF SCIENCE

#### Biological Sciences

- Carpenter, Stephen R.  
S.R. Carpenter, J.F. Kitchell and J.R. Hodgson. 1985. Cascading Trophic Interactions and Lake Productivity. BioScience 35(10):634-639.

S.R. Carpenter, A.M Berquist and J.C. Latino.  
1985. Shifts in Phytoplankton Size  
Structure and Community Composition Dur-  
ing Grazing by Contrasting Zooplankton  
Assemblages. Limnology and Oceanography  
30:1037-1045.

#### Chemistry

Ashburn, Stephen R.

See under Hsiao, Chi-Nung. 1985. Tetrahe-  
dron Letters 26(40):4855-4858.

Hsiao, Chi-Nung

C-N. Hsiao, S.P. Ashburn and M.J. Miller.  
1985. Enantioselective Aldol Reaction of  
Chiral Acyl Thiazolidine Thione Derived  
Boron Enolates. Tetrahedron Letters  
26(40):4855-4858.

Iwagami, Hisao

See under Miller, Marvin J. 1985.  
Tetrahedron Letters 26(33):3891-3894.

Miller, Marvin J.

S.R. Woulfe, H. Iwagami and M.J. Miller.  
1985. Efficient N-Sulfonylation of 2-  
Azetidinones Using S-Substituted Thio-  
phthalimides. Tetrahedron Letters  
26(33):3891-3894.

See under Hsiao, Chi-Nung. 1985. Tetrahe-  
dron Letters 26(40):4855-4858.

M.A. Krook and M.J. Miller. 1985. The  
Direct Cyclization of  $\alpha$ -Acylamino-Substi-  
tuted Hydroxamates to  $\beta$ -Lactams. Journal  
of Organic Chemistry 50(7):1126-1128.

#### Physics

Dow, John D.

See under Newman, Kathie E. 1985.  
Physical Review B 32(6):4034-4041.

Newman, Kathie E.

D.W. Jenkins, K.E. Newman and J.D. Dow.  
1985. Predicted Energy Band Gaps of  
(Al<sub>1-x</sub>Ga<sub>x</sub>)<sub>1-x</sub>Metastable, Substitutional,  
Crystalline Alloys Physical Review B  
32(6):4034-4041.

#### COLLEGE OF BUSINESS ADMINISTRATION

##### Accountancy

Rueschhoff, Norlin G.

N.G. Rueschhoff. 1985. Cooperative  
Accounting in Honduras: The Guanchias  
Case. The Cooperative Accountant  
38(3):27-30.

#### RADIATION LABORATORY

Bentley, John J.

J.J. Bentley and I.C. Carmichael. 1985.  
Electron Spin Properties of Complexes  
Formed by Li or Na with CO<sub>2</sub>. Journal  
of Physical Chemistry 89:4040.

Carmichael, Ian C.

I.C. Carmichael and G.L. Hug. 1985. A  
Note on the Total Depletion Method of  
Measuring Extinction Coefficients of  
Triplet-Triplet Transitions. Journal of  
Physical Chemistry 89:4036.

See under Bentley, John J. 1985. Journal  
of Physical Chemistry 89:4040.

Hug, Gordon L.

See under Carmichael, Ian C. 1985.  
Journal of Physical Chemistry 89:4036.

#### MEDIEVAL INSTITUTE

##### Ambrosiana Collection

Gabriel, Astrik L.

A.L. Gabriel. 1985. "German Receptors,  
'Reformators' and Proctors at the Uni-  
versity of Paris, 1495-1525." Pages 761-  
767 in, A. Nitschke, ed., Rapports II.  
Sections Chronologiques (II) Tables Rondes,  
Organismes Affiliés et Commissions  
Internes, Comité International des  
Sciences Historiques, XVI Congrès Interna-  
tional des Sciences Historiques.  
Stuttgart, Germany.

