

notre dame report

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the university

athletic endowment fund established

For the first time in its history the University will establish an athletic endowment fund to help meet the significantly increasing costs of college athletics, announced Rev. Edmund P. Joyce, C.S.C., Notre Dame executive vice president and chairman of the faculty board in control of athletics.

The announcement was made at a luncheon of the University's National Monogram Club, whose alumni members earned varsity letters in athletics. Edward W. "Moose" Krause, retired athletic director, will head the athletic endowment fund committee.

Father Joyce cited soaring costs which have eroded the impact of football and basketball revenues and the need to expand the athletic program to offer more opportunities for men and women to participate in college athletics on varsity, club and intramural levels as primary reasons for the endowment fund.

sheedy award

Dr. Thomas A. Werge, chairman and associate professor in the Department of English, has been selected by a student-faculty committee to receive the 1981 Father Sheedy Award for excellence in teaching. The award, which honors a former dean of the College of Arts and Letters and includes a \$1,000 prize, will be presented during a meeting of the College of Arts and Letters Advisory Council October 2.

cushwa endowment for catholicism research

The University's Center for the Study of American Catholicism has been endowed by the widow of alumnus Charles B. Cushwa Jr. of Youngstown, Ohio. The center will be named after Charles and Margaret Hall Cushwa who have been frequent benefactors of the University, most recently to Fitzpatrick Hall of Engineering dedicated in 1979. Formed in 1976, the Center has responded to widespread scholarly interest in the role played by Catholic Americans in forming the national culture.

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professions in american history

A public lecture series on "The Professions in American History," extending from September 1981 through April 1982, will be presented at South Bend's Century Center and Notre Dame's Center for Continuing Education (CCE).

The lectures, covering 11 separate professions, are sponsored by the University's Department of History and funded by grants from the Indiana Committee for the Humanities and the Schurz Communications Foundation, Inc. According to Dr. Nathan Hatch, director of graduate studies in the history department and coordinator of the project, the series is intended to stimulate thinking about the historical forces that have shaped the professions and to illustrate how the professions have influenced the whole of American society.

Maxwell Bloomfield of the Catholic University of America will begin the series with a discussion of the profession of law on Sept. 23, in the CCE. Other lectures include Ronald Numbers of the University of Wisconsin on medicine, Donald K. Price of Harvard University on government, and Martin E. Marty of the University of Chicago on clergy.

The complete set of lectures, with an extended introduction, will be published by the University of Notre Dame Press in hardback and in paper.

special notice

Information regarding changes and additions for the 1981-82 Notre Dame and Saint Mary's College Telephone Directory are due June 19. Please mail any corrections in your listing to Rm. 415 Administration Building using the following format:

MAGEL, Carl (Ellen), Director of Printing and Publications, 415 Admin. Bldg.....1234
3032 Princeton Dr., Mishawaka 256-1949

memorial library hours between sessions

Tuesday, May 12-Monday, June 22, 1981

1st and 2nd floors	
Monday-Saturday	8 a.m.-5 p.m.
Sundays	Closed

4th through 13th floors (Tower)	
Monday-Saturday	8 a.m.-10 p.m.
Sunday	1 p.m.-10 p.m.

Memorial Library will be closed: May 25 (Memorial Day).

The research libraries will be open Monday through Friday 8 a.m. - Noon and 1 p.m. - 5 p.m. They will be closed Saturdays and Sundays.

All libraries will return to their summer school schedule on Tuesday, June 23, 1981.

faculty notes

appointments

Roger A. Schmitz, Keating-Crawford professor and chairman of chemical engineering, will become dean of the University's College of Engineering June 22. On the faculty at the University of Illinois for 18 years before coming to Notre Dame, Schmitz did his undergraduate work at Illinois and received his doctorate from the University of Minnesota in 1962. He received a Guggenheim fellowship in 1968-69, and the following year his publications in the dynamics and control of chemically reacting systems won the Allan P. Colburn Award of the American Institute of Chemical Engineers. Schmitz received the University of Illinois award for excellence in undergraduate teaching in 1975 and in 1977 the American Society for Engineering Education's George Westinghouse award for "excellence and innovation" in teaching.

Edward R. Trubac, associate professor of finance and business economics, will succeed Prof. Herbert E. Sim as chairman of the Department of Finance and Business Economics. Trubac, who joined the Notre Dame faculty in 1960, is also director of the University's Master of Science in Administration Program, the nation's only master's program geared to training managers for the not-for-profit sector and one of the University's largest and fastest growing graduate programs.

honors

Nancy L. D'Antuono, assistant professor of Spanish, has been selected by the National Endowment for the Humanities to participate in a Summer Seminar on Comedy in the Drama of the Spanish Golden Age to be held at Duke University, Durham, N.C., under the direction of Dr. Bruce Wardropper, June 15-August 8.

James W. Frick, vice president for public relations, alumni affairs and development, has been named by the Council for Advancement and Support of Education (CASE) to receive the 1981 Frank Ashmore Award for distinguished service to his profession. The award will be presented at a national meeting of CASE delegates in the Washington Hilton July 16.

Animesh Ghoshal, assistant professor of finance and business economics, was elected "Outstanding Professor in the MBA Program" by the MBA Class of 1981.

Edward W. Krause, retired director of athletics, was honored by the 100 Club of Hammond, Ind., on May 17.

Walter Nicgorski, chairman and associate professor of the general program of liberal studies, and Mary Elaine Nicgorski, have been appointed Danforth associates. The Danforth Associates Program exists to encourage effective teaching and to humanize teaching and learning in the campus communities across the country. The appointment is given in recognition of special interest and contribution to enhancing faculty and student relationships. The Program is sponsored by the Danforth Foundation, St. Louis, Mo.

Norlin G. Rueschhoff, chairman and associate professor of accountancy, has been appointed a member of the Accounting Administrators Continuing Education Committee of the American Accounting Association for academic year 1981-82.

Xavier Creary, associate professor of chemistry, presented a seminar entitled "Diverse Transformations of α -Keto Triflates" at American Cyanamid Company, Princeton, N.J., on April 23.

Michael J. Crowe, professor in the general program of liberal studies and graduate program in history and philosophy of science, gave a paper entitled "Signaling the Moon or Mars: From Gauss to Marconi," at the meeting of the Midwest History of Science Society in Akron, Ohio, on April 9-11. As president of the society he also chaired its business meeting.

Nancy L. D'Antuono, assistant professor of Spanish, presented an invited paper on "Calderón and the Italian Theatre of the Seventeenth Century," at the Kentucky Foreign Language Conference, University of Kentucky, Lexington, on April 25.

Jeanne D. Day, assistant professor of psychology, presented a paper, "Teaching Summarization Skills: A Comparison of Training Methods," to the Society for Research in Child Development, Boston, Mass., April 3.

William Eagan, associate professor of management, led a discussion on the "Code of Professional Ethics" that was recently adopted by the National Council for the Social Studies at the Convention of the Indiana Council for the Social Studies held at Ball State University, Muncie, Ind., on April 4. He also participated in a panel discussion on the topic "Are the New Texts Really New?" at the Annual Meeting of the Tri-State Business Law Association held at the University of Michigan, Ann Arbor, on April 17. He was also elected Secretary-Treasurer of the Tri-State Business Law Association at this meeting.

Stephen A. Fredman, assistant professor of English, gave a reading of his own poetry and his translations from the Spanish of Garcia Lorca, Vicente Huidobro and Fernando Alegria at the La Jolla Museum of Contemporary Art in San Diego, April 12. He repeated this reading in the Library Lounge at Notre Dame, April 22.

Julian Samora, professor of sociology and anthropology, was chosen "Honor Alumnus" by Colorado State University, Fort Collins, Colo. The citation will be given at the Commencement Exercises. He was also selected to serve on the Board of Directors of Instituto Colegial Cesar Chavez of Mount Angel, Ore.

