

PHYSICISTS

Well qualified Physicists with advanced degrees are invited to join CEIR scientists and mathematicians in the development of analytical and experimental techniques for application to advanced SPACE TECHNOLOGY and OPERATIONS RESEARCH problems. Good background in mathematics particularly helpful. Physicists contemplating a forward step in their careers, who have vision and capability in:

- * SYSTEMS ANALYSIS
- * TRAJECTORY STUDIES
- **★** GUIDANCE TECHNIQUES
- * COMPUTER PROGRAMMING

are urged to explore the outstanding career opportunities now open at CEIR in the Washington, D. C. area.

CEIR OFFERS

Salary based on experience and ability, with regular increases determined by individual achievement.

An environment which encourages initiative, professional inquisitiveness and accomplishment.

Fringe benefits which include life insurance, hospitalization and a liberal retirement plan.

An opportunity to join one of the nation's fastest growing research organizations.

Send your resume to:

Dr. William W. Eaton, Vice President

CORPORATION FOR ECONOMIC AND INDUSTRIAL RESEARCH

1200 Jefferson Davis Highway, Arlington 2, Va.

\$1. Orders should be addressed to the Publications Office, National Academy of Sciences, Washington 25, D. C.

Facilities

Nuclear Metals, Inc., formally dedicated its \$2 million metallurgical research and development laboratory in Concord, Mass., on October 24. Nuclear Metals was formed in 1942 as the Metallurgical Project of the Massachusetts Institute of Technology and continued under MIT auspices until 1954, when Arthur D. Little, Inc., and Allegheny Ludlum Steel Corporation were selected by the Atomic Energy Commission to continue the activities of the Metallurgical Project. Some of the company's activities include work in physical metallurgy, chemical metallurgy, fabrication, fuel element manufacturing, and the development of high-temperature materials.

An Information Center has been established at the Cryogenic Engineering Laboratory of the National Bureau of Standards in Boulder, Colo., to serve as a clearing house for references to research and development literature in cryogenic engineering. Data and reports originating at CEL supply an appreciable portion of the material referenced by the Center. Literature searches, made by individual staff members in connection with special projects, will be available to other scientific groups through the reference function of the Center. It is also within the scope of the Center to act as a depository for abstracts of completed literature searches, microfilmed papers pertinent to CEL's investigations, and a certain amount of material needed occasionally by the staff. After information collections on specific subjects are completed, critical evaluations and correlations will be made. The results will be available to the public in printed form. Topics to be covered will include properties of materials at low temperature and phenomena associated with low-temperature processes. A few technical information sheets are available at this time covering thermophysical properties of a number of metals and alloys, such as complete graphs on thermal conductivity and data on thermal expansion. Also available are selected temperature-entropy Mollier diagrams of common cryogenic fluids (oxygen, nitrogen, helium, hydrogen, and air). Requests should be addressed to Information Center, Cryogenic Engineering Laboratory, National Bureau of Standards, Boulder, Colo.

CBS Laboratories, a division of Columbia Broad-casting System, Inc., dedicated its new Research Center in Stamford, Conn., on October 7. The facilities will house laboratories for work in such fields as audiovideo systems, solid-state physics, physical chemistry, optics, vacuum tubes, data processing systems, and electronics for communications and other applications. Also included in the structure is a specially designed anechoic chamber for acoustical measurements and studies.