

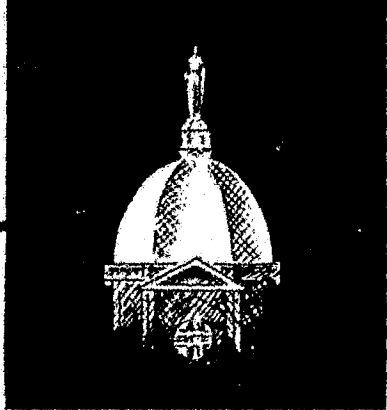
Area Code 219  
Phone 283-7367

**DEPARTMENT of INFORMATION SERVICES****Richard W. Conklin, Director****Assistant Directors of Public Information:****Mrs. Jean Horiszny****From: Mrs. Horiszny****December 1, 1970 J. Kane**

For Immediate Release:

A new and separate "telephone" network exclusively for computers will be discussed at 3:30 p.m. Friday (Dec. 4) in Room 303 of the University of Notre Dame's Engineering Hall.

Dr. Robert W. Lucky, head of the Advanced Data Communication Department of Bell Telephone Laboratories, will speak on "Computer Communications on Telephone Facilities." The seminar, sponsored by the department of electrical engineering, is open to the public.

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## DEPARTMENT of INFORMATION SERVICES

Richard W. Conklin, Director

Assistant Directors of Public Information:

Mrs. Jean Horiszny

From: Mrs. Horiszny

December 2, 1970 Jay J. Kane

For Immediate Release:

The researchers who deciphered the molecular shape of DNA received a Nobel Prize, partly because their task was so difficult and complex and partly because the double-helix structure of DNA revealed so much about the mechanisms of heredity.

Dr. Ernest Eliel, professor of chemistry at the University of Notre Dame, points out that the functions of many other molecules, including enzymes hormones and plastics, depend on their molecular shapes -- and in many cases the exact shapes are extremely hard to unravel by experimental techniques. However, he added, the structures could be calculated if the rules governing the thousands of interactions among elements within each compound were known.

Eliel recently received \$50,000 from the National Science Foundation to study the rules governing the shape, or "conformation" of a class of compounds related to sugars. Sugars, besides being important as nutrients and cell components, are attached to many biologically-important compounds, Eliel explained, apparantly to help them dissolve in water. DNA and digitalis are two important molecoles with large sugar components.

In recent experiments, Eliel and his assistants examined several possible structures for some simple sugar analogs, and carefully determined which forms are most stable. They then carried out quantitative experiments to learn how much more stable one form is than another. This numerical information is important for any future calculations of shape Eliel explained, as the scientist must know which interactions among thousands take precedence

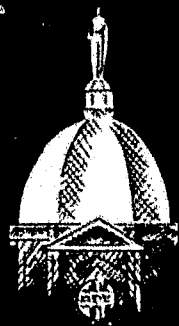
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Eliel grant...2

and which ones can be modified by other, more powerful interactions.

The stability of various sugar analogs depends on the liquid in which it is dissolved. Eliel and his assistants also derived detailed information on the relationship of stability to the type of solvent.

A noted chemist in the area of conformational analysis, Eliel will teach a course on the subject in Guadalajara, Mexico in December and again in Mexico City in March. He will be lecturing in London, Boston, Paris and Cologne in the next few months, and is the coauthor of the basic textbook on conformational analysis.

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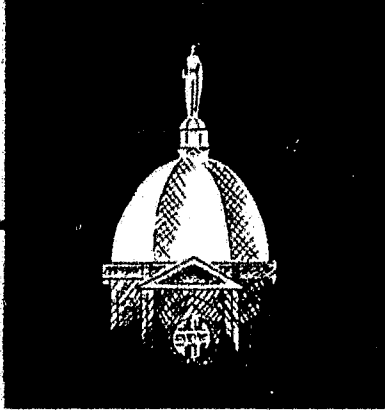
From: Mrs. Horiszny

December 2, 1970

For Immediate Release:

A French author and expert in Jewish-Christian relations will speak on "Has the Christian Church any Responsibility in the Present Middle East Crisis?" at 8 p.m. Monday (Dec. 7) in the University of Notre Dame's Memorial Library Auditorium.

Madame Claire Huchet Bishop, the author of "All Things Common" and "Yeshu, Called Jesus," is a visiting professor at Tufts University and a Danforth Foundation lecturer. Her appearance is sponsored by the Notre Dame-Saint Mary's College Academic Commission.



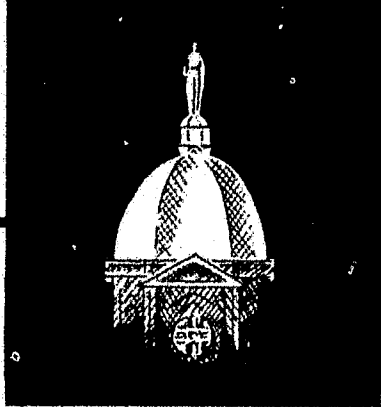
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**DEPARTMENT of INFORMATION SERVICES****Richard W. Conklin, Director****Assistant Directors of Public Information:****Mrs. Jean Horiszny  
Jay J. Kane****From: Mrs. Horiszny****December 2, 1970**

For Immediate Release

Jesse Unruh, speaker of the California house of representatives and a recently unsuccessful candidate for governor of that state, will speak at 8 p.m. Tuesday (Dec. 8) in the University of Notre Dame's Memorial Library Auditorium.