Yu-ming Shaw, assistant professor of history, received special recognition for his works on China and Christianity. The editors of the International Bulletin of Missionary Research, in consultation with several scholars in the field of China and Christianity, recently selected Sixteen Outstanding Books on China and Christianity for special recognition of their contribution to mission studies. Their selection was limited to books in English published since 1965. Out of the sixteen selected, Shaw was a co-editor and contributor to China and Christianity: Historical and Future Encounters (Notre Dame, Ind.: Center for Pastoral and Social Ministry, University of Notre Dame, 1979) and also a contributor of an article to another selected book, China as a Challenge to the Church, eds., Claude Geffre and Joseph Spae (New York, N.Y.: Concilium Series/Seabury Press, 1979).

Don G. Vogl, associate professor of art, received an Award of Merit for "Cloud Dance", an acrylic painting entered in the 38th Annual Salon Show, Northern Indiana Arts Association, Hammond, Ind., April 25-May 26.

Rev. George C. Wiskirchen, C.S.C., director of brass ensembles and jazz bands and assistant director of bands, was presented an Alumni Merit Award from Northwestern University on April 11. Each of the colleges of the university present one award to alumni "who have distinguished themselves in their particular professions or fields of endeavor in such a way as to reflect credit upon their alma mater." He also received the "Music Educator of the Year Award" from the Solano Club of Quincy College in February.

activities

D. Chris Anderson, professor of psychology, Charles Crowell, assistant professor of psychology, Charles Snyder, assistant professional specialist of psychology, R. Derse, J. Sergio, and J. Madonia presented a paper titled "Individual Differences in the Rat: Some Preliminary Explorations," to the Midwestern Psychological Association, Detroit, Mich., April 30.

Linda Susan Beard, assistant professor of English, chaired a panel entitled "Protest Literature: South Africa" for the 7th Annual Third World Conference, the Palmer House, Chicago, Ill., on March 27. She presented a paper, "On the Horns of Dilemma: Defining the South African Writer," and chaired a panel on "Contemporary South African Literature" at the 1981 Annual Conference of the African Literature Association, Claremont College, Claremont, Calif., April 8-11.

John G. Borkowski, professor of psychology, M.K. Reid, and B. Kurtz presented a paper titled "Strategy Transfer, Metamemory, and Impulsivity," to the Society for Research in Child Development, Boston, Mass., April 4.

Alan B. Cain, assistant professor of aerospace and mechanical engineering, presented a paper entitled "The Secondary Instability of the Time Developing Mixing Layer," at the Midwest Universities Fluid Mechanics Retreat, held in Geneva, Ind., April 23-25.

Edward M. Gaffney, associate professor of law and associate director of the Center for Constitutional Studies, presented a paper, "An Overview of the Growth of the Federal Spending Power," at a conference on the Spending Power and the Rule of Law, sponsored by the White Center on Law and Public Policy of the Notre Dame Law School with funding from the John Olin Foundation, at the Wilson Center, Washington, D.C., March 12. Gaffney served as a respondent to Chief Justice Richard M. Givan at a public conference on Freedom of the Press held at IUSB early in April. He also presented two papers, "Federal Regulation of Higher Education," and "State Regulation of Higher Education," at the conference, "Freedom and Faith: The Impact of Law on Religious Expression and Freedom in the 1980's," sponsored by the Christian

Denis Goulet, O'Neill professor of education for justice, gave a series of three presentations on "Christians in the World, Makers of History and Witnesses to Transcendence," as part of the All Nations Lectureship on Church and Society, sponsored by All Nations Church in Berrien Springs, Mich., April 24-25.

Robert J. Havlik, University engineering librarian, presented a paper entitled "Fr. Julius A. Nieuwland and the 50th Anniversary of the Discovery of Neoprene" at the 24th annual meeting of the Midwest Junto for the History of Science, University of Akron, Ohio, April 9-11.

Eugene W. Henry, professor of electrical engineering and scientist in the Radiation Laboratory, presented "Computer Graphics in the Notre Dame Radiation Laboratory" at the Department of Energy Graphics Forum held at Oak Ridge National Laboratory, Oak Ridge, Tenn., April 27-29.

Patrick Horsbrugh, professor of architecture, was invited to participate in the program for the first Crosby Kemper Lectureship on British History, provided by the Crosby Kemper Foundations of Kansas City, Mo., at the Winston Churchill Memorial and Library in the United States, Westminster College, Fulton, Mo., April 26. He also gave an address, "The Elderly and Their Environment," to the Iowa Association of Homes for the Aging at Des Moines, Ia., on April 29.

Julie Jensen, assistant professor of speech and drama, authored a play titled "A Way Out of No Way" which was produced last fall by the Notre Dame-Saint Mary's Theatre and again by the Celebration Theatre at Wright State University, Dayton, Ohio, March 2-4.

James M. Johnson, assistant professor of finance and business economics, conducted two seminars entitled "Financial Analysis of Leasing for Lessors" at the Marketing and Financial Analysis: Partners in Planning Conference sponsored by the American Association of Equipment Lessors at the Center for Continuing Education, Notre Dame, Ind., April 28-30.

A.M. Kanury, associate professor of aerospace and mechanical engineering, made a presentation entitled "Correlation of Experiments on Extinction of Fires by Blast Effects" at the 1981 Asilomar Blast/Fire Conference of Federal Emergency Management Agency, held at Asilomar, Calif., April 19-25. He also participated in the FEMA Research Program Development Workshop on the same subject. Kanury also presented a seminar entitled "Algebraic Heat Transfer" to the

Mechanical Engineering Department of the Naval Postgraduate School, Monterey, Calif., on Aug. 22.

S. Graham Kelly III, assistant professor of aerospace and mechanical engineering, presented a lecture entitled "Non-linear Propagation of General Directional Cylindrical Waves," at the Midwestern Universities Fluid Mechanics Retreat, held in Rochester, Ind., April 23-25.

Stephen D. Kertesz, professor emeritus of government and international studies, was invited to participate in an international conference on "Hungarian History -- World History" at Indiana University in Bloomington, April 7-9. He was invited as commentator in the session on "Hungary and the Third World."

Donald W. Kline, associate professor of psychology, gave an invited presentation on "Sensory, Perceptual and Cognitive Aspects of Aging in Pilots" to the Expert Panel on Experienced Pilots Study, National Institute on Aging, National Institutes of Health, Bethesda, Md., April 27.

Howard P. Lanser, associate professor of finance and business economics, and John A. Halloran, visiting professor of finance and business economics, Washington University, St. Louis, presented a paper entitled "The Impact of Inflation on the Evaluation of Credit Policy Alternatives," at the Annual Meeting of the Eastern Finance Association held in Newport, R.I., on April 24.

Anton C. Masin, assistant librarian of rare books and special collections, gave a special exhibit and lecture on "The Private Press Movement -- Its Origins and Influence on Printing and Book Design," to the South Bend Antiques Club on April 20, in the Department of Rare Books and Special Collections.

Kevin M. Misiewicz, associate professor and 1980-81 Coopers & Lybrand Research Fellow in accountancy, presented a paper entitled "Does Itemizing Affect Deductions for Adjusted Gross Income?" at the proceedings of the 1981 Southeast Regional Meeting of the American Accounting Association in Birmingham, Ala., on May 1.

Thomas J. Mueller, professor of aerospace and mechanical engineering, presented a lecture entitled "Smoke Visualization -- A Path to Discovery," at a joint meeting of the Atlanta, Ga., and Tullahoma, Tenn. sections of the AIAA, as an AIAA Distinguished Lecturer, April 23.

Sharon O'Brien, assistant professor of government, was an invited participant in the Shell Faculty Forum which involved discussion between business executives and academicians concerning energy policies and issues of higher education, and was held in Houston, Tex., Jan 12-15.

John B. Pryor, assistant professor of psychology, and M.A. Borden, presented a paper, "Decreasing and Increasing Self-report Validity by Response Shaping and Self-Focus," to the Midwestern Psychological Association, Detroit, Mich., May 1. Pryor also gave a paper with M.L. Mitchell, L.K. Tyner, J. Herstein, and T.M. Ostrom, on "The Effects of Physical Discriminability on the Organization of Person Information," at the same conference. "The Influence of Race and Sex upon

the Memorial Organization of Small Groups" was also presented by Pryor with J.E. Lydon, K. Courtois, T. Ostrom, and J. Herstein.

