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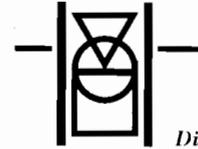
News Release

## GRADUATE RESEARCH CENTER OF THE SOUTHWEST

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DALLAS --

One dozen firsts and major events sparked the 1965 story of the Graduate Research Center of the Southwest.

Bursting toward an orbit around the Sun, the December 16 launch of Interplanetary Spacecraft Pioneer A at Cape Kennedy, Fla., symbolized the progress of the Center in fundamental research and advanced education. Projects of five major universities and agencies were aboard the 140-pound package, including the Center's cosmic ray anisotropy detector. It was the first time a Center experiment had moved into deep space.

The NASA spacecraft (re-named Pioneer VI), responding to a series of 175 commands, put its solar power cells at right angles to the Sun's rays and focused its transmitting antenna toward Earth one day after launch, at a distance of 230,000 miles on its 50-million mile rate. For six months, the experiments are expected to tell the story of energies in space, where men hope to follow in the future. The data may point to dangers for astronauts, and to ways for protection against them.

Prof. Kenneth G. McCracken, who has directed the Center's experiment construction in a two-year program -- one of the shortest time spans from start to launch in major space explorations -- will also be responsible for cosmic radiation data analysis.

Other "firsts" and top events at the Center in 1965 were:

\*- Initial steps in materials research; transfer of large power conversion equipment from Massachusetts Institute of Technology, and construction of magnets for high-field magnetic experiments. The facility will produce uniform fields of 90,000 gauss within a five-inch by two-inch diameter magnet bore. It will be one of the most powerful research tools in the nation.

\*- Million-dollar investment of Center's funds in biology laboratory facilities; arrival of faculty headed by Prof. Carsten Bresch, University of Cologne. Start of research, involving direct implications for human welfare, in reading of genetic

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information (DNA and RNA codes), structure and functions of large molecules essential to living matter (nucleic acids and proteins), and radiation damage and biological repair. "The world's greatest center of research strength in photobiology is now at the GRC," says Prof. Charles A. Thomas, Jr., of Johns Hopkins University during a November press conference in Dallas.

\*- Gifford K. Johnson named second president of the Center; comes from a lifetime of business experience in the aerospace-electronics industry, the largest technically-oriented industry in the nation. Deeply interested in education, he has been general chairman of the Dallas Chamber of Commerce education committee and has served on the Governor's Committee for Education Beyond the High School.

\*- Research properties near Center purchased by Atlantic Refining Co. and Anderson-Clayton Foods. The Western Company purchases first industrial research and engineering site on the Center's campus. Officials of all three companies say proximity to Center's basic research activity, development of scientific community was factor in site selections.

\*- Geosciences Division, headed by Prof. Anton L. Hales, provides co-ordination of major program in national Upper Mantle Project; East Coast On-Shore, Off-Shore Experiment (ECOOE) involves seismic observations by nine other university and research agency teams, detonation of 250 shots within a 200-mile width of Atlantic Ocean paralleling coasts of North Carolina and Virginia.

\*- First post-doctoral staff member appointed to faculty of regional university after two-year "residency" at Center; Dr. William D. Deering joins North Texas State University faculty in physics. The Center's post-doctoral program is often likened to medical internship at a teaching hospital; two-year appointments of recent doctoral graduates as Research Associates are offered, to bring young scientists into the region and prepare them for graduate teaching assignments at universities, or for industrial research leadership.

\*- TAGER (The Association for Graduate Education and Research of North Texas) chartered by the Center, Southern Methodist, and Texas Christian. Four undergraduate schools affiliated (Austin College, Bishop University, University of Dallas, and Texas Wesleyan College). Goal is to strengthen and expand doctoral and post-doctoral programs and continuing advanced study through combined resources of the institutions, including graduate-level offerings for scientists and engineers of area industry. Cecil H. Green, a Center founder, named chairman of TAGER board of trustees. Dr. Jesse E. Hobson,

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former vice president for co-ordinated planning at Southern Methodist, becomes executive director.

\*- Center's Annual Report shows sponsored research at new high of \$2,662,718 for year ending June 30. Total capital investment reaches \$8,060,347. Pledges and gifts of \$370,070 were received during fiscal year. The Dallas Founding Fund, including pledges and gifts of 584 private donors made during and since 1963, exceeds its \$5 million goal. Lacking tuition income, the Graduate Research Center, a private, non-profit corporation, depends entirely on private gifts and grants and sponsored research. The Center's present national development program has a goal of \$20 million plus, to be used for further construction and facilities expansion. Fellowship and endowment funding is also being sought on a national scale.

\*- Center joins with industry, regional educators, civic groups, in hosting Atomic Energy Commission's four-man site inspection team November 15. Team visits Dallas-Fort Worth proposed locations for \$348 million National Accelerator Laboratory, meets regional educators to discuss academic strengths of area at Center.

\*- "Goals for Dallas" program placed under Center sponsorship, with blue-ribbon planning committee named. Task is preparation of a report to be transmitted to Dallas citizens, setting out long-term goals in several broad fields such as education and economic strength. Vice President Bryghte D. Godbold, on leave from GRC, named staff director for project. Planning begins December 3, at meeting of the committee called by Mayor Erik Jonsson, chairman of Center's Board of Governors and a principal founder.

\*- Dr. Lloyd V. Berkner, who came to Texas late in 1960 to organize the Center at Mr. Jonsson's request, asks relief from administrative duties as scientific director. A scientist of international reputation, he had headed both administration and research as the first GRC president until March. His December 17 request was prompted by reasons of health. Dr. Berkner will remain as both Chairman, Board of Trustees, and as a research professor.