The southern California manager of John F. Kennedy's 1960 campaign for president, Unruh was 1962 Chubb Fellowship Lecturer at Yale University. His appearance is sponsored by the Notre Dame Saint Mary's College Academic Commission.

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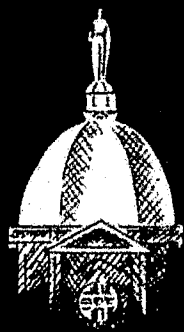
December 2, 1970  
Jay J. Kane

For Immediate Release

Notre Dame, Ind. -- Dr Salvatore J. Bella, chairman of the department of management in Notre Dame's College of Business Administration, will conduct a community and human relations seminar Friday (Dec. 4) for the Police Command School, Ann Arbor, Michigan.

Officers with the rank of lieutenant or higher will attend the comprehensive course which includes a discussion of minority groups, student unrest and the crisis in our urban areas. Bella has conducted similar seminars in other cities, including South Bend.

Jesse Jones professor of management at Notre Dame, Bella conducts a course on social, economic and political forces in the graduate division of the College of Business Administration.

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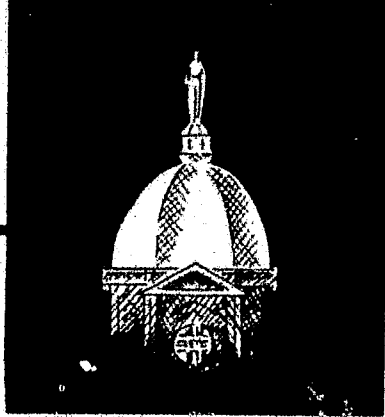
December 2, 1970 Jay J. Kane

For Immediate Release

Donald Vogl, assistant professor of art at the University of Notre Dame, is the recipient of two prizes awarded recently at area exhibitions.

He is the winner of first prize for a watercolor entered in the third annual Michiana Art Faculty Exhibition at Nazareth College, Kalamazoo, Mich., and third prize for a painting at the sixth Regional Art Competition of the Niles, Mich., Art Center.

Vogl completed undergraduate work at the University of Chicago and the Art Institute and did graduate work at the University of Wisconsin. He has been a member of the Notre Dame faculty since 1963.

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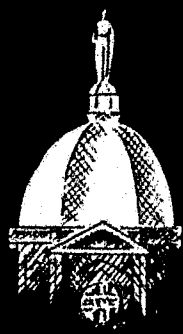
Notre Dame, Ind. -- Allen Wardwell, an executive of the Chicago Art Institute, has accepted appointment to the advisory council of the Notre Dame Art Gallery, it was announced today by the Rev. Theodore M. Hesburgh, C.S.C., president of the University.

Wardwell serves as curator of the primitive art department and assistant director for museum services at the Chicago Art Institute.

A native of New York, he received his undergraduate education at Yale University and his graduate degree at the Institute of Fine Arts, New York University. He is a trustee of the Yale University Art Gallery Associates and a director of the Renaissance Society, University of Chicago.

Members of the Notre Dame advisory council meet periodically on campus to consult with the Rev. Anthony Lauck, C.S.C., director of the Gallery.



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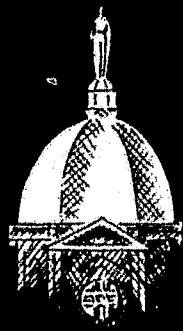
December 4, 1970

For Immediate Release

Dr. Bernard Waldman, dean of the College of Science at the University of Notre Dame, has been named a member of Indiana Governor Edgar Whitcomb's Commission on Medical Education.

The Commission, composed of educators, physicians and citizens, is responsible for designing and promoting a new scheme of medical education to increase the number of doctors graduated in Indiana without overburdening the University of Indiana School of Medicine at Bloomington. The plan calls for establishing seven centers in Indiana which would offer the first and fourth years of medical education, with the second and third years offered to all students at the I.U. School of Medicine.

One of the centers would include South Bend, with the University of Notre Dame offering facilities and classes for first and fourth year medical students. The program in this area is coordinated by Dr. Thomas Troeger, M.D., director of the South Bend Center for Medical Education.

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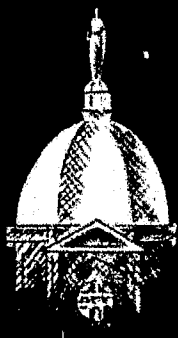
From: Mrs. Horiszny

December 4, 1970 Jay J. Kane

For Immediate Release:

One of the world's leading geneticists will describe the latest advances in the field of genetics at 4:30 p.m. Tuesday (Dec. 8) in Room 109 of the University of Notre Dame's Biology Building.