Ellen Bouchard Ryan, associate professor and chairman of psychology, and George W. Ledger, postdoctoral research associate, delivered a paper on "Pictograph Learning and Pictograph Sentence Memory among Kindergarten Prereaders," to the American Educational Research Association, Los Angeles, Calif., April 14. Bouchard also gave a paper with M. Sheridan and E.J. Short, on "Differences in Schema Utilization by Skilled and Less Skilled Sixth Grade Readers," at the same meeting.

Julian Samora, professor of sociology and anthropology, presented testimony to the House Subcommittee on Census and Population on the general topic "Historical Overview of Population and Migration," Wash., D.C., on April 27.

R.H. Schuler, director of the Radiation Laboratory and professor of chemistry, was chairman of a session on "Aqueous Free Radical Chemistry" held at the Miller Conference on Radiation Chemistry at Bowness-on-Windermere, England, April 19-23.

Richard J. Sebastian, assistant professor of psychology, Ellen Bouchard Ryan, associate professor and chairman of psychology, and A.R. Abbott, presented a paper on "Evaluative Reactions to Adult Speakers of Various Ages," to the Midwestern Psychological Association, Detroit, Mich., May 1.

Herbert E. Sim, chairman and professor of finance and business economics, testified on "The State of Indiana's Economy" before a hearing of the Subcommittee on Economy Goals and Intergovernmental Policy of the Joint Economic Committee of the Congress of the United States. (Chairman Rep. Lee Hamilton, D. IN. Presiding), in Indianapolis, Ind., on April 21.

Roger Skurski, associate professor of economics, presented a paper entitled "Retail Services and Economic Development in the Soviet Union" at the Midwest Economic Meetings in Louisville, Ken., April 3. He also delivered a paper, "The Consumer in the

Economy of the 1980s" at the Midwest Slavic Conference in Champaign, Ill., on April 11.

J. Eric Smithburn, associate professor of law, served as Teaching Team Leader in the Advocacy Skills Seminar, sponsored by the National Institute for Trial Advocacy at Notre Dame, April 26-29.

Andrew J. Sommese, associate professor of mathematics, gave one of the main addresses at the Midwest Complex Variable Conference at the University of Kentucky at Lexington, Ken., on April 11. The title of his lecture was "On the Minimality of Hyperplane Sections of Projective Threefolds."

Anthony M. Trozzolo, Huisking professor of chemistry, served as a panelist in the discussion of "Future Responsibilities of Academia and Industry in Meeting Society's Needs" at the 18th E.C Britton Symposium on Industrial Chemistry sponsored by the Midland Section of the American Chemical Society and held at Dow Chemical Company, Midland, Mich., April 23-24. The panel was composed of three industrial chemists and three chemists from academic institutions.

Don G. Vogl, associate professor of art, displayed his acrylic painting, "Grand Vista," at the "Recent Acquisitions Show," Snite Museum, Notre Dame, March-April. Another acrylic painting, "Where Are Clouds Made?", was shown at the 12th Biennial Michiana Exhibit, South Bend Art Center, April 18-May 24. He was commissioned for 36 collage-prints by William Van Straaten Gallery, Chicago, to be displayed in a new building in Boston designed by I.M. Pei, architect.

Rev. Joseph L. Walter, C.S.C., chairman of preprofessional studies and national vice-president of Alpha Epsilon Delta, the International Premedical Honor Society, was the official Installation Officer for the 133rd Chapter of AED at Oral Roberts University, Tulsa, Okla., on April 25. He gave the invocation and spoke to the group on the subject entitled "What it Means to Belong to an Honor Society."

Thomas Werge, associate professor and chairman of English, lectured on Dante at St. Anselm's College, Manchester, N.H., on April 27.

documen- tation

minutes of the 198th graduate council meeting march 3, 1981

Approved at the 199th Graduate Council Meeting on April 28, 1981.

At 3:30 p.m. the chairman called the meeting to order in Room 121 of the Hayes-Healy Center. Members absent were: Dean Isabel Charles (replaced by Prof. Robert E. Burns), Dean Joseph C. Hogan (excused), Prof. Nathan Orr Hatch (excused), and Mr. Michael Tkacz (excused).

I. MINUTES OF THE 197th MEETING

The minutes of the previous meeting were approved.

II. ADMISSION TO THE GRADUATE FACULTY

The chairman described the procedure he had followed to check out each nomination for admission to the Graduate Faculty including discussion with the appropriate department chairman and on some occasions also with the dean. Following some requests for clarification concerning the status of some nominees, the chairman put the list of nominees to the vote. The list was accepted unanimously.

III. THE SUPPORT OF GRADUATE STUDENTS

To place the issue of summer support in its context, the chairman provided a brief historical background to graduate support in the U.S. from the "Days of Camelot" in the mid-1960's through the era of financial stringency in the 1970's. He recalled the national debate over the question, "Who shall pay?" which led to another question, "Who benefits?". The Newman Commission, which reported on the state of graduate education at the time, concluded that there are three groups of beneficiaries: society, the institution and the students themselves. Referring to institutional commitment to student support, the chairman described the support package (assistantships, fellowships, scholarships) arranged by the institution and awarded on the basis of merit on one hand, and outside loans made on the basis of need on the other. He mentioned the differential needs in teaching and research within the Graduate School and the differential capability of meeting these needs through University budget, endowment and outside funding. The University position has been to rely very little on outside loans and mainly on institutional funds supplemented by endowment, contributions and research grants. The chairman cited a number of endowments available at present to some departments and said he hoped that one day endowments could be established in every department in the University.

The chairman commended Rev. Paul Beichner, C.S.C., his predecessor as Dean of the Graduate School, for his success in establishing University fellowships in support to students in the humanities and social sciences to offset the Schmitt fellowship program available only to students in science, engineering and some social science departments. The chairman reported that this model is still working well for the Graduate School. In addition to this model, he has developed over the years other guidelines for support allocation to departments, namely:

1. Quality of the graduate program with emphasis on faculty productivity in scholarship and research;

-
2. Use of graduate students as teaching assistants vs. graduate assistants;
 3. Use of graduate students as research assistants and their relationship to sponsored programs in the department;
 4. Critical mass (enrollment) for a viable graduate program;
 5. Student credit hour generated in the department;
 6. Total FTE faculty in the department;
 7. Qualifications placed on the use of restricted funds;
 8. Efforts of the department to improve the cash flow through tuition cost sharing.

The chairman also reiterated some principles for support awarded to graduate students:

1. Four-year limitation: Although it is recognized that doctoral programs in some cases may take more than four years to complete and that exceptions will be made in these cases, departments are cautioned that support beyond the fourth year will unavoidably reduce their ability to assist incoming students;
2. Support of doctoral students: In departments offering both master's and doctoral programs, doctoral students should have first priority to support funds;
3. Support of full-time degree students: Support should be restricted to full-time degree-seeking students;
4. Satisfactory progress: Continuation of support is contingent on satisfactory academic progress including significant steps toward completion of degree requirements (language, preliminary examinations, development of thesis/dissertation proposals, etc.).

The chairman briefly commented on the periodic lists of fellowships, scholarships and grants available to graduate students, that the Office of Advanced Studies has recently compiled. Five such lists have been sent to date to Council members, graduate departments and the GSU for publication in the monthly GSU Newsletter. He was hopeful that the Departments were advising students toward seeking outside support for their work from these sources. It was, he noted, a way of life in academe in all but a very few disciplines.

Dean Francis Castellino expressed concern over the strict enforcement of the four-year limitation rule, believing that it could have an adverse effect on student recruitment. The chairman acknowledged this problem, but added that exceptions can be made and that the purpose of the rule is to help "condition people's thinking". It is the responsibility of the advisor, the chairman argued, to circumscribe students' research topics within manageable limits.

