

CHALLENGING OPPORTUNITIES IN RESEARCH

APPLIED PHYSICISTS

Design of transducers, fundamental problems in underwater acoustics involving transmission, attenuation, reflection. Problems in sound control and noise reduction. Acoustical aspects of systems research.

**THE PENNSYLVANIA STATE UNIVERSITY
ORDNANCE RESEARCH LABORATORY**
P.O. Box 30
University Park, Pennsylvania

- Opportunities for Graduate Study
- Faculty Appointments for Qualified Applicants
- Excellent Working and Living Conditions

SEND RESUME TO:
ARNOLD ADDISON,
PERSONNEL DIRECTOR

ENGINEER PHYSICIST

Leading electronics manufacturer located in STANFORD INDUSTRIAL PARK on the San Francisco Peninsula has several opportunities for aggressive engineers in its Tube Division.

BS or MS for high vacuum development work. Knowledge of Kinetic theory and familiarity with vacuum techniques essential. Work will include measurements and evaluation of new ultra high vacuum pumps and accessories.

Address resume to: Mr. Kallgren,
Employment Manager

VARIAN ASSOCIATES
611 Hansen Way Palo Alto, California

Gaseous Electronics

SPECIAL sessions on plasma physics and contributed and invited papers on the fundamental physics of gaseous electronics phenomena will comprise the program of the Eleventh Annual Gaseous Electronics Conference to be held October 22-25 at the Barbizon-Plaza Hotel in New York City. Insofar as possible, the plasma physics sessions will be held October 23 at Bell Telephone Laboratories, Murray Hill, N. J. The conference will be jointly sponsored by the American Physical Society's Division of Electron Physics and the Bell Telephone Laboratories. Further inquiries should be directed to the conference secretary, D. J. Rose, Bell Telephone Laboratories, Murray Hill, N. J.

Biology and Computers

ELECTRONIC computers and computer techniques as applied to electrocardiography and electroencephalography and the problem of developing computer applications on the basis of biological coding, biological transducer designs, and biological logic will be the subjects of special sessions to be presented at the Eleventh Annual Conference on Electrical Techniques in Medicine and Biology to be held November 19-21 at the Nicollet Hotel, Minneapolis, Minn. There will also be sessions of contributed papers in other areas of electronics as applied to medicine and biology. 250-word abstracts for contributed papers will be accepted until October 1 and should be sent to Mr. Robert Erskine, Minneapolis Honeywell, 2753 Fourth Ave. South, Minneapolis, Minn., from whom further information is also available.

Western Joint Computer Conference

OPERATION control, information retrieval, pattern analysis, decision making, computer communications, and learning concepts are some of the newer applications of computer techniques to be dealt with during the 1959 Western Joint Computer Conference to be held March 3-5 at the Fairmont Hotel, San Francisco, Calif. The conference is under the joint sponsorship of the Institute of Radio Engineers, the American Institute of Electrical Engineers, and the Association for Computing Machinery and will have for its theme "New Horizons with Computer Technology". Correspondence concerning the conference should be sent to Box 381, Station A, Palo Alto, Calif.

Fifth Nuclear Congress

PRELIMINARY plans have been announced for the Fifth Nuclear Congress to be held April 5-10, 1959 in the Public Auditorium, Cleveland, Ohio. Next year's congress will have as its theme "For Mankind's Progress" and, as in previous years, will consist of three separate conferences and an exhibition of nuclear equipment.

At the Nuclear Engineering and Science Conference