Dr. Robert C. King, professor of biology at Northwestern University, will speak on "Recent Advances in our Understanding of Chromosomal Synapsis and Crossing Over." His talk, sponsored by the department of biology, is open to the public.

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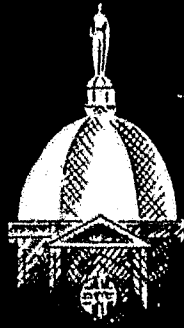
From: Mrs. Horiszny

Dec. 7, 1970

For Immediate Release:

Poet Morton Marcus will present a reading of his verse at 4 p.m. Friday (Dec. 11) in the University of Notre Dame's Memorial Library Auditorium.

Marcus, the author of "Where the Oceans Cover Us: Poems 1960-1970" and "Three Straight Lines," is an English instructor at Cabrillo College in Aptos, Calif. His appearance is sponsored by the Notre Dame-Saint Mary's College Academic Commission.

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December 7, 1970

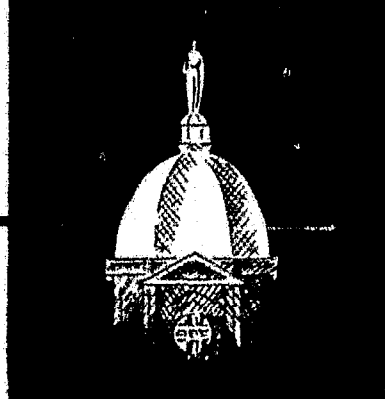
For Immediate Release:

A University of Notre Dame professor was ranked 26th in a listing of the world's 50 scientists most cited by other researchers. Dr. Ernest Eliel, professor of chemistry, was cited among such noted scientists as Dr. Linus Pauling and Dr. Sigmund Freud, as well as two researchers who later won Nobel Prizes for their work, Dr. Murray Gellmann and Dr. Derek Barton.

The Science Citation Index (SCI), originally devised as an information retrieval tool useful in library work and scientific research, has recently been proposed by an article in "Current Contents" as a means of identifying outstanding scientists. The article explains that the 1967 listing included two future Nobel Prize winners, a major accomplishment for a grouping of 50 scientists selected from the world's million researchers.

Eliel himself believes the system has serious weaknesses, as it recognizes scientists in "fashionable" areas of research over those in less-populated but perhaps equally valuable fields. Also, the clear writer who authors textbooks and reviews is favored over the equally adept scientist who writes less clearly or less generally.

The SCI is of major value in tracing a particular concept through the scientific literature, learning how scientific discoveries relate to earlier ideas, and compiling lists of papers by a particular author or on a particular subject.

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December 8, 1970Mrs. Jean Horiszny  
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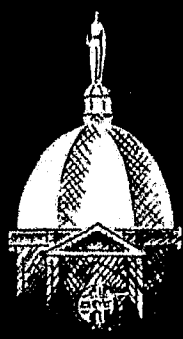
Dr. Walter Hausermann, assistant faculty fellow in the Vector Biology Laboratory at the University of Notre Dame, will be one of the first scientists to pursue research at the new International Centre for Insect Physiology and Ecology in Nairobi, Kenya beginning in January, 1971.

The new Center, opened last spring, is a cooperative laboratory run by a consortium of national academies of science, including east Africa, Germany, Britain, Czechoslovakia, Sweden, Switzerland and the United States. It is one of the few basic research laboratories established on the African continent, and is dedicated to identifying weak spots in the life-style of insects.

Dr. George B. Craig, director of the Vector Biology Laboratory, is one of 12 research directors planning programs for the new Center. The Nairobi laboratory will study biological means of controlling the numerous insects which transmit disease and damage crops in Africa.

Hausermann will study several populations of the yellow fever mosquito in the Nairobi area to prepare for further studies on genetic control of mosquitoes. Different populations of the same mosquito strain can exhibit widely different habits, he explained. For instance, one population of *Aedes aegypti* breeds and lives indoors, while another prefers the nearby forests. Hausermann pointed out that different methods of control may be needed for each population.

Hausermann's research in Nairobi is sponsored by the John Muir Institute for Environmental Studies, Palo Alto, Calif. A native of Switzerland, Hausermann worked with the Swiss Tropical Institute in Africa studying the black fly which carries river blindness, a debilitating disease common in East and West Africa.

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December 8, 1970

For Immediate Release:

Notre Dame, Ind. -- Ballots for the election of five directors of the 47,000-member Alumni Association of the University of Notre Dame are presently being distributed. The successful nominees will begin three-year terms at the winter meeting, Feb. 4-6, 1971.

A three-year transition of Notre Dame Alumni Board election procedures is completed with the current balloting. The five candidates, to be elected from a slate of 10, will bring to 15 the number of members serving on the board and provide full geographic representation for each of the 15 regions in the U.S. for the first time.

Candidates from Region 1, including Washington, Oregon, Northern California and Nevada, are Charles F. Osborn '38, senior partner in a Seattle law firm, and William H. Sherman '49, golf course consultant, broker and president of a development firm bearing his name in San Rafael, Cal.

