RESEARCH FACILITIES AND PROGRAMS

Newly occupied physics building at Kodak Research Laboratories in Rochester, N. Y.

Kodak physicists test lens on optical bench extending length of 160-foot underground lens tunnel located near physics building.

Kodak Research Center

A new seven-story physics research building has recently been occupied by the Kodak Research Laboratories in Rochester, N. Y. Its 200 000 square feet of floor space provide room for the work of about 400 persons and include over 200 special rooms for research in such fields as the theory of the photographic process, image structure, optical systems, sensitometry, radiography, sound recording, electrostatics, and solid-state physics. Special features include an optical penthouse on the roof for use in long-range photography and solar-radiation work and a temperature-controlled underground lens tunnel measuring 160 feet long, ten feet wide, and ten feet high.

Construction of the building was begun in 1959. It is fully air-conditioned, permitting year-round control of both temperature and humidity in all laboratories, which are located in interior areas away from outside walls. One wall of the building's lobby contains a ceramic tile mural depicting fundamental aspects of physics.

Republic Aviation Laboratories

On April 29, the Republic Aviation Corporation formally dedicated its new Paul Moore Research and Development Center in Farmingdale, L. I. Named for one of the corporation's founders, the $14 million facility contains seven laboratories, each of which is intended for studies in a particular area of interest in the design and construction of space vehicles. The equipment will also be used in part for work on the design of advanced aircraft involving many of the same problems.

Materials for space vehicles will be tested in the Materials Development Laboratory, which contains chemical, physical, and metallurgical equipment to test the composition of various materials and their capabilities of withstanding the rigors of outer space. Electronic components will be studied in the Electronics Laboratory, equipped with a large anechoic chamber for space-simulation testing of antennas. Work on thin-film diodes and laser applications is already underway in the Guidance and Control Systems Laboratory, and Republic's Fluid Systems Laboratory plans to test both

Anechoic chamber in Republic's Electronics Laboratory, equipped with remote-control turntable, is used for tests in simulated space environment.