Prof. Karamjit Rai responded that the length of a doctoral program depends also on other factors, such as the number of courses a student carries in a semester, the availability of summer support, etc. He informed the Council that the data the Biology Department had collected seem to indicate that students in the 1960's completed their programs in less time than those in recent years and he wondered whether there was a connection between this new trend and the lack of summer support. Prof. Frederick Crosson suggested that the tight job market in the 1970's could also have had an impact. He believed that some limitation rule on support award is desirable, especially in the light of greater budgetary tightness in the times ahead. But he also recommended that exceptions be made whenever necessary.

Prof. Robert Burns proposed that students be allowed to continue at reduced tuition costs after a certain number of years in the program. The chairman replied that this provision has, in fact, been allowed by the University: After completion of the residency requirements, i.e., normally after three years, a doctoral student is required to enroll only for one credit hour each semester; in addition, a non-resident student at this stage will pay

only half of the credit hour cost. Rev. Robert Austgen reminded the Council of the policy which allows graduate assistants to move through this program as rapidly as other full-time students by taking a course in teaching practicum, seminar or workshop in addition to the maximum course load of nine credit hours normally carried by graduate assistants each semester.

Following this preliminary discussion on graduate student support, Prof. Rai was invited to address the issue of summer support. He opened with an acknowledgement of the considerable improvement in the dollar value of graduate stipends at Notre Dame in the last few years. He, however, believed that they are not yet competitive. According to him, low stipends in the academic year coupled with the lack of summer support, have caused some good applicants to go elsewhere. He cited the data of last year's applicant pool: only 12 out of 31 applicants to whom the department of Biology had made offers accepted to come. The department learned that the 19 students who had declined its offers had decided to go to other institutions (e.g., Wisconsin, Michigan, Tennessee, etc.) where stipends were about 33% higher on the average than ours. He further argued that we cannot rely solely on research grants for student summer support because these grants are becoming more scarce and also because they, if available, can only support a few students in the department. The recent decision of the College of Science to use the funds of Biomedical support grants to purchase equipment rather than to support faculty and students in research was also seen as a loss of another potential source of student support. Prof. Rai viewed summer support as an integral part of student support and an essential ingredient of the academic excellence that the University is pursuing. He did not think that funds for summer support should be drawn from existing academic year student support budgets, but believed they should be provided in addition to it. He used the round figure of 600 Ph.D. students as base to compute that if only 25% of this population was to receive support, at the current level, for two months in the summer, it would cost the University an additional \$127,000, which in the context of the overall budget is considered a modest sum. He suggested that, if necessary, the Graduate Council petition the University for additional summer support funds.

The chairman recognized that lack of summer support is a real problem for graduate departments, especially for those in science and engineering. He was aware that grants for summer support are not abundant in sciences and engineering and almost non-existent in the humanities and social sciences. On the other hand, he pointed out the difficulty of arguing both for increase in academic year support and for additional summer support. He said that the thinking so far has been to use the University funds for academic year support and to leave the main burden of summer support to the faculty. He quoted the following breakdowns in summer support for 1979:

University funds	15.8%
Federal government funds	58.8%
Other funds	25.4%

Attention was drawn to a table provided to members at the beginning of the meeting and entitled "Normal Range and Average Graduate Assistant Stipend Support in SS 1980". The chairman explained that there are no GA funds available in the summer and that graduate assistants included in the table were those supported in the summer of 1980 in large part by research grants.

The chairman then invited other members to discuss this issue. Prof. Michael Crowe suggested the option of stretching the academic year stipend to cover twelve months, following the same optional arrangement as for faculty salary. Mrs. Catherine Tkacz indicated that this could be acceptable as an option to students. She added, however, that many graduate students have to depend on their working spouses to stay in school. Rev. Austgen recommended that the Council consider the concept of twelve-month support together with Prof. Rai's proposal of the \$127,000 increment.

The chairman expressed concern that twelve-month support -- if entirely dependent on university funds -- could act as a "disincentive" to faculty efforts to obtain grants, to which Prof. Rai responded that there is no better incentive for the faculty to obtain outside grants than to have their own summer salaries covered. Dean Francis Castellino felt that all problems cannot be solved at once and that a decision must be made whether the graduate school should try to boost the stipend base or to obtain additional funds for summer support. He indicated that other Science departments have the problem of Biology to varying degrees, but that the existence of research grants in Chemistry and Physics temporarily ameliorates the problem.

In response to a question, Prof. Roger Schmitz told the Council that offers in Chemical Engineering are usually for twelve months.

The chairman concluded that he would take the merits of twelve-month support into consideration. He also urged departments to adopt the principle of differentiation in providing support to students at different levels of advancement in the program.

IV. REPORT OF THE NOMINATING COMMITTEE FOR THE GRADUATE COUNCIL ELECTION

Prof. Michael J. Crowe, Chairman of the Committee, presented the following list of nominees for the coming Graduate Council election:

Engineering

James M. Daschbach, Jr., Professor of Aerospace and Mechanical Engineering
Thomas L. Theis, Associate Professor of Civil Engineering

Social Sciences

Fred Dallmayr, Packey J. Dee Professor of Government and International Studies
Roger B. Skurski, Associate Professor of Economics

Humanities

Nathan Orr Hatch, Assistant Professor of History
Rev. Richard McBrien, Crowley-O'Brien-Walter Professor of Theology

The Council accepted the report by unanimous voice vote.

V. CHAIRMAN'S REMARKS

The chairman informed the Council that as of the end of February the number of applications this year was 27% higher than last year. On the other hand, the departments had not moved as fast this year in processing these applications.

The meeting was adjourned at 5:10 p.m.

Chau T. M. Le
Secretary

advanced studies

notes for principal investigators

National Institute of Health National Library of Medicine

The mission of the National Library of Medicine (NLM) is to assist the health community in finding ways for more rapid and widespread communication of biomedical information. In general, the mechanism of assistance is the grant-in-aid.

National Institute of Health Fogarty International Center for Advanced Study in the Health Sciences

The Fogarty International Center (FIC) provides a focus and an organizational mechanism for enhancing the role of NIH in international cooperation in all aspects of biomedical research. Specifically, the center:

- provides a locus for the assembly of outstanding scientists in research;
- further international cooperation and collaboration in the life sciences through its research programs, conferences and seminars;
- provides postdoctoral fellowships for research in the U.S. and abroad and supports senior scientist exchanges between the U.S. and other countries under bilateral agreements;
- coordinates NIH activities and functions concerned with the health sciences at the international level;
- serves as a focal point for foreign visitors to the National Institutes of Health.

information circulars

Additional information on all circulars listed below may be obtained by calling the following extensions:

- Extension 4487, for information on federal government programs.
- Extension 7433, for information on private foundations, corporations and state agencies.

NIH—National Heart, Lung, and Blood Institute The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation

No. FY81-637

Program:

The NHLBI wishes to support further research on the relationship between psychosocial stressors and smoking cessation and to provide practical direction for smoking cessation programs.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Heart, Lung and Blood
Institute
Dr. Margaret E. Mattson
Federal Bldg., Room 604
(301) 496-9380

(From 1981 ARIS)

NIH—National Heart, Lung and Blood Institute Research Fundamental to Protecting Ischemic Myocardium

No. FY81-638

Program:

The NHLBI is accepting applications for the regular research grant program to investigate the fundamental mechanisms associated with ischemic myocardium and infarct size limitation. These investigations may involve studies at the molecular, subcellular and cellular levels, in vitro in vivo or in the intact

animal. The therapeutic interventions in experimental animals and man are particularly encouraged. For example, the mechanism of action and the preclinical assessment of efficacy of various classes of therapeutic agents would be considered an important research undertaking.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Heart, Lung and Blood Institute
Dr. Richard P. Schwarz, Jr.
Federal Bldg., Room 3C06
7550 Wisconsin Ave.
Bethesda, Md. 20205
(301) 496-1081

(From 1981 ARIS)

**NIH—National Heart, Lung and Blood Institute
Division of Lung Diseases
Interstitial Lung Diseases Branch**

No. FY81-639

Program:

Research project grants available for programs in chronic obstructive lung disease, asthma, cystic fibrosis and bronchiolitis.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Heart, Lung and Blood
Institute
Division of Lung Diseases
Interstitial Lung Diseases Branch
Dr. Carol Vreim, Chief
(301) 496-7034

