

# ■ ENGINEERS ■ SCIENTISTS IMMEDIATE

● Professional ● Academic ● Financial

## ADVANCEMENT

We invite you to investigate the specific positions which exist for graduate EEs and Physicists in advanced "state of the art" programs.

Our Company has a national respected technical capability, and has enjoyed consistent growth because of a forward-thinking management team which recognizes its greatest natural resource, its people.

Its continued physical growth and technical eminence is based upon the satisfactory fulfillment of specific professional needs; the willingness of management to attract exceptional personnel in order to tailor positions around their experience.

Described below is a partial listing of positions and technical fields which warrant your professional consideration and immediate action.

**SENIOR OPTICAL SYSTEMS ENGINEER**—BS Physics or EE with advanced degree preferred. Analysis of electro-optical tracking equipment.

**ELECTRO-OPTICAL ENGINEER**—BSEE or Physics degree. Design and development of electro-optical devices. Function provides the opportunity to apply laser products to industrial applications.

**APPLICATION ENGINEER**—BSEE or Physics degree. Ability to help customers apply laser products to industrial applications.

**SENIOR PROGRAMMER**—Experienced in the programming of scientific computations. Familiar with numerical analysis, applied mathematics and real time programming.

**SENIOR MICROWAVE ENGINEER**—Experienced in the development of microwave components, parametric amplifiers, transistor circuitry and system design.

**SENIOR ELECTRONICS ENGINEER**—Systems and Component experience in RF, IF, and video circuits. Familiar with display equipment and transistorized circuitry.

*In order to be further apprised of the professional positions, please call collect or write, Mr. David Austin, Personnel Manager.*

### TECHNICAL RESEARCH GROUP, INC.

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with the properties of liquid gases. In addition, biophysicist Humberto Fernandez-Moran is building his own section in the laboratory for his work in electron microscopy. He will attach his equipment to the ultralow system to supercool his microscopes for biological studies.

The Laboratory will have stations for general experimentation involving the use of liquid helium to cool materials to temperatures as low as three-tenths of a degree above absolute zero. Lower temperatures—to one seven-thousandth of a degree—will be obtained by means of the adiabatic demagnetization method, for which a powerful magnet is being installed.

#### *New Labs at Iowa State*

The State University of Iowa recently received contracts from the Iowa State Board of Regents for construction of a Physics Research Building and an Astronomy Research Observatory for the University's Department of Physics and Astronomy.

The proposed budget for the entire project is \$1 985 000, of which \$133 000 is to be used for the Observatory. The University received grants of \$650 000 from the National Science Foundation and \$610 000 from the National Aeronautics and Space Administration of which \$954 000 will be used toward construction of the two buildings. The remaining funds were granted in 1961 by the state legislature of Iowa.

The physics building will be connected to the University's accelerator building and will house a 5.5-million-volt nuclear research device. Plans include seven floors, 35 laboratories for projects in space science, high-energy, low-energy, and solid-state physics, five conference and seminar rooms, a library, and office space for 35 senior staff members and 79 graduate students.

The Observatory, to be located about eleven miles south of Iowa City, will be a one-story structure which will be equipped with a 24-inch telescope.

#### *Controlled Fusion Study*

The University of Michigan has announced that its Department of Electrical Engineering and Office of Re-