

HELIUM THREE

*Proceedings of the Second Symposium on
Liquid and Solid Helium Three, held at
The Ohio State University, August 23-25, 1960
198 pp. With a résumé of the discussion. \$4.50*

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within the microsecond-micron range. In addition, special devices will be installed to study the effects of light on crystals and photoconductors. The laboratory will be headed by Robert M. Lemmen, and is expected to be in operation before the end of the year.

The Central Research Department of E. I. du Pont de Nemours & Company is currently constructing a new laboratory for research in solid-state physics and related fields at the Du Pont Experimental Station in Wilmington, Del. The program of the new laboratory will represent a continuation of studies already being conducted by Du Pont scientists, who have recently reported several advances in solid-state physics, including the discovery of the "exchange inversion" phenomenon exhibited in the magnetic performance of certain intermetallic compounds. These undergo a sharp transition from an antiferromagnetic state to a ferromagnetic state and thence to a normal Curie point with increase in temperature giving a "magnetic window" in the magnetization-temperature curve.

In addition to further studies of ferromagnetism and other phases of solid-state physics, the laboratory will conduct research involving molecular structure and bonding in both organic and inorganic compounds. The three-story building will provide space for a staff of about fifty and is expected to be ready for occupancy in the late summer of 1961.

Westrex Corporation, a division of Litton Industries, has established a Geophysical and Oceanographic Instrumentation Laboratory in New York City. The laboratory's activities, under the direction of Bernard Luskin, Manager of Data Processing, will include expansion of the company's line of precision depth recorders, time and frequency standards, contour temperature recorders, and the development of data-recording techniques.

Table Mountain in Colorado has been selected as the site of the new National Center for Atmospheric Research, according to the National Science Foundation and the University Corporation on Atmospheric Research, the group representing fourteen universities which will establish and operate the center under contract with the Foundation. The site, located a short distance from the town of Boulder, was selected as "the best available place from which a large variety of meteorological and atmospheric conditions can be studied".

As previously announced, the center will be under the direction of Walter Orr Roberts of the Boulder High Altitude Observatory and will serve as the administrative headquarters for the coordination of a major national weather research program. Research will be conducted at Table Mountain as well as at field stations which may ultimately be established at other locations. The national atmospheric research program will also involve the efforts of scientists at various universities throughout the nation. Studies are expected to be under-