(From 1981 ARIS)

**NIH—National Institute on Aging
Cellular Aging Research: Differentiated Cells in
Culture**

No. FY81-640

Program:

The NIA seeks research and research training grant applications in cellular aging, encompassing growth and nutrition, somatic cell genetics and various aspects of cellular, molecular and developmental biology pertaining to differentiated cells. Research is encouraged in, but not limited to the following areas: Age-related changes in structure and function of differentiated products (specific structural proteins and enzymes); membrane structure and function; sub-cellular structures involved in motility, digestion, detoxification, secretion and various synthetic functions of the cell; nuclear structure and function; the relationship between *in vitro* and *in vivo* cellular aging as elucidated by cell and tissue transplantation and the use of chimeric and genetic mosaic animals; the use of somatic cell genetics; the requirements for establishment of normal differentiated functions. Studies with cultured human cells are preferred but use of invertebrate and other vertebrate cell systems is acceptable. The primary mechanisms of support for this program are: Research project grants and special research awards (July 1 deadline); postdoctoral fellowships, program project grants, clinical investigator awards, RCDA's and institutional training grants (June 1 deadline). A letter of intent listing name of PI, institutional address, title of application and abstract of research is required by the Basic Aging Program at the address given below.

Deadline:

June 1 and July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Dr. Nirmal K. Das
(301) 496-5534

(From 1981 ARIS)

**NIH—National Institute on Aging
The Cultured Fibroblast-like Cell: In Vivo
Precursor Cell Types and the Post-Proliferative
Characterization**

No. FY81-641

Program:

This program focuses on inadequate existing knowledge about the fate of presumptive post-mitotic cells and the in vivo precursor(s) of the in vitro fibroblast-like cells involved in the mechanisms of cellular aging. The goals of this program are to understand the basic mechanisms of cellular aging, the significance and mechanisms for loss of proliferative capacity of normal human fibroblast-like cells in culture and the understanding of the mechanisms and significance of human skin aging, by individual cell type and the expression of senescence consequent to the interaction of all skin components. The proposed program emphasizes investigation in the following areas concerning cultured human skin fibroblasts: 1) in vivo precursor cell types of in vitro primary culture and cell lines composed of fibroblast-like cells; 2) changes in differentiated function and other expressions of phenotypic change due to exposure of cells to the cell culture environment; 3) age-related changes in vivo density and distribution of the determined or putative precursor cells; 4) the relationship of such density and distribution to the in vitro age-correlated limit in population doubling capacity of cultured "normal" fibroblast-like cells; 5) possible in vivo cytopathology and/or age-associated changes in morphology of the precursor cells; 6) description and characterization of cells which can no longer proliferate, including the establishment of possible correlation of these post-proliferative cultured cells to in vivo cell types.

Deadline:

Nov. 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Dr. Nirmal K. Das
(301) 496-9265

(From 1981 ARIS)

**NIH—National Institute on Aging
The Genetic Basis of Aging: C. Elegans as a
Model System**

No. FY81-642

Program:

NIA wishes to stimulate research on the genetic basis for longevity and senescence in the laboratory nematode, *Caenorhabditis elegans*, to lead to more precise inquiry of aging in mammals. The program emphasizes include: Studies of population genetics to establish longevity patterns in wild and experimental populations of *C. elegans*; isolation of developmental mutants; identification and/or development of mutants; cell and organ culture studies of *C. elegans*; nutritional manipulation of lifespan; research on the biology of *C. elegans* at the molecular, biochemical and phys-

iological levels. NIA supports a *Caenorhabditis elegans* genetics center which acquires, stores and distributes *C. elegans* wild type and mutant strains and maintains the genetic map.

Deadline:

June 1 and July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Dr. Donald L. Riddle
Division of Biological Sciences
College of Arts and Sciences
University of Missouri-Columbia
Columbia, Missouri 65211
(314) 882-8319.

(From 1981 ARIS)

**NIH—National Institute on Aging
The Genetic Basis of Aging: Drosophila as a
Model System**

No. FY81-643

Program:

NIA seeks experimentation in *Drosophila* genetics to establish knowledge of the mechanisms of senescence and longevity.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Dr. Donald G. Murphy
(301) 496-6402

(From 1981 ARIS)

NIH - National Institute on Aging
The Genetic Basis of Aging: Protozoa as Models

**NIH—National Institute on Aging
The Genetic Basis of Aging: Protozoa as Models**

No. FY81-644

Program:

The goal of this program is to understand the biological and biochemical basis for individual and population senescence in protozoan model systems, whether specific genes or regulatory processes. Research is needed on the genetic, molecular and evolutionary basis of the senescence of protozoa. Organisms proposed for study must exhibit a decline in function attributed to senescence.

Deadline:

Nov. 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging

Dr. Donald G. Murphy
(301) 496-6402

(From 1981 ARIS)

NIH—National Institute on Aging Gerontological and Geriatric Dermatology

No. FY81-645

Program:

Research project grants and postdoctoral fellowships as well as program project grants, special research awards, clinical investigator awards, research career development awards and institutional training grants are available from NIA to study the basic mechanisms of dermatologic aging in order to facilitate the prevention, diagnosis and management of age-related skin disorders. Investigation related to aging processes is encouraged in disciplines ranging from basic molecular and cell biology to physiology and clinical medicine. Among possible approaches are studies of human skin, or skin-derived cells in culture and of animal models as well as the mathematical and computer simulation of biochemical and cellular events. Appropriate topics include: molecular and cellular biology; structural anatomy and pathology; immunology; physiology and clinical topics. NIA also encourages applications for grants to study social and behavioral aspects of aging skin. Letters of intent are due at least one month prior to formal submission of application. Potential applicants should write or contact NIA staff for information and instructions.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging
Dr. Carol H. Letendre
(301) 496-5534

(From 1981 ARIS)

NIH—National Institute on Aging Immunology Program

No. FY81-646

Program:

Grant applications are encouraged for individual research initiatives, postdoctoral fellowships and training programs geared to the study of the relationship of the immune system with age, replacement therapies and other treatment modalities augmenting immune function and clinical trials. Specific areas of support include macromolecular synthesis and regulation of lymphocyte activity, response of the immune system to biochemical stimuli; nutrition immunoendocrinology, immunopathology, immune response to infectious diseases and animal models.

Deadline:
June 1, 1981.

For Further Information, Contact:

NIH - National Institute on Aging

Molecular & Biochemical Aging Program
Dr. Bruce A. Maurer, Acting Chief
(301) 496-9350

(From 1981 ARIS)

NIH—National Institute of Allergy and Infectious Diseases Allergy and Clinical Immunology Branch Immune Mechanisms and Cutaneous Disorders (Immunodermatology)

No. FY81-647

Program:

The NIAID wishes to announce its interest in expanding research in the prevention, diagnosis and treatment of immune-mediated skin diseases, particularly hypersensitivity reactions. Some areas of research include: studies to differentiate allergic skin disorders arising as a result of IgE related mechanisms; atopic dermatitis; urticaria and angioedema; contact hypersensitivity and infection. In order to alert the skin disease program of NIAMDD to the submission of proposals with primary thrust directed to dermatology applicants are asked to communicate with Laurence H. Miller, Director, Skin Disease Program, Extramural Programs, NIAMDD, Westwood Bldg., Room 405, Bethesda, Md. 20205, (301) 496-7326.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute of Allergy and
Infectious Diseases
Allergy and Clinical Immunology Branch
Dr. Robert A. Goldstein, Chief
Westwood Bldg., Room 755
(301) 496-7104

(From 1981 ARIS)

NIH—National Institute of Allergy and Infectious Diseases New Investigator Research Award in Clinical Immunology and Virology

No. FY81-648

Program:

This award collates under a single title, NIRA, elements of all new and young investigator awards given by the various institutes. The NIRA is made to the awardee's parent institution and provides salary support of up to \$25,000 per year plus fringe benefits for periods of up to three years (nonrenewable) to encourage new, inexperienced investigators (including those who have interrupted early promising research careers) in basic or clinical science disciplines to develop their research interests and capabilities in biomedical and behavioral research. The principal investigator must have a doctorate degree or equivalent with no more than five years of research experience. The research areas for each institute and the information contacts are as follows:

