Notre Dame, Ind. -- Degrees will be awarded to 499 men and women at summer session commencement exercises Friday (Aug. 6) at the University of Notre Dame. The total includes 29 candidates for the doctoral degree, 439 master's degrees and 31 undergraduate degrees.

Rev. Edmund P. Joyce, C.S.C., executive vice president, will confer the degrees at ceremonies beginning at 11 a.m. in the Athletic and Convocation Center Arena. Dr. Frederick J. Crosson, dean of the College of Arts and Letters, will deliver the commencement address.

Father Joyce will also serve as principal celebrant of the Baccalaureate Mass at 9 a.m. Friday in Sacred Heart Church. Priest members of the commencement class will be concelebrants, and Rev. William A. Toohey, C.S.C., director of campus ministry, will preach the homily.

Charles A. Biondo, associate professor of music, will direct the University Wind Ensemble in programs preceding and following the commencement ceremonies.
FOR IMMEDIATE RELEASE

Notre Dame, Ind. — Rev. Ernan McMullin, chairman of the department of philosophy at the University of Notre Dame, will attend the International Congress for the Philosophy of Science in Bucharest, Romania, this month on a travel grant from the American Council of Learned Societies.

Fr. McMullin will present a paper on the methodology of Newton's "Principia" at the Congress, and will serve as official delegate of the U.S. National Academy of Sciences on the executive council of the Congress. He will also deliver a paper on Galileo at the International Congress of the History of Science in Moscow, and attend the Kepler Centenary celebrations in Leningrad.

A member of the Notre Dame faculty since 1954, Fr. McMullin was educated at the National University of Ireland and the University of Louvain, Belgium. He is the author of a major book on Galileo.
FOR IMMEDIATE RELEASE

Telecommunications Industries, Inc. (TII) of Copiague, N.Y., has asked engineers at the University of Notre Dame to assist in the development of a wastewater treatment system devised by TII. The agreement was announced by Dr. Joseph C. Hogan, dean of the College of Engineering and Alfred J. Roach, chairman of the board of TII.

The process uses sonics and ozone to purify drinking and wastewater, Roach explained. The ozone is an extremely strong purifying agent, which acts to destroy bacteria and break down organic pollutants in the water. However, the ozone does not attack solid masses or particles. Sound at varying high frequencies is used to break up the solid blocks of matter in the water, allowing the ozone to purified the remaining tiny particles of waste.

Roach said the newly developed system is effective for municipal waste treatment, industrial waste control and the treatment of recreational waters. TII will be building a pilot plant to demonstrate the effectiveness of the new technique to potential users. Patents for the system are pending.

Engineers at Notre Dame, under the direction of a College management committee, will try various combinations of ozone concentration and sound application in an effort to devise an optimum process. They will also research the most effective method of introducing the ozone and investigate the possibility of applying the procedure to local waste problems.

Dr. Philip Singer, assistant professor of civil engineering, will direct the water chemistry aspects of the program. Dr. Francis H. Verhoff, assistant professor of chemical engineering, will direct the process design.
water chemistry...2

and process control. Personnel in the department of aerospace and mechanical engineering will direct the vibrational and sonic aspects of the program.

The committee supervising the work includes Hogan, Dr. Edward Jerger, associate dean of the College of Engineering, Dr. Stuart McComas, assistant dean of the College, Dr. K.T. Yang, chairman of the department of aerospace and mechanical engineering, Dr. Julius T. Banchero, chairman of the department of chemical engineering and Dr. Don A. Linger, chairman of the department of civil engineering.
From: Mrs. Horiszny  
August 4, 1971

For Immediate Release

The General Electric Foundation has awarded the University of Notre Dame $8,066 through its Corporate Alumnus Program, according to James W. Frick, vice president of development at the University of Notre Dame.

The program permits individual GE employees to contribute up to $2,000 per year to colleges and universities, with contributions matched by the Foundation on a dollar-for-dollar basis.

Notre Dame is among 802 colleges benefiting from the program, which contributed a total of $1,190,477 to schools in 1970.

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From: Mrs. Horiszny  
August 5, 1971

For Immediate Release:

Five undergraduates in psychology at the University of Notre Dame are studying such topics as the effects of trauma, the relationship of anxiety and memory, and the development of language among retarded children under the National Science Foundation's Undergraduate Research Participation program. The summer program enables undergraduate psychology majors to pursue independent research projects under the direction of a faculty sponsor.