Region 6 candidates, representing Illinois, include Joseph G. Bertrand '54, president of the Highland, Ill., Community Bank, and B.J. "Jerry" Hank, Jr. '51, chairman of the board of Montgomery Elevator Co., Moline.

Candidates in Region 8, Indiana and Kentucky, are William K. McGowan, Jr. '57, vice president of the American Fletcher National Bank, Indianapolis, and James L. Meagher '44, president of the Louisville manufacturing firm of Stratton & Terstegge.

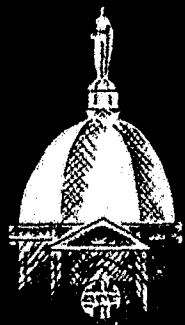
James C. Britt '53, vice president for finance of the L.M. Berry Co.,

-more-

alumni association ...2

Dayton, Ohio, and Peter F. Flaherty '51, mayor of Pittsburgh, Pa., are candidates in Region 9, representing Ohio and Western Pennsylvania. Region 13 nominees include Paul J. Doyle '36, vice president of the Houston, Tex. investment firm of Rede Company, and Robert S. Williams '59, senior vice president of the first National Bank of Dallas. The region includes Oklahoma and Texas.



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December 8, 1970

For Immediate Release:

Notre Dame, Ind. -- A noted authority on the impact of new scientific developments on individual liberties, David Louisell, will deliver the 1970 lecture of the Natural Law Institute at the University of Notre Dame. The address, which is open to the public, is scheduled for 4 p.m. Wednesday (Dec. 16) in the auditorium of the Center for Continuing Education.

Louisell, who is a professor of law at the University of California, Berkeley, will discuss "Biology, Law and Reason: Man as Self-Creator." Recounting the actualities and potential of modern biology, he will discuss whether these developments promise fulfillment or debasement for man.

Louisell will also discuss the role of law as a predictive device in several areas of recent scientific development. These areas include sterilization, artificial insemination, abortion, organ transplantation and the definition of death. The difficulty of dealing with these problems in a framework originally developed for such things as blood transfusions will be explained in the lecture.

Finally, the Louisell talk will explore the role of biology in a democratic society and pose the question whether the use of biological developments can be left to the decisions of technicians.

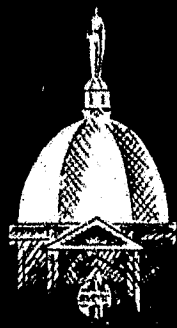
The Natural Law Institute was established at Notre Dame Law School in 1947 for the exploration of fundamental questions of right and justice. Since 1956 the institute has published a journal, now known as the



Louisell...2

the American Journal of Jurisprudence, the only publication of its kind in the English language.

The Journal is directed toward scholarly and intelligible investigations of the philosophy of law and its principles and applications to contemporary problems.



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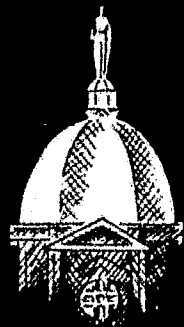
From: Mrs. Horiszny

December 8, 1970

For Immediate Release.

Arranging wires to transmit radio and TV waves in the desired directions will be discussed at 3:30 p.m. Friday (Dec. 11) in Room 303 of the University of Notre Dame's Engineering Hall.

Dr. Bradley J. Strait, associate professor of electrical engineering at Syracuse University, will speak on "Numerical Calculations of Radiation and Scattering." His talk will explain a method for handling analysis and design problems involving radiation and scattering by arbitrary configurations of bent wires. The public is invited to attend the lecture, sponsored by the department of electrical engineering.

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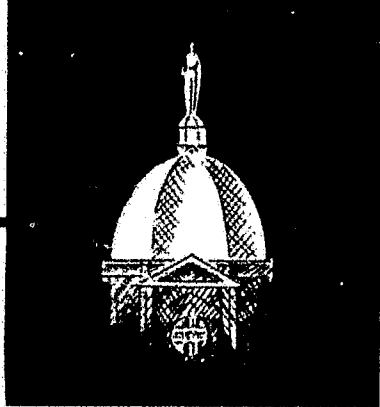
Notre Dame, Ind. -- Robert A. Erkins, president of Thousand Springs Trout Farms, Inc., Buhl, Idaho, has been elected president of the University of Notre Dame Alumni Association. A 1945 graduate with degrees in business administration and naval science, he has served two years as a director of the 47,000-member alumni group. He succeeds Donald F. O'Brien, a Houston, Texas, advertising executive, and will serve on an ex-officio basis as a University Trustee during his term as president.

Erkins, who was named as one of 10 leading young business executives in America in 1964, presently heads the largest trout-farming operations in the world. He and his wife, Bernadine, who has a degree in zoology, oversee the operation of four trout farms in southern Idaho, a processing plant and a feed manufacturing plant.

Erkins is former president and chairman of the board of the National Fisheries Institute, America's oldest business organization, established in 1794. He was also instrumental in founding the U.S. Trout Farmers Association.

The new alumni president has been active in several civic organizations and is a member at large of the National Council of Boy Scouts of America. Accounts of his fishing operations have appeared in Reader's Digest, Saturday Evening Post and many trade publications.