- National Institute on Aging (Dr. Don Gibson, (301) 496-5398): Research on biological processes of aging at the cellular, tissue, body system and whole organism level; clinical research on the medical problems and diseases of the aged and the social, cultural, economic and psychological factors affecting both the aging process and the status of older people in society.
- National Institute of Allergy and Infectious Diseases (Dr. William I. Gay, (301) 496-7291): Research with clinical relevance in virology, immunology, mycology and tropical diseases.
- National Institute of Arthritis, Metabolism and Digestive Diseases (Dr. George Brooks, (301) 496-7277): Research in diabetes, endocrinology, metabolism, digestive diseases, liver and pancreatic diseases, nutrition, hematology, renal physiology, renal pathophysiology, urology, chronic renal diseases, arthritis, bone diseases and skin diseases.
- National Cancer Institute (Dr. Thomas J. King, (301) 496-5147): Research in cancer etiology, prevention, detection, diagnosis, treatment, restorative care and cancer biology.
- National Institute of Child Health and Human Development (Dr. Betty Pickett, (301) 496-1848): Research relating to mothers and children, including pregnancy and infancy, developmental biology and nutrition, mental retardation, child and adolescent development and population, including reproduction, fertility-infertility, fertility control, social and behavioral aspects of reproduction and population change.
- National Institute of Dental Research (Dr. George Hausch, (301) 496-7748): Research in cariology, mineralization, craniofacial anomalies, nutrition, dental pain control, periodontal diseases, restorative materials, salivary secretions, soft tissue diseases and selected behavioral studies.
- National Institute of Environmental Health Sciences (Dr. Edward Gardner, (919) 755-4021): Research in the general areas of epidemiology, identification of environmental hazards, test methods for risk assessment, pollutant pharmacokinetics in both the body and the external environment and molecular and cellular mechanisms of damage.
- National Eye Institute (Dr. Ronald Geller, (301) 496-4903): Research related to vision and disorders of the visual system: retinal, choroidal and corneal diseases, cataract, glaucoma, sensory and motor disorders and rehabilitation.
- National Institute of General Medical Sciences (Dr. Elizabeth O'Hern, (301) 496-7001): Research in anesthesiology, trauma and burns. Investigators must have an M.D. degree at the time of the award and must present evidence of prior research experience.
- National Heart, Lung and Blood Institute (Dr. Jerome Green, (301) 496-7416): Research in areas related to heart, vascular, lung and blood diseases and blood resources.
- National Library of Medicine (Dr. Roger Dahlen, (301) 496-4221): Research information science for representation of medical knowledge and its application to the health care system, computer-based systems, new methods of classifying, indexing and abstracting information.
- National Institute of Neurological and Communicative Disorders and Stroke (Dr. John Dalton, (301) 496-9248): Research in basic and clinical neurosciences and in basic and clinical communicative sciences.

- Division of Research Resources (Dr. James O'Donnell, (301) 496-6023): Research in the following technological areas: computer science applications in medicine, biomedical engineering, nmr, esr, electron microscopy or biomedical kinetics. Research in laboratory animal sciences related to etiology, pathogenesis and environmental requirements of laboratory animals and studies on animal models of human disease.

Deadline:
July 1, 1981.

For Further Information, Contact:

NIH - National Institute of Allergy and Infectious Diseases
Allergy and Clinical Immunology Branch
Dr. Robert A. Goldstein, Chief
(301) 496-7104

(From 1981 ARIS)

Lilly Endowment, Inc. Programs for the 1980's

No. FY81-649

PROGRAMS FOR THE 1980's:

1. Curriculum Revision:

The 1980's promise to be a time of institutional soul searching for liberal arts colleges. To facilitate significant changes in curriculum, the Lilly Endowment will make one or two grants in the academic years 1982-1983 and 1983-1984. The maximum award will be for \$200,000 over a two-year period. Proposals received after that date and before Jan. 31, 1983 will be considered for awards beginning in 1983-1984.

2. Curriculum Evaluation and Review:

Colleges occasionally need the benefit of external advice and evaluation. Experience has shown that outside intervention may help institutions break through mediocrity. The endowment will make up to four grants for use in 1982-1983 and again in 1983-1984 by institutions proposing plans for external consultation. The maximum award will be for \$20,000 over a two-year period. Proposals received before Nov. 1, 1981 will be considered for awards in 1982 and after. Proposals received after that date and before November 1982 will be considered for awards in 1983.

3. Interinstitutional Faculty Development Programs:

Faculty development programs which bring together faculty from different institutions often have advantages which single institutional programs cannot have. To encourage new faculty development programs which will link faculty in different Indiana colleges, the endowment will offer up to five awards in the academic year 1982-1983 and an additional five in 1983-1984. The maximum award will be for \$25,000. Deadlines are October 1981; May 1982; October 1982 and May 1983.

4. Indiana Visiting Professorships:

The endowment recognizes the many advantages which a visiting professor, particularly someone from a country other than the U.S., can bring to a campus.

The endowment will make up to five awards beginning with the academic year 1982-1983. The maximum award will be for \$20,000. Proposals received by the endowment by Dec. 1, 1981 will be considered for awards in 1982-1983. Proposals received after that date will be considered for awards in 1983-1984.

5. Support for Major Consultations:

Most institutions of higher education have occasions periodically to consult with persons outside their parietal walls. They know that advice from the "outside expert" may be forced to clarify their conception of the issues in order to present the problem. Proposals may be submitted at any time.

**NIH—General
New Investigator Research Award in Nutrition**

No. FY81-650

Program:

The New Investigator Research Award (NIRA) is made to the awardee's parent institution and provides salary support of up to \$25,000 per year plus fringe benefits for periods of up to three years (nonrenewable) to encourage new, inexperienced investigators (including those who have interrupted early promising research careers) in basic or clinical science disciplines to develop their research interests and capabilities in biomedical and behavioral research. The principal investigator must have a doctorate degree or equivalent with no more than five years of research experience. The research areas in nutrition for each institute and the information contacts are as follows:

- National Institute on Aging (Elizabeth A. McGuire, Ph.D., (301) 496-9350): Effects of aging on nutrient digestion, absorption, and utilization and relationship to nutrient requirements.
- National Institute of Arthritis, Metabolism and Digestive Diseases. (Dr. Gerald F. Combs, (301) 496-7823): Human nutritional requirements for all healthy individuals as well as for various disease conditions.
- National Cancer Institute (Dr. Gerald Liddel, (301) 496-7575): Nutritional biochemistry; nutritional physiology, nutritional microbiology; nutritional immunology; nutritional epidemiology and nutritional endocrinology.
- National Institute of Child Health and Human Development. (Gilman D. Grave, M.D., (301) 496-5575): Nutrition and reproduction; developmental nutrition; infant nutrition; nutritional aspects of gastrointestinal development; obesity and nutritional antecedents of adult disease; nutritional individuality; cultural and behavioral aspects of nutrition and physical growth, body composition and nutritional status.

Deadline:

July 1, 1981.

For Further Information, Contact:

NIH - General
Bethesda, Md. 20205

(From 1981 ARIS)

**NIH—National Cancer Institute
Toxicology and Carcinogenesis Bioassays in
Laboratory Animals**

No. FY81-651

Program:

This RFP is for the purpose of obtaining data which would aid in the meaningful prediction of the toxicity/carcinogenicity potential of chemicals to man. The experimental protocol will involve two major tasks: (1) Prechronic tests; (2) Chronic tests. A master agreement (BOA) is to be used for this award.

Deadline:

June 22, 1981.

For Further Information, Contact:

NIH - National Cancer Institute
Research Contracts Branch, CCS
Blair Bldg., Room 2A01
Bethesda, Md. 20205
Attn: Dave Monk
(301) 427-8774

(From 1981 ARIS)

**National Endowment for the Humanities
Division of Education Programs—
Implementation Grant**

No. FY81-652

Implementation grants support two and four-year colleges and universities wishing to introduce new programs. Funds may be used to develop a specific area of the humanities curriculum, such as a group of related courses or an ordered program of studies or to make comprehensive revisions which affect the humanities curriculum broadly. Extensive revision of an existing program may be eligible for support but basic support for the maintenance of an established program is the responsibility of the institution. A project must focus on the humanities or provide the perspectives of the humanities to other fields such as law, business or medicine.