The students are all juniors at Notre Dame and Saint Mary's College, and will continue their projects into the senior year. The program is directed by Dr. John G. Borkowski, associate professor of psychology.

The students and their projects are:

-- Joseph R. Moskal, Saginaw, Mich., is experimenting with rats in an effort to learn the chemical basis of fear and shock. He is working with Dr. D. Chris Anderson, associate professor of psychology, who has shown that animals who have experienced severe trauma approach any new learning situation with markedly reduced curiosity. Moskal is experimenting with chemical implants in an effort to reverse some of the worst effects of the trauma on future learning.

-- Charles Zubrzycki, Camden, N.J., is comparing short term memory ability in high-anxiety and low-anxiety college students. In general, he has found that people scoring low on the anxiety scale
Zubrzycki is working with Borkowski on the project.

-- Gene Mercer, Hamilton, Ontario, is working with Dr. Ellen Ryan, assistant professor of psychology, to learn when negative attitudes towards ghetto speech patterns develop in children. He explained that many scholars believe blacks speak a separate dialect from conventional "white" English. The entire school system regards the black dialect as improper, he said, and punishes the children who speak it, just as they penalize Mexican-Americans who speak Spanish.

-- Thomas Burish, Peshtigo, Wis., and Carol Collins, Chicago, Ill., are studying the development of language in severely retarded children. Working under Dr. Thomas Whitman, assistant professor of psychology, they are trying to train retarded children to verbally interact with each other through an instructional and reward procedure.

-- Ann Siebenaller, Tiffin, Ohio, a junior at Saint Mary's College, is developing a learning program for preschool children under Dr. Susan Horka, assistant professor of psychology. Using such basic materials as crayons, paper, books and games, she hopes to improve the children's readiness for school. She is particularly interested in reaching children described as "educationally deprived."
The 12th Midwestern Mechanics Conference will be held at the University of Notre Dame's Center for Continuing Education Monday through Wednesday (Aug. 16-18).

Sponsored by the National Science Foundation, the Air Force Office of Scientific Research and the University of Notre Dame, the conference will feature 63 contributed papers and six invited lectures in the areas of internal and external flow, plasticity, viscoelasticity, stability of fluids, wave propagation, stability and buckling. The conference is endorsed by the American Society of Mechanical Engineers and the American Society of Civil Engineers.

Drs. L.H.N. Lee and Albin A. Szewczyk, professors of aerospace and mechanical engineering, serve as co-chairmen of the conference, and Dr. K.T. Yang, chairman of the department, serves as paper committee chairman. Dr. Edward W. Jerger, associate dean of the College of Engineering, is treasurer of the conference.
From: Mrs. Horiszny  
August 9, 1971

For Immediate Release:

The University of Notre Dame has accepted $233,598 in awards for the month of July to support research and educational programs, according to Dr. Frederick D. Rossini, vice president of research and sponsored programs.

The largest single award was $94,580 from the U.S. Department of the Interior to support a study on the "Effects of Land Fill Operations on Ground Water Quality." Dr. Philip Singer, assistant professor of civil engineering, heads the study, which seeks to develop a method for relating rainfall, soil, geologic factors and the quality of well water taken near sanitary landfill operations.

Awards for research totaled $190,098 and included:

-- $37,828 from the Environmental Protection Agency for research on "Diffusion in Turbulent Surface Layer" by Dr. Victor W. Nee, associate professor of aerospace and mechanical engineering.

-- $29,700 from the American Heart Association and the Indiana Heart Association for a study of "Substrate Interactions with Aspartate Transaminase" by Dr. Marino Martinez-Carrion, associate professor of chemistry.

-- $11,730 from the Whirlpool Corporation for fellowships in the College of Engineering.
July grants...2

-- $7,500 from the Indiana Heart Association Research Council for research on the "Effects of Intestinal Flora on Cholesterol Absorption" by Dr. Bernard S. Wostmann, professor of microbiology.

-- $6,200 from the American Oil Foundation for a design fellowship in the department of chemical engineering.

-- $2,500 from the Bendix Corporation for "Matrix Structures Analysis" by Dr. Sidney Kelsey, professor of civil engineering.

Awards for educational programs totaled $43,500 and included:

-- $42,700 from the U.S. Office of Education for a College work-study program in the office of financial aid.

-- $500 for a biology seminar program and $300 for a seminar series in the Lobund Laboratory on persistent virus infections from the Damon Charitable Foundation, Inc.
From: Mrs. Horiszny  

August 9, 1971

For Immediate Release:

Dr. Marino Martinez-Carrion, associate professor of chemistry at the University of Notre Dame, has received research support through a $29,700 grant from the American Heart Association, Inc., supported in part by the Indiana Heart Association.