The Erkins are the parents of 10 children, three boys and seven girls.

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Assistant Directors of Public Information:  
December 11, 1970Mrs. Jean Horiszny  
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From: Conklin

For Immediate Release.

Notre Dame, Inc.--The University of Notre Dame has discontinued its department of computer science, effective May 31, 1971.

The Academic Council, a 65-member academic policy-making body, composed of faculty, administrators and students, cited the dwindling service function of the two-year-old department and the increased capability of the University's four colleges to handle such computer training as is necessary for their students through other departmental offerings.

The 37 students now majoring in computer science will be taken care of through computer-related courses now taught in other departments. The computing science department had six professors.

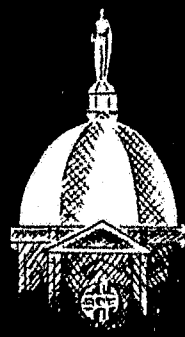
In another action, the Council discontinued the institute status of the Computing Center, which houses Notre Dame's computer. Institute status is reserved for "major organizations not with a college and devoted to advanced academic study, teaching and research." Notre Dame officials emphasized that the Center will continue to provide services for faculty and administration and that a new computer had been ordered by the University.

The Council also:

--Added two graduate students as full members of the Graduate Council.

--Named the associate dean of the Graduate School and the director of the Summer Session to the Graduate Council.

--Approved a new graduate degree, master of science in environmental engineering, to recognize completion of an existing program of studies for which an M.S. in civil engineering has been awarded.

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Richard W. Conklin, Director

Assistant Directors of Public Information:

Mrs. Jean Horiszny  
Jay J. Kane

From: Mrs Horiszny

December 14, 1970

For Immediate Release:

The department of mathematics at the University of Notre Dame will begin an experimental, comprehensive program aimed at improving mathematics teaching in the area this summer. The program will be funded under a \$271,125 grant from the National Science Foundation (NSF).

The NSF awarded such grants to five institutions in the country with a history of successful science-teacher training institutes. The department of mathematics has conducted NSF-sponsored institutes since 1957. The new effort will be directed by Drs. Abraham Goetz and Mario Borelli, associate professors of mathematics, with the cooperation of Saint Mary's College.

The two major goals of the program are to help area junior and senior high school teachers earn master's of science degrees in mathematics and help secondary teachers set up workshops for teachers of elementary mathematics to further improve math education on the primary level. Teachers for the workshop program will be designated by the South Bend School Corporation.

The newest facet of the program, according to Goetz and Borelli, is an option allowing area teachers to study part-time during the academic year. Realizing that teaching a full load of courses while studying on the graduate level can be taxing, Notre Dame will offer course flexibility and a variety of services to program applicants.

First, the department will offer some math courses at 4:30 p.m.,

math grant...2

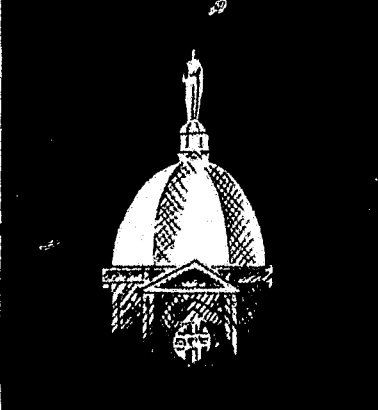
open free of tuition to secondary math teachers. Those who do not feel ready to enter into a master's program may take preparatory courses, which also carry graduate credit and include material necessary for advanced study.

Second, teachers in cooperating school districts may take an additional course during the day, Goetz and Borelli said. Their districts can release them from part of their teaching duties, while interns are provided to the districts free of charge to replace the absent teachers. The interns are undergraduate and graduate students planning to become mathematics teachers.

School districts which have agreed to cooperate in this program are the Mishawaka School Corporation, the Penn-Harris-Madison School Corporation, the North Liberty-Lakeville School Corporation and the Polk-Johnson School Corporation, Goetz and Borelli said.

To aid teachers who are seeking to improve themselves through the program, the department can also arrange to provide help in grading papers. As a service to the school districts, members of the mathematics faculty will be available at no fee to consult with junior and senior high schools on any subject related to math or math education.

Goetz and Borelli explained that teachers will also be able to pursue the M.S. during summer institutes or in a full, one-year program. The latter two programs include a stipend for secondary school teachers. However, they added, teachers applying for the part-time academic year program need not compete for the limited stipend funds, and thus receive an added advantage in gaining acceptance to the program. In all three cases, the tuition requirements are waived.

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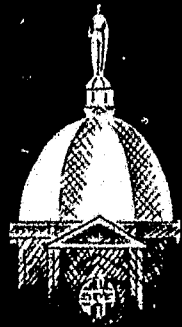
Assistant Directors of Public Information: <sup>December 15, 1976</sup>Mrs. Jean Horiszny  
Jay J. KaneFor Immediate Release.

The Rev. James T. Burtchaell, C.S.C., provost of the University of Notre Dame, has been elected a fellow of the Society for Religion in Higher Education.