Deadline:

Submission must be made on or before June 1, 1981.

**National Science Foundation
U.S.—Pakistan Cooperative Science Program**

No. FY81-653

Background and Goals:

The U.S. - Pakistan Cooperative Science Program (USPCSP) has been established to support scientific activities considered to be of significant value to the U.S. and Pakistan. The primary goals of the USPCSP are to:

- support meritorious scientific research
- promote cooperation and understanding between the U.S. and Pakistan through science; and

- encourage the formation of enduring relationships between the U.S. and Pakistani scientists and institutions.

Scope:

Activities supported by the USPCSC may be in any of the technical areas supported by the foundation. They may be divided into four categories:

- cooperative research projects conducted by the U.S. and Pakistani scientists;
- international travel of individual U.S. and Pakistani scientists;
- U.S. guest scientists in Pakistan;
- binational conferences and workshops.

Special consideration is given to proposals which focus U.S. and Pakistani scientific resources on selected problems of national importance to U.S. and/or Pakistan for the purpose of contributing to their timely, practical solution.

Deadlines for Applications

Cooperative Programs - There are no specific deadlines for applications. Proposals are acted upon within six to eight months of receipt by the USPCSP of the proposal sent through appropriate channels.

International Travel - September 1 for travel between January 1 and March 31; December 1 for travel between July 1 and September 30; June 1 for travel between October 1 and December 31.

Guest Scientists - There are no specific deadlines for applications. Proposals are acted upon within six to eight months of receipt by the USPCSP.

International or Binational Conferences and Workshops - There are no specific deadlines for applications. Proposals are acted upon within six to eight months of receipt by the USPCSP.

The Wilson Center Fellowships

No. FY81-654

Organization:

The center seeks to commemorate through its residential fellowship program of advanced research both the scholarly depth and the public concerns of Woodrow Wilson. The center welcomes outstanding project proposals representing a wide diversity of scholarly interests and approaches from individuals throughout the world.

The center's fellowships are awarded in one broadly defined and five more focused programs. History, Culture and Society (the broadly defined program) enables the center to attract superior projects from the entire range of scholarships in the humanities and social sciences. The five other programs have been designed to encourage scholarships either on particular areas of the world or on special topics which the Board of Trustees has chosen to emphasize.

Eligibility:

The fellowship competition in all six programs welcomes applications from any country. Men and women

with outstanding capabilities and experience from a wide variety of backgrounds (such as academia, journalism, government, labor, business and the professions) are eligible for support. For academic participants, eligibility is limited to the post-doctoral level and normally it is expected that academic candidates will have demonstrated their scholarly development by the publication of some major work beyond the Ph.D. dissertation. For participants from other fields, an equivalent degree of professional achievement is expected. The center provides no laboratory facilities, but welcomes applications from scientists, particularly those writing on philosophical or social issues in science and technology.

Deadline:

The center holds one round of competition selection per year. The deadline for receipt of applications and all supporting materials is Oct. 1, 1981. Decisions on appointment will be available by mid-February of the following year. Normally, fellows cannot start their appointments until September of their fellowship year.

current publications and other scholarly works

COLLEGE OF ARTS AND LETTERS

General Program of Liberal Studies

Lyon, John J.

J.J. Lyon. 1981. Cottonwood and marble. The University Bookman Winter:32.

Modern and Classical Languages

Anadon, Jose

J. Anadon. 1980. Barrenechea y Albis, prosista colonial chileno. Revista Chilena De Literatura 15:73-88.

J. Anadon. 1980. Carlos Fuentes on politics, literature and language. Worldview 23(9):5-7.

J. Anadon. 1980. Gabriela Mistral comenta las novelas de Eduardo Barrios. Quaderni Ibero-Americani Torino, Italy. 7(51-52):161-175.

COLLEGE OF SCIENCE

Biology

Bender, Harvey A.

H.A. Bender and A. Robinson. 1980. The national genetic education workgroup. The American Journal of Human Genetics 32(6):98A.

Chemistry

Das, Paritosh K.

*S.N. Ege, E.J. Gess, A. Thomas, P. Umrigar, G.W. Griffin, P.K. Das, A.M. Trozzolo and T.M. Leslie. Pyrazolinone carbonyl ylides: Novel photochemistry of oxiran and diazo-compounds. Journal of the Chemical Society 677:1263-1265.

Fehlner, Thomas P.

K.S. Wong and T.P. Fehlner. 1981. Preparation of $\text{Fe}_3(\mu_2\text{-H})_3(\text{CO})_9(\mu_3\text{-CCH}_3)$ from $\text{Fe}(\text{CO})_5$. Journal of the American Chemical Society 103:966-967.

Kowalski, Conrad J.

C.J. Kowalski and K.W. Fields. 1981. Enone mesylates. Precursors to β -substituted cyclohexenones. Journal of Organic Chemistry 46(1):197-201.

Kozak, John N.

*M.D. Hatlee and J.J. Kozak. 1981. Stochastic flows in integral and fractal dimensions and morphogenesis. Proceedings of the National Academy of Sciences of the U.S.A. 78(2):972-975.

Labinger, Jay A.

D.M. Papsun, J.K. Thomas and J.A. Labinger. Photo reactions of ferrocene with visible light in micellar solution. Journal of Organometallic Chemistry 208:C36-C38.

Leslie, Thomas M.

*S.N. Ege, E.J. Gess, A. Thomas, P. Umrigar, G.W. Griffin, P.K. Das, A.M. Trozzolo and T.M. Leslie. Pyrazolinone carbonyl ylides: Novel photochemistry of oxiran and diazo-compounds. Journal of the Chemical Society 677:1263-1265.

Neta, Pedatsur

*D. Behar and P. Neta. 1981. Intramolecular electron transfer and dehalogenation of anion radicals. 2. Halonitroaromatic compounds. The Journal of Physical Chemistry 85(6):690-693.

Nowak, Thomas

T. Nowak and C. Suelter. 1981. Pyruvate kinase: Activation by and catalytic role of the monovalent and divalent cations. Molecular and Cellular Biochemistry 35:65-75.

Thomas, J. Kerry

D.M. Papsun, J.K. Thomas and J.A. Labinger. Photo-reactions of ferrocene with visible light in micellar solution. Journal of Organometallic Chemistry 208:C36-C38.

Trozzolo, Anthony M.

*S.N. Ege, E.J. Gess, A. Thomas, P. Umrigar, G.W. Griffin, P.K. Das, A.M. Trozzolo and T.M. Leslie. Pyrazolinone carbonyl ylides: Novel photochemistry of oxiran and diazo-compounds. Journal of the Chemical Society 677:1263-1265.

Wong, Kwai Sam

K.S. Wong and T.P. Fehlner. 1981. Preparation of $\text{Fe}_3(\mu_2\text{-H})_3(\text{CO})_9(\mu_3\text{-CCH}_3)$ from $\text{Fe}(\text{CO})_5$. Journal of the American Chemical Society 103:966-967.

*Under the Radiation Laboratory

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Lee, Lawrence H.N.

D.H.Y. Ng and L.H.N. Lee. 1981. On verification of a theory in dislocation plasticity. Physica Status Solidi 63A:63-74.

Slepicka, Kenneth L.

K.L. Slepicka and G.A. Spohrer. 1981. Simulation as an operations management technique for the banking industry. Pages 350-351 in, S. Barone and V.M.R. Tummala, eds., Proceedings of Midwest AIDS Annual Meeting, Detroit, Michigan.

COLLEGE OF BUSINESS ADMINISTRATION

Accountancy

Morris, Michael H.

M.H. Morris and B. McDonald. 1981. An analysis of the difference in the disclosure requirements of SFAS No. 33. The Proceedings of the Midwest Regional Meeting of The American Accounting Association Pages 199-228.