# awards received

IN THE MONTH OF OCTOBER, 1985

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Psychology	C. Crowell, A. Miller	Quality Assurance Program	Intl. Bus. Machines	10,000 6
Biological Sciences	F. Goetz	Chinook Gonad Samples	Wisc. Dept. Natural Res.	9,987 6
Lobund Lab	M. Pollard	Research in Aging and the Prolongation of Life	Retirement Res. Fdtn.	100,000 12
Metallurgical Eng.	A. Miller, C. Crowell	Interactive Videodisc Training in Chemical Safety	Intl. Bus. Machines	10,000 4
Electrical Eng.	D. Cohn	Use of Intelligent Work Stations (FWS)	Intl. Bus. Mach.	288,910 12
Radiation Lab.	R. Schuler	Support of Visiting Scholar for Exchange Program with USSR	Intl. Res. Exchanges Bd.	7,700 9
Kellogg Inst. Intl. Studies	M. Mpanya	Kellogg African Project	Yoder Dept. Store, Inc.	5,650 12
Aerospace Mech. Eng.	K.T. Yang	Three-Dimensional Natural Convection in Complex Enclosures	Natl. Sci. Fdtn.	130,117 12
Aerospace Mech. Eng.	T. Mueller	Boundary Layer Characteristics on Low Reynolds Number Airfoils	Dept. Navy	161,959 12
Aerospace Mech. Eng.	R. Nelson, T. Ng	Leading Edge Vortex Structure	Natl. Aero. Space Admin.	65,700 12
Chemistry	A. Serianni	Biologically-Important Furanosyl Rings	Natl. Inst. Health	84,577 12
AWARDS FOR FACILITIES AND EQUIPMENT				
Economics	W. Davisson	Computer Applications and College Teaching	Cray Res., Inc.	10,000 12
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	R. Pelton	Notre Dame Institute for Clergy Education	---	3,179 --
Inst. Past. Soc. Min.	E. Bernstein	Notre Dame Center for Pastoral Liturgy	---	3,190 --
Inst. Past. Soc. Min.	E. Bernstein	Notre Dame Center for Pastoral Liturgy-Publications	---	981 --
Inst. Past. Soc. Min.	S. Kelly	Programs for Church Leaders	---	600 --
Inst. Past. Soc. Min.	J. Gremillion	Institute for Pastoral and Social Ministry-Parish Study Phase III	---	705 --
AWARDS FOR OTHER PROGRAMS				
College Arts Letters	N. Hatch	Academic Advising, Arts and Letters	Lilly Endow., Inc.	25,000 21
History	W. Nugent	Frontier and Environment in America	Natl. Endow. Humanities	72,003 15