Martinez, who has been studying an enzyme (glutamate aspartate transaminase) important in identifying heart disease and hepatitis, will take a closer, more detailed look at this complex catalyst using the technique of nuclear magnetic resonance (NMR). The technique will allow him to identify specific atoms of the enzyme which are involved in the chemical reaction it helps promote.

By comparing the structure of the enzyme and the chemical it acts upon (called the substrate) both in the free state and during the reaction process, Martinez can make intelligent guesses about which atoms of the enzyme-substrate complex are most important in the reaction. He can also study a chemical that "turns off" the enzyme and learn which atoms in its structure permit this effect.

Martinez speculated that basic information on the functioning of this and other enzymes could become important to the development of drugs effective at specific sites in the body.
Notre Dame, Ind. -- Rev. Theodore M. Hesburgh, C.S.C., president of the University of Notre Dame, has accepted the chairmanship of the Overseas Development Council (ODC), a private group formed in 1969 to promote effective aid to underdeveloped countries.

Father Hesburgh succeeds Eugene R. Black as head of a 67-member ODC board which includes Arthur J. Goldberg, former U.S. United Nations Ambassador and Supreme Court Justice; Vernon E. Jordan, Jr., head of the Urban League; James A. Linen, chairman of the executive committee of Time, Inc.; David Rockefeller, chairman of the board of the Chase Manhattan Bank; John E. Swearingen, chairman of the board of the Standard Oil Company of Indiana; Leonard Woodcock, president of the United Automobile Workers, and fellow university presidents Malcolm Mocs of the University of Minnesota and Clifton R. Wharton, Jr., of Michigan State.

The operating functions of ODC, which has offices in Washington, D.C., are to provide a clearinghouse for overseas development information and activities, to conduct studies of its own in the area, to serve as a forum for discussion of development policies, and "to keep the urgency of the challenges of development before the public and responsible authorities."

The ODC grew out of a 1967 meeting of leaders from business, higher education and foundations which concluded that the technical and financial resources of the United States and other rich nations were not producing the quality or rate of development needed by nations in such areas as Asia, Africa and Latin America.

The non-profit corporation has a professional staff of 10 and an annual budget of some $500,000, underwritten by grants from more than 40 corporations, foundations and private individuals.
Dr. Willis Bartlett, chairman of the department of graduate studies in education at the University of Notre Dame, has also been named acting dean-director of the Institute for Studies in Education, Rev. James T. Burtchaell, C.S.C., provost, has announced.

Bartlett, who joined Notre Dame's faculty three years ago, holds a doctorate from Ohio State University in guidance and counseling and is a specialist in vocational choice theory. He succeeds Rev. Neil McClusky, S.J., who will be leaving Notre Dame.

The fall semester will open with 20 new administrators, according to the provost's office. The appointments, most of which have been announced previously, include: Rev. William Botzum, C.S.C., assistant vice president for graduate instruction; Dr. William M. Burke, assistant provost; Rev. David Burrell, C.S.C., chairman of the department of theology; Leo M. Corbaci, dean of administration; Dr. Dennis Dugan, chairman of the department of economics.

Also, John T. Goldrick, director of the office of admissions; Dr. Robert E. Gordon, vice president for advanced studies; Dr. Peter P. Grande, assistant dean of the freshman year of studies; Dr. Emil T. Hofman, dean of the freshman year of studies; Dr. Francis M. Kobayashi, assistant vice president for research and sponsored programs; Dr. William T. Liu, chairman of the department of sociology and anthropology.

Also, Dr. John L. Magee, director of the Radiation Laboratory; Dr. Darwin Mead, assistant dean of the College of Science; Daniel Osberger, assistant dean of administration; Donald Rosenthal, associate registrar; Thomas Shaffer, dean of the Law School; David Sparks, director of libraries; Richard Sullivan, registrar, and Rev. Joseph L. Walter, C.S.C., chairman of the department of preprofessional studies.
From: Mrs. Horiszny

For Immediate Release:

Dr. James Massey, professor of electrical engineering at the University of Notre Dame, will take a sabbatical leave to teach and pursue research at the Laboratory for Communication Theory, Royal Technical University of Denmark in Lyngby.

For Immediate Release:

Brother Columba Curran, C.S.C., professor of chemistry at the University of Notre Dame, has been asked to present a paper at the Fifth International Conference on Organometallic Chemistry in Moscow this week (Aug. 15-21).