Rueschhoff, Norlin G.

N.G. Rueschhoff. 1981. AAA's international accounting section promotes education research. The Indiana CPA March:3.

Finance and Business Economics

Keating, Barry P.

B.P. Keating and M.O. Keating. 1981. Goal setting and efficiency in social service agencies. Long Range Planning 14(1):40-48.

B.P. Keating and M.O. Keating. 1980. Industry standards and consumer welfare. The Journal of Consumer Affairs 14(2):471-482.

McDonald, Bill

M.H. Morris and B. McDonald. 1981. An analysis of the difference in the disclosure requirements of SFAS No. 33. The Proceedings of the Midwest Regional Meeting of the American Accounting Association Pages 199-228.

Management

Vecchio, Robert P.

R.P. Vecchio. 1981. Correlates of preference for unionization. Proceedings of the Southeast Regional Meeting of the American Institute for Decision Sciences Pages 252-254.

MEDIEVAL STUDIES

McInerny, Ralph

R. McInerny. 1981. The case of Aristotle: A contemporary response. Pages 32-35 in, R.A. Evans, ed. Introduction to Philosophy. A Case Study Approach. Harper & Row, San Francisco, California.

RADIATION LABORATORY

Helman, W. Phillip

A.B. Ross and W.P. Helman. 1981. Bibliographies on radiation chemistry: II. Studies of the chemistry of semiquinones. Radiation Physics and Chemistry 17:127-140.

Ross, Alberta B.

A.B. Ross and W.P. Helman. 1981. Bibliographies on radiation chemistry: II. Studies of the chemistry of semiquinones. Radiation Physics and Chemistry 17:127-140.

MEMORIAL LIBRARY

Masin, Anton C.

A.C. Masin. 1981. The Private Press Movement-- Its Origins and Influence on Printing and Book Design. Special exhibit to the South Bend Antiques Club, Rare Books and Special Collections Department, University of Notre Dame, Notre Dame, Indiana.

awards received

IN THE MONTH OF APRIL, 1981

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Advanced Studies	Gordon	Biomedical research support grant, 1981-82	Natl. Inst. Health	94,144 12
Chemical Eng.	Ivory	Internal staging of the continuous flow electrophoresis device	Natl. Sci. Fdn.	48,000 24
Civil Eng.	Jennings	Improved physical description of saltwater intrusion problem	Natl. Sci. Fdn.	47,996 24
Chemical Eng.	Strieder	Transport in heterogeneous and porous media-thermal conduction	Natl. Sci. Fdn.	40,633 12
Metallurgical Eng.	Kuczynski, Allen	Study of pore shrinkage and Ostwald ripening in metallic systems	Dept. Energy	53,000 12
Chemistry	Castellino	Structure-function studies of plasminogen and plasmin	Natl. Inst. Health	94,061 12
Microbiology - Lobund Lab.	Pollard	Development and maintenance of germfree animal colonies	Natl. Inst. Health	176,922 12
Chemical Eng.	Varma, Carberry, Kuczynski	Catalytic reactor design engineering	Ford Motor Co.	115,000 12
Center Study Man	Kerrigan, Leege	Selected works of Ortega y Gasset	Natl. Endow. Human.	10,000 12
Medieval Institute	McInerny	Mary M. Davis Collection of Italian Renaissance Art	Samuel H. Kress Fdn.	50,000 12
Microbiology - Lobund Lab.	Pollard	Intestinal carcinogenesis in conven- tional and germfree rats	Natl. Inst. Health	87,297 12
Physics	Tomasch	Electronic Tunneling from metals (quasiparticle interference)	Natl. Sci. Fdn.	39,000 18
College Arts Letters	Burns, McInerny	Catalogue and access system for Ambrosiana Collection	Natl. Endow. Human.	39,350 6
Aerospace Mech. Eng.	Yang, Lloyd, Kanury	Computer modeling of aircraft cabin fire phenomena	Dept. Commerce	30,690 4.5

AWARDS FOR SERVICE PROGRAMS

Biology Vector Biology Lab.	Craig	St. Joseph County Mosquito Surveillance and Control Program	St. Jos. Cnty. Health Dept.	30,000 8
Cent. Past. Soc. Min.	Melloh	Center for Pastoral Liturgy	- - -	1,015 --
Cent. Past. Soc. Min.	Melloh	Center for Pastoral Liturgy Workshops	- - -	5,190 --
Cent. Past. Soc. Min.	Pelton	Institute for Clergy Education	- - -	15,328 --
Cent. Past. Soc. Min.	McNeill	Center for Experiential Learning	- - -	3,280 --

proposals submitted

IN THE MONTH OF APRIL, 1981

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Electrical Eng.	Sain	Total synthesis algorithms for multi- variable control systems	U.S. Navy	21,994 4
Biology	Rai, Pashley	Genetic relationships among mosquitoes of <i>Aedes (Stegomyia) scutellaris</i>	Natl. Sci. Fdn.	261,012 36
Aerospace Mech. Eng.	Huang	Stress analysis of textured yarns	Natl. Sci. Fdn.	124,635 24
Physics	Darden	Study of nuclei using polarized beams	Natl. Sci. Fdn.	12,090 24
Chemistry	Miller	Synthesis of beta-lactams from hydroxamic acids	Natl. Inst. Health	56,345 12

Department or Office	Principal	Short title	Sponsor	Dollars Months
Microbiology	Neta, Pollard	Role of lymphokines (Type II Inter- feron) in tumor rejection	Natl. Inst. Health	- - - ^a 12
Chemistry	Bretthauer, Miller	Camille and Henry Dreyfus Teacher - Scholar Grant	Camille & Henry Dreyfus Fdtn., Inc.	28,000 60
Earth Sciences	Winkler	Stone decay and stone preservation with photographic methods	Eastman-Kodak Co.	31,918 24
Biology	Duman	Hemolymph proteins in larvae of beetle, <i>Dendroides canadensis</i>	Natl. Sci. Fdtn.	78,473 24
Radiation Lab.	Huo, Schuler	Intensities of transitions relevant to photodiagnosics of combustion	Ames Research Center	183,546 36
Microbiology - Lobund Lab.	Asano	Physiological aspects of senescence in germfree animals	Natl. Inst. Health	62,807 12
Microbiology - Lobund Lab.	Pollard	Development and maintenance of germfree animal colonies	Natl. Inst. Health	246,873 12
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Physics	Kenney	Video terminals and microprocessor kits	Digital Equip- ment Corp.	- - - --
Electrical Eng.	Liu	Purchase of computer terminal and related equipment	U.S. Navy	15,135 12
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Preprofessional Studies	Walter	Study of medical school applicants (1950-1980)	Robert Wood Johnson Fdtn.	59,019 24
Institute for Urban Studies	Smith	Summer Youth Employment Program (SYEP)	Michiana Area CETA Consort.	55,958 3
Institute for Urban Studies	Broden	Youth Advocacy Program Development	Dept. Justice	606,203 18
College Eng.	Marley	Women and minorities in engineering	Corning Glass Works Fdtn.	7,990 9
College Bus. Admin.	Raymond	MBA affirmative action financial assistance	Corning Glass Works Fdtn.	7,990 12
PROPOSALS FOR SERVICE PROGRAMS				
Upward Bound	King, Smith	Food and Nutrition Program	Ind. Dept. Public Instruc.	13,282 1.5

^aTo be determined by NIH

summary of awards received and proposals submitted

IN THE MONTH OF APRIL, 1981

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	\$ 770,097	4	\$ 155,996	14	\$ 926,093
Facilities and Equipment	--	--	--	--	--	--
Educational Programs	--	--	--	--	--	--
Service Programs	1	30,000	4	24,813	5	54,813
Total	11	800,097	8	180,809	19	980,906

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	\$ 400,109	6	\$ 707,584	12	\$ 1,107,693
Facilities and Equipment	1	15,135	1	--	2	15,135
Educational Programs	3	622,183	2	114,977	5	737,160
Service Programs	--	--	1	13,282	1	13,282
Total	10	1,037,427	10	835,843	20	1,873,270

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