The Society was formed in 1962 by uniting into one organization the Danforth teaching fellows and the fellows of the National Council on Religion in Higher Education and exists for the purpose of critically examining the relation of religious values to higher education.

Father Burtchaell, a specialist in biblical theology and former chairman of the department of theology at Notre Dame, is also president of the American Academy of Religion, the largest professional organization in the field of religion.



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December 16, 1970

For Immediate Release.

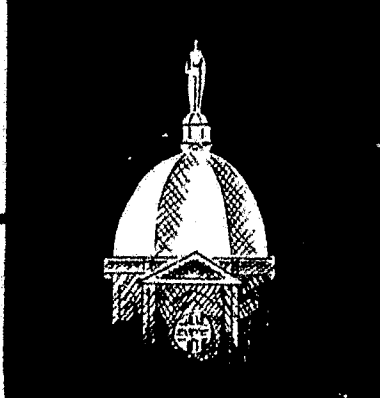
Notre Dame, Ind. -- The University of Notre Dame has been designated as a test center for administering the National Teacher Examinations (NTE) on January 30, 1971, it has been announced by Dr. Robert E. Glennen, associate professor of education.

University seniors preparing to teach and teachers applying for positions in school systems requiring applicants to submit NTE scores are eligible to take the test. More than 105,000 candidates took the one-day examinations last year.

The designation of Notre Dame as a test center provides prospective teachers in this area an opportunity to compare their performance on the examinations with other candidates throughout the country. Candidates may take the common examinations, which include tests in professional education and general education, and one of the 24 area examinations which are designed to evaluate his understanding of the subject matter and methods applicable to the area he may be assigned to teach.

Bulletins of information describing registration procedures and containing registration forms may be obtained from Dr. Glennen or by writing National Teacher Examinations, Educational Testing Service, Box 911, Princeton, N.J. 08540.



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## DEPARTMENT of INFORMATION SERVICES

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Jay J. Kane

## MEMO TO PRESS:

A December 11 story by The Associated Press, based on errors in a report written for The South Bend Tribune, attributed to Notre Dame's president, the Rev. Theodore M. Hesburgh, C.S.C., the statement that the University's 1970-71 operating deficit would be "between 2 and 3 million dollars."

The correct figures are as follows:

1968-1969--Operating Cash Deficit--\$937,000

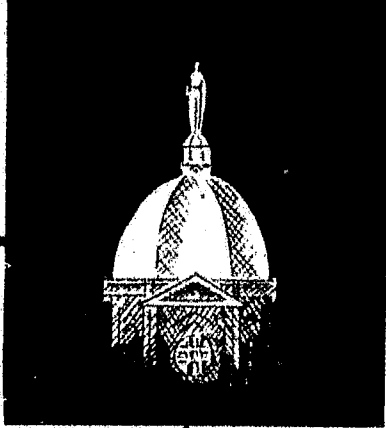
1969-1970--Operating Cash Deficit--\$596,000

1970-1971--Anticipated Cash Deficit--\$70,000

This turnaround was accomplished by general belt-tightening by all University departments and a new budgetary system which has proved more effective in controlling expenses. While the University shares in the financial crisis affecting all major private universities in the nation, it is in better shape than many.

The erroneous figures were juxtaposed with other comments of Father Hesburgh about Notre Dame receiving some fallout from criticism directed at changes in the Catholic Church itself. While this is true, the alumni, parents, and friends of Notre Dame have been remarkably loyal in their support of the institution. The University is just shy of completing its most ambitious development program of \$52 million, two years ahead of its five-year schedule. Thus far, there have been 26,327 gifts totaling \$51,009,830 given to this program. During the last three years, there have been only slightly more than 100 cancellations of commitments totaling \$98,000.

Richard W. Conklin



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## DEPARTMENT of INFORMATION SERVICES

Richard W. Conklin, Director

December 18, 1970

Assistant Directors of Public Information:

Mrs. Jean Horiszny

Jay J. Kane

For Immediate Release.

Notre Dame, Ind. -- Despite renewal on many fronts, the Catholic Church still treats women as "God's forgotten children" according to a well-known University of Notre Dame theologian.

The Rev. John A. O'Brien, research professor of theology, writing in the current issue of U. S. Catholic/Jubilee magazine, notes that women are "relegated to obscurity, denied their rightful place in the church's worship and administration, and treated as inferior to men. They are scarcely recognized as persons."

In detailing the position of women within the Church, Father O'Brien notes that:

--Despite advances in equality of treatment under civil law, women were denied a voice in the most important Church decisions in the Twentieth Century made at the Second Vatican Council.

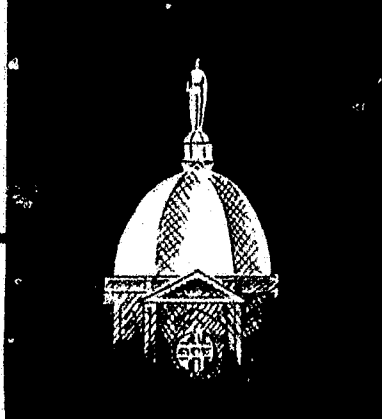
--Although women furnish more than twice as many religious vocations as men, they are under the jurisdiction of an all-male Congregation on Religious in Rome.