His paper is titled "Mossbauer Studies in Divinyltin (IV) Complexes," and describes the various configurations of molecules containing carbon-tin molecular bonds.
For Immediate Release:

Notre Dame, Ind. -- Seventy-seven minority students are among the 1,625 freshmen expected this fall at the University of Notre Dame, bringing the total number of minority students to 246 in an undergraduate student body of 6,300.

The minority enrollment figures compiled by Notre Dame's Office of Admissions show that most minority students are Black but that the number of Chicano students is increasing rapidly. Fifty-four Black students are among this fall's entering class, giving a total of about 160 Black undergraduates. There are 19 Chicano students among the freshmen for a total of 60. Last year, 58 Blacks and 10 Chicanos were admitted in a first-year class which contained about 100 more students. Six American Indians, four of them freshmen, round out the minority enrollment statistics.

Admissions Office figures show that the incoming minority students compare favorably with the overall class average, especially in terms of class ranking, leadership potential and service activities. More than half of the incoming minority students, for example, were in the top 10 per cent of their high school graduating classes, and a number served as class officers, played varsity sports or belonged to the National Honor Society. Eleven were "Notre Dame Scholars," the University's top scholarship designation, usually given to about 200 freshmen a year.

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For Immediate Release:

Notre Dame, Ind. -- The appointment of Dr. Eugene A. Campanale, assistant director of the Institute for Studies in Education at the University of Notre Dame and director of the education department at Saint Mary's College, to the Indiana Teachers of Education Advisory Council has been announced by John J. Loughlin, state superintendent of education.

Membership on the council is limited to 23 representatives of such organizations as PTA, Indiana Association of Colleges of Teacher Education, Indiana Association of Public School Superintendents, Indiana Federation of Teachers and the Indiana State Teachers Association. Campanale serves as spokesmen for the smaller private colleges of teacher preparation.

Members of the council will meet September 1 at the Indiana State House for a discussion of updated teacher certification requirements in Indiana. Loughlin, a former South Bend teacher, has asked the group to present recommendations for a revised method of certification.
From: Mrs. Horiszny

August 23, 1971

For Immediate Release:

The Dean's Honor List for the 1970-71 school year commends 1,410 undergraduates at the University of Notre Dame who earned a 3.2 average or greater, according to Richard Sullivan, University Registrar.

Over 40 per cent of those listed were juniors, or 557 students; 32 per cent were sophomores, and 28 per cent freshmen. Averages were not computed for graduating seniors. The College of Arts and Letters boasted almost 49 per cent of the total honors, or 690 students; the College of Science was next with 21 per cent, the College of Engineering and the College of Business Administration totaled 15 per cent each.

Last year the list honored 1,927 students. The total undergraduate enrollment of Notre Dame is 6,407.
For Immediate Release

Notre Dame, Ind. -- Robert F. O'Brien, director of the University of Notre Dame band, has been named secretary-treasurer of the National Catholic Bandmasters Association at its annual meeting in New Orleans.

O'Brien was one of the founding officers of the organization and served as president and national co-ordinator for eight years after chartering in 1953. He has also served as editor of the bandmasters' page in School Musician magazine for a number of years.

O'Brien is the lone member of the association to be honored with an honorary life membership.

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Denver, Colo. -- The trouble with collegiality in the Catholic Church is that it means different things to different people, according to a recent study by two occupational sociologists.

In a paper delivered here Sunday (August 29) at the joint meeting of the Religious Research Association and the Association for the Sociology of Religion, Richard W. Bell, a graduate student at Loyola University (Chicago) and Dr. John P. Koval, assistant professor of sociology at the University of Notre Dame, described three major groups with different interpretations of the collegiality endorsed by the Second Vatican Council.

"The Church hierarchy tends to interpret collegiality as an important ingredient in renewing a traditional hierarchical structure with an emphasis upon shared authority but limited to a broadening of the base of authority to the bishops of the world," they noted.

The second group, which they call "clericals," emphasizes the decision-making authority of all ordained clergy, and a third, referred to as "egalitarians," favors the widest possible shared participation in the ministry and the determination of church policy, including laymen as well as priest-professionals.

The "hierarchial collegials" are older and characteristically pastors with a slight tendency to live in small city or rural areas. The vast majority describe their socio-political views as moderate or conservative, oppose optional celibacy in the Church, stress traditional models of the priesthood, and have a "relatively low stress profile."

