

OPTICAL ENGINEER

B. S. in Physics or Electrical Engineering preferred, but not essential.

Photographic or Graphic Arts experience highly desirable.

Responsibilities will include:

- Purchasing and setup of lens-testing equipment.
- Supervision of testing, and analysis of both production and experimental photographic systems.
- Working on the development of photocomposition equipment that is used in newspapers, magazines and fine books.

**Send resume in confidence to
Personnel Director**

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N.W., Washington 25, D.C. Applications for 1958-59 must be received in the Fellowship Office before January 13.

Established

Lockheed Missile Systems division has opened a new "space communication" laboratory in Sunnyvale, Calif., where a technical staff of more than 50 will study such matters as the effect of cosmic rays on radar and radio signals, ionospheric effects, the radar patterns presented by missiles and other objects of various shapes, and the characteristics of antennas installed in missiles. The laboratory, which is equipped with four instrumented antenna and reflectivity ranges and an anechoic chamber free of stray electronic signals, will be mainly concerned with research in connection with the Navy's Polaris ballistic missile. The facility will be made available for use by other scientific groups on a commercial basis.

United States Rubber Co., in dedicating its new research center in Wayne, N. J., on September 18th, announced plans to spend a minimum of \$120 million on research and development in the fields of rubber, plastics, chemicals, and textiles as part of a five-year program of expanded effort at the research center and at the company's laboratories at 22 locations in the United States and abroad. The center, consisting of four main buildings, houses some fifty unit and special laboratories, including a physical testing laboratory and a radiation laboratory equipped with a 2-Mev Van de Graaff electron accelerator.

The US Atomic Energy Commission has announced the appointment of a new Advisory Committee on Reactor Safeguards established as a statutory committee by a recent amendment to the Atomic Energy Act of 1954 enacted by the 85th Congress. The committee replaces an advisory group having the same name which was formed by the Commission in 1953. The Act, as amended, provides that the Committee shall review and report on safety studies and facility license applications referred to it; shall advise the Commission on the hazards of proposed or existing reactor facilities and the adequacy of proposed reactor safety standards, and shall perform such other duties as the Commission requests. Included among applications which are to be referred to the group for safety evaluation are those for power and testing reactors. The Act provides that the Committee's reports on these shall be made available to the public.

Publications

English-language editions of two Russian metallurgical journals, *The Physics of Metals and Metallurgy* and *The Journal of Abstracts—Metallurgy*, will be published for the first time next year, according to an announcement by the board of governors of Acta Metallurgica. To help defray the cost of preparing the trans-