--Women are barred from participating the Church's liturgy to the extent that both men and boys are.

--The number of women on diocesan and pastoral councils is "pitifully inadequate."

--Women are banned from the Catholic priesthood.

"The Church," observes Father O'Brien, "lags far behind the United Nations charter for universal human rights . . . in its discrimination against women, and the time has come for it to catch up."

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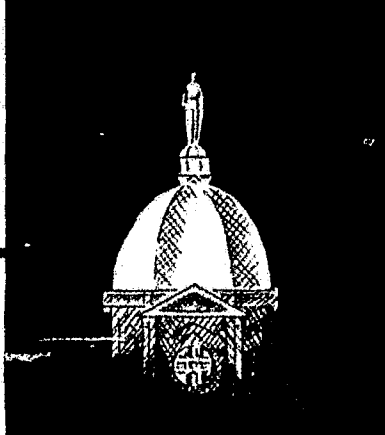
For Immediate Release.

Notre Dame, Ind. -- A pledge made by Father Edward F. Sorin when he founded the University of Notre Dame was honored this Christmas season, the same as it has been for 129 years.

As the legend goes, the young Holy Cross priest was reported to have told a group of Potawatomi Indians, "Because we are using your hunting land for our school, I promise that your people will not go hungry."

That word has passed from generation to generation, and, while no records are maintained in this particular area of university philanthropy, the tradition of food gifts to the descendants of the original tribe is believed to be a continuous holiday event. Jerome J. Sechowski, university purchasing agent and unofficial Indian Agent, says it has been an annual practice during his 40 years at Notre Dame.

Entire Potawatomi families, now living in the areas of Benton Harbor, Dowagiac and Hartford, Mich., visit Notre Dame today to receive their boxes of food. The numbers rise and fall with the unemployment rate because so many are involved in seasonal jobs.

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From: Mrs. Horiszny

December 18, 1970

For Immediate Release:

Awards totaling \$749,921 have been accepted by the University of Notre Dame for the month of November to support research, new equipment and educational programs, according to Dr. Frederick D. Rossini, vice president for research and sponsored programs.

The largest research grant, \$85,000 from the U.S. Atomic Energy Commission, went to support theoretical physics investigations headed by Dr. Charles J. Mullin, professor of physics. The group of 11 physicists is developing theories of atomic structure, nuclear makeup, elementary particles and solid state physics.

Dr. Ernest L. Eliel, professor of chemistry, received \$50,000 from the National Science Foundation (NSF) to study "Conformational Analysis in Heterocyclic Systems." He is studying the rules that determine the shapes of important sugars.

Awards for research totaled \$249,127 and included:

-- \$68,075 from the NSF to support science at Notre Dame to be administered through the office of research and sponsored programs.

-- \$8,600 from the Research Corp. for a study of "Molecular Beam Investigation-Scattering of  $\text{Ar}^*(3P_2)$  by  $\text{HBr}$ " by Dr. Daniel Winicur, assistant professor of chemistry.

-- \$8,500 from the Cancer Society of St. Joseph County for "Electron Microscopy Studies" by Dr. Morris Pollard, director of the Lobund Laboratory.

--\$6,000 from the U.S. Navy for a study of "Aerodynamically Designed

-more-

November grants...2

Centrifugal Force Mechanism" by Dr. John D. Nicolaides, professor of aerospace and mechanical engineering and Dr. Charles W. Ingram, assistant professor of aerospace and mechanical engineering.

-- \$6,000 from the U.S. Air Force for a study of "Embrittlement of Nickel Base Alloy Weldments" by Dr. Nicholas F. Fiore, associate professor of metallurgical engineering and materials science.

-- \$6,000 from the M.H. Detrick Co. as a grant-in-aid to the department of aerospace and mechanical engineering.

-- \$3,980 from the Research Corporation for "Ab Initio Localized Orbital Studies of Molecular Structure" by Dr. Maurice E. Schwartz, assistant professor of chemistry.

-- \$3,000 from the Gulf Oil Corporation as a grant-in-aid to the department of chemistry.

--\$2,500 from the U.S. Air Force for "Free Flight Evaluation of Powered Parafoil Parachute" by Dr. John D. Nicolaides, professor of aerospace and mechanical engineering.

-- \$892 from the National Institutes of Health for "Supplies for Postdoctoral Research" in the department of biology.

-- \$580 from the Indiana Academy of Science for a study of "Spectral Sensitivity of Extraoptic Photoreceptors" by Dr. Kraig K. Adler, assistant professor of biology.

Awards for educational programs totaled \$479,794 and included:

--- \$99,951 from the NSF for a "Summer Institute in Earth Science" in the department of geology.

-- \$96,000 from the Carnegie Corporation of New York for a "Summer Institute in Philosophy for College Teachers" directed by the department of philosophy.

-more-

November grants...3

-- \$93,056 from the NSF for a "Summer Institute in Chemistry" directed by the department of chemistry.

-- Paintings and sculpture valued at \$61,500 from Lester Wolfe for the University Art Gallery.