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In contrast, the "egalitarian collegials" are generally under 45, occupy clerical positions of assistants or specials and reside in urban areas or moderately sized cities. More than half consider themselves liberal or ultra-liberal and four of five endorse optional celibacy. They favor an expansion of the role of the priest beyond traditional parish duties and clerical concerns, with racial justice, ecumenism and community organizing mentioned often. Egalitarians report "extremely high stress levels," especially in the institutional context where they see a lack of leadership from those in authority, are disappointed with the Church's stand on certain social and moral issues, and feel the pace of change since Vatican II has been too slow.

The "clergy collegials" -- those supporting an expanded but essentially clerically based collegial orientation -- stand in the middle. They are more solidly middle-aged, with a slight plurality of pastors. They are almost evenly split between liberal and moderate-to-conservative orientations, with a slight edge to the latter, and this is reflected in an even division between those who favor optional celibacy and those who do not. They tend to agree with the hierarchials in their emphasis on the priesthood and concentration of role performance in a parish setting but place greater value than the hierarchials on updating the liturgy and building a Christian community. Clericals report moderate stress, with loneliness most often mentioned.

The authors emphasized that while the three types differed in approaches to social change, the commitment to Church, faith and priesthood was firm for all of them.

The paper was based on data drawn from a national study of the Catholic clergy completed by Koval/last December under a grant from the National Federation of Priests' Councils.

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FOR IMMEDIATE RELEASE.

Dr. George C. Kuczynski has been invited to attend the Second International Round Table Meeting sponsored by the International Team for studying sintering.

The meeting will be held in Herceg Novi, Yugoslavia September 5-11.
From: Mrs. Horiszny

August 31, 1971

For Immediate Release.

Dr. Bernard D. Cullity, professor of metallurgical engineering and materials science at the University of Notre Dame, has been appointed to the Magnetic Materials Panel of the Advisory Committee to the Air Force Systems Command of the National Academy of Sciences - National Academy of Engineering.

This panel examines the status of new permanent-magnet alloys containing rare-earth metals and advises on the probable future role of these new materials.

Cullity has also been elected a Fellow of the American Society for Metals (ASM). The honor of Fellow is in recognition of distinguished contributions in the field of metals and materials. He will receive the honor at a Convocation of Fellows to be held October 20 in Cobo Hall immediately following the ASM Annual Meeting.

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For Immediate Release.

Some 1,620 freshmen will arrive at the University of Notre Dame this weekend (Sept. 4-6) for Freshman Orientation, according to Dr. Emil Hofman, dean of the freshman year of studies.

The students and their parents will have a chance to meet the University administration, academic counselors and the priests of the campus ministry. Topics of the meetings will include the Notre Dame overseas programs, selective service and ROTC information. Tours of the Art Gallery, Computer Center, Memorial Library and Athletic and Convocation Center (ACC) will be available for students and their parents.

Freshmen will join 4,600 returning Notre Dame students, 210 undergraduate transfer students, an estimated 1,100 graduate students, 170 M.B.A. students and 500 law students for a total of 8,200. Saint Mary's expects 518 freshmen, its largest entering class, for a total student body of 1,820.

Joint registration will be Tuesday (September 7) from 8:30 a.m. to 3:30 p.m. in the north dome of the Athletic and Convocation Center. Fall semester classes start Wednesday (September 8) and end December 10.
For Immediate Release.

Dr. A.G. Strandhagen, professor of aerospace and mechanical engineering, has been invited to deliver a lecture at the Second International Conference on Vehicle Mechanics in Paris, France, September 6-9. Strandhagen will talk on "Stability of Non-Linear Ships."
For Immediate Release.

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Notre Dame, Ind. -- Work has begun on a major renovation of the Morris Inn, including expanded kitchen and dining facilities.

The improvements, the most extensive in the 19-year history of the University's campus hotel, will double the kitchen capacity, increase dining seating from 95 to 150 and move the present cocktail lounge adjacent to the restaurant, according to Manager John Bash. The inn's 90 rooms will also be refurbished.

The hostelry will remain open throughout the construction period, and dining service will be available, except during the customary two-week vacation period around Christmas and New Year's Day. Completion of the new dining and kitchen areas is expected around February 1, 1972, and March 15 is the target date for finishing renovation of the rooms.

Architect for the project is Ellerbe of St. Paul, Minn. Carl J. Reinke & Sons, Inc., is the general contractor, and South Side Electric Co., Inc., and Ideal Consolidated, Inc. are the electrical and mechanical contractors, respectively.

The project was announced a year ago, but modifications in the plans delayed construction.