# proposals submitted

IN THE MONTH OF OCTOBER, 1985

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Theology	E. Ulrich	Dead Sea Scrolls	Natl. Endow. Humanities	207,995 26
Mathematics	N. Stanton	Eigenvalues of Complex Laplacians	Natl. Sci. Fdn.	161,343 36
Radiation Lab.	W. Huo, R. Schuler	Electron-, Photon- & Molecule- Molecule Collision Sec.	Natl. Aero. Space Admin.	77,952 12
Mathematics	A. Sommese	Transcendental Algebraic Geometry	Natl. Sci. Fdn.	77,061 12
Mathematics	A. Sommese	Transcendental Algebraic Geometry (Supplement)	Natl. Sci. Fdn.	9,815 12
Mathematics	W. Stoll	Theory of Several Complex Variables	Natl. Sci. Fdn.	98,674 12
Mathematics	W. Stoll	Theory of Several Complex Variables (Supplement)	Natl. Sci. Fdn.	34,939 12
Mathematics	D. Alvis	Special Involutions in Type $H_4$	Natl. Sci. Fdn.	67,368 24
Mathematics	A. Pillay	Topics in Model Theory	Natl. Sci. Fdn.	113,720 36
Civil Eng.	L. Ketchum	Latin American Linkage Development	Tinker Fdn.	226,500 36
Mathematics	B. Smyth	Topics in Differential Geometry	Natl. Sci. Fdn.	146,134 36
Mathematics	M. Nadel	Logic and Model Theory	Natl. Sci. Fdn.	141,855 36
Mathematics	F. Xavier	Immersion of Hyperbolic Spaces	Natl. Sci. Fdn.	112,588 36
Mathematics	S. Doty	Cohomology of Line Bundles	Natl. Sci. Fdn.	56,877 24
Mathematics	Taylor, Dwyer, Connolly, Williams	Algebraic and Geometric Topology	Natl. Sci. Fdn.	548,780 36
Physics	J. Kolata	Sub-barrier Fusion of Heavy Ions	Natl. Sci. Fdn.	10,780 24
College Eng.	M. Zeller, W. Berry	Metal- SiC Interface Studies	Standard Oil Co. of Ohio	23,978 12
Mathematics	G. Roberts	Operators with Multiple Characteristics	Natl. Sci. Fdn.	65,150 24
Mathematics	R. Lockhart	Growth Properties of Harmonic Functions	Natl. Sci. Fdn.	65,150 24
Biological Sciences	M. Clancy	Gene Expression During Sporulation in Yeast	Natl. Sci. Fdn.	75,790 12
Psychology	M. McDaniel	Encoding Difficulty and Memory	Natl. Inst. Health	56,956 12
Biological Sciences	P. Klebba	FepA, Calicins, and Ferric Enterobactin in <i>Escherichia coli</i>	Natl. Sci. Fdn.	303,632 36
Cushwa Cent. Amer. Cath.	J. Dolan, R. Skurski	Roman Catholic Theological Education	Lilly Endow., Inc.	90,199 18
School Architecture	R. Amico	Architectural Research and Design: An American Country Club	So. Bend Coun. Club	14,475 4

Biological Sciences	V. Martin	Stem Cell Development in Hydrozoan Embryos	Natl. Inst. Health	96,673 12
Psychology	Borkowski, Whitman, Schellenbach, Maxwell	Predicting and Modifying Parenting in Adolescent Mothers	Natl. Inst. Health	136,785 12
Biological Sciences	V. Martin	Stem Cell Development	Natl. Sci. Fdtn.	273,973 36
Psychology	M. McDaniel	Encoding Difficulty and Memory	Spencer Fdtn.	102,262 24
Aerospace Mech. Eng.	N.C. Huang, A. Szewczyk	Hydraulic Fracture	(various others)	65,727 12
Chemical Eng.	E. Wolf	FTIR Studies of Catalytic Oxidation Reactions	Natl. Sci. Fdtn.	227,088 36
Biological Sciences	G. Craig	Factors Affecting Vector Competence in <i>Aedes triseriatus</i>	Natl. Inst. Health	284,018 12

PROPOSALS FOR FACILITIES AND EQUIPMENT

Economics	Davisson, Amico, Beckman	Computer Application and College Teaching	Data Proc. Man. Assoc. Fdtn.	51,343 12
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PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Government Intl. Studies	F. Wright	GPDP Fellowships for Minority Graduate Students	Dept. Education	295,789 12
Management	B. Roach, M. Radzicki	Mee Professorship	Amer. Asbly. Coll. Schools Bus.	85,736 9

PROPOSALS FOR OTHER PROGRAMS

Cent. Educ. Oppor.	W. Outlaw, T. Broden	Educational Talent Search	Dept. Education	173,141 12
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## summary of awards received and proposals submitted

IN THE MONTH OF OCTOBER, 1985

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	380,394	7	494,206	11	874,600
Facilities and Equipment	0	0	1	10,000	1	10,000
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	5	8,655	5	8,655
Other Programs	0	0	2	97,003	2	97,003
Total	4	380,394	15	609,864	19	990,258

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	886,146	21	3,088,091	31	3,974,237
Facilities and Equipment	0	0	1	51,343	1	51,343
Instructional Programs	0	0	2	381,525	2	381,525
Service Programs	0	0	0	0	0	0
Other Programs	1	173,141	0	0	1	173,141
Total	11	1,059,287	24	3,520,959	35	4,580,246

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## notre dame report

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