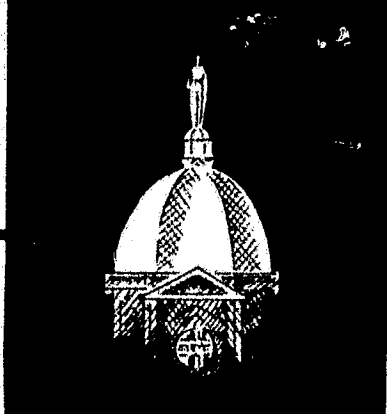
\$45,630 from the NSF for a "Summer Institute in Physics" directed by the department of physics.

-- \$1,242 from the Dow Chemical Co. and \$1,000 from the Alumnium Company of America for art materials in the department of art.

-- The Office of Scholarships and Financial Aid received \$28,460 from the Alfred P. Sloan Foundation; \$21,300 from the General Motors Corp.; \$8,850 from the Proctor and Gamble Co.; \$3,450 from Uniroyal, Inc.; \$2,850 from the Texaco Co.; \$2,625 from the Western Electric Co.; \$2,500 from the Universal Oil Corp.; \$2,250 from the Goodyear Tire and Rubber Co.; \$2,000 from the International Nickel Co.; \$2,000 from the Alcoa Foundation; \$1,500 from the Chrysler Corp.; \$1,500 from the Ellerbe Co.; \$1,300 from the Radio Corp, of America; \$500 from the Lubrizol Foundation, and \$330 from the Indiana Highway constructors.

The total awards also included \$21,000 from the International Research and Development Corporation for equipment in the Lobund Laboratory.



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December 22, 1970 Jay J. Kane

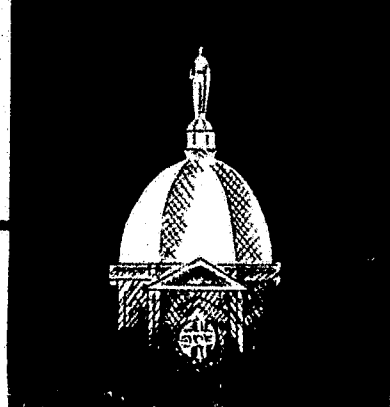
For Immediate Release

Notre Dame, Ind. -- Five members of the University of Notre Dame economics department are presenting papers at the annual meeting of the Allied Social Science Associations in Detroit Dec. 27-30. This is the largest number of participants from any university or group on the program, according to Dr. Dennis J. Dugan, associate chairman of the department.

Dr. William H. Leahy, associate professor of economics, will discuss "Issues in Public Expenditures" to both the Association for Social Economics and the Association for Evolutionary Economics. Drs. Kenneth M. Brown and Kwan S. Kim, assistant professors, will appear at the military expenditures session of the Econometrics Society.

Dugan will discuss "Determinants and Distributional Aspects of Enrollment in U.S. Higher Education" at the education session of the Econometrics Society. The paper presents an empirical analysis of factors influencing college enrollment rates.

Sylvester Schieber, a candidate for the Ph.D. degree in economics, will discuss "Employment Impacts of Defense Contracts."

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December 24, 1970

For Immediate Release

Notre Dame, Ind. -- High school students in low income families generally score below average in college entrance examinations while, at the same time, their numbers expecting to attend college have doubled.

This analysis by Dr. Dennis J. Dugan, associate chairman of the University of Notre Dame economics department, in cooperation with H.G. Grabowski of Yale University and Arthur J. Corazzini of Tufts University, is included in a recent study, "Determinants and Distributional Aspects of Enrollment in U.S. Higher Education." Dugan will discuss the study at a national meeting of the Econometrics Society in Detroit Dec. 27-30.

"Assuming that the Scholastic Aptitude Test (SAT) is not designed to be an index of native ability, but rather a measure of performance," Dugan concludes, "the disproportionate rationing of low income students from places in four-year colleges gives us cause for concern."

The researchers conclude that "means ought to be found to qualify large numbers of low income students for college and to finance their higher education years." Suggested methods are an extra year of schooling for such students and special tutoring. "While the resource costs of these possible solutions would be considerable," they state, "the social costs of not adopting the programs may be even greater."

Statistics show that more than 95 per cent of freshmen enrolling in college score over 400 on the verbal portion of the SAT. A survey conducted by the three educators indicates that 30 per cent of the scores recorded in the 200-400 point area are turned in by students in the lowest income



SAT survey...2

bracket, while only 7 per cent of the lowest-income students score in the 600-800 range on the SAT.

The Bureau of the Census conducted national surveys of high school seniors concerning college aspirations in 1959 and 1965. In 1959, 23 per cent of these students from families with income less than \$3,000 hoped to attend college. The same question six years later produced a 46 per cent affirmative. Overall, 60 per cent of all seniors in 1959 hoped to attend college, and by 1965, 70 per cent held that expectation.

This national cross-sectional analysis using evidence from the Boston area is an outgrowth of research for the state of Massachusetts conducted by the Rev. Ernest Bartell, C.S.C., chairman of the Notre Dame economics department, John Keith and Alvin Klevorick.