

POSITIONS OPEN

PHYSICS—Several vacancies at various levels in instructional staff. These positions should interest young Ph.D. seeking opportunity for advancement. Holders of M.S. also considered for some positions. Salaries appropriate to qualifications and experience. Opportunity for part-time research available to qualified appointees. Interested persons please contact H. E. Harrington, Head, Physics Department, Oklahoma A. and M. College, Stillwater, Oklahoma.

THE ISRAEL INSTITUTE OF TECHNOLOGY,

Haifa, Proposes appointments to full and Associate Professorships in the following Departments: Experimental Physics; Solid State or Nuclear Physics; Physical Chemistry; Mechanics, Applied; Aerodynamics.

Applicants should have first-rate professional and academic qualifications, be willing to integrate themselves into the life of the country and, in due course, to teach in Hebrew.

Applications with full details should be sent, for transmission to Haifa, to:

**The American Technion Society
1000 Fifth Avenue, New York 28, New York**

PHYSICISTS, SENIOR

Unusual opportunities in fundamental research and development for men with thorough experimental and theoretical background in one or more of the following fields: Electronic physics, electronic optics, physical and geometrical optics, solid state physics, electronic tube development, ultrasonics. Excellent compensation commensurate with experience and ability; work is in Manhattan laboratories of old established electronic organization. Submit resume indicating salary requirements to Director of Research, Freed Electronics and Controls Corporation, 200 Hudson Street, New York 13, N. Y.

RESEARCH ASSISTANTSHIPS

Ph.D. candidates in chemistry and M.S. candidates in chemistry, electrical engineering (Electronics), chemical engineering, physics and geology are wanted by the Institute of Science and Technology, University of Arkansas, Fayetteville, Arkansas.

These positions provide part-time research duties with time for academic work toward advanced degrees. Stipends are up to \$2,150 for 12 months. Nonresident fees are waived.

**W. W. GRIGORIEFF, DIRECTOR
Institute of Science & Technology, University of Arkansas**

ASSISTANT TO MANAGER

Outstanding young graduate mechanical or chemical engineer needed as assistant to manager of rapidly growing heat transfer division. Excellent opportunity for advancement in engineering, sales and administration. Not a "drafting-board" job. Interest in aeronautics, nuclear physics, petro-chemistry or pipe line operation helpful but not essential. Write giving personal and educational qualifications. Upon receipt we will send complete information regarding position, products manufactured, and company financial report.

**THE TRANE COMPANY
Attention: Wm. Dackis
La Crosse, Wisconsin**

Mathematicians' Congress**To be held in Holland Next Year**

The International Congress of Mathematicians will convene in Amsterdam, the Netherlands, from September 2nd to September 9th, 1954, under the auspices of Het Wiskundig Genootschap (the Mathematical Society of the Netherlands). The scientific program will include plenary sessions at which one hour invited addresses will be presented and sectional sessions in algebra and the theory of numbers, analysis, geometry and topology, probability and statistics, mathematical physics and applied mathematics, logic and foundations, and philosophy, history and education. The program of the sectional sessions will include half hour invited addresses and fifteen minute papers contributed by members of the Congress. A number of events, including several excursions, are being planned for entertainment. Inquiries concerning the Congress should be addressed to the Secretariat, International Congress of Mathematicians 1954, 2d Boerhaavestraat 49, Amsterdam, The Netherlands.

Nuclear Engineering**Berkeley Conference in September**

A three-day conference on nuclear engineering is to be held September 9-11 at the University of California at Berkeley. It is expected that the program will feature economic studies of nuclear power plants from a technical and engineering point of view, reactor technology, isotope production and separation, and isotope applications. The conference will be presented by the University's Departments of Engineering at Berkeley and Los Angeles, in cooperation with California sections of the American Institute of Chemical Engineers, American Institute of Electrical Engineers, American Society of Metals, and American Society of Mechanical Engineers. Further information can be obtained by writing to Professor R. A. Fayram, 208 Mechanics Building, University of California, Berkeley 4, California. Paper-bound sets of preprints (about 300 pages each) will be available at the conference for \$4 and thereafter for \$5.

Solar Energy**Wisconsin Conference in September**

Last fall a conference, supported in part by the National Science Foundation, was held at Gatlinburg, Tennessee, on solar energy utilization by biological methods, including research on photosynthesis. A second conference will be held September 12-14 at the University of Wisconsin which will be concerned with other aspects of solar energy utilization. The Wisconsin conference (supported by a \$6000 NSF grant) will bring together about 30 physical scientists and engineers from the United States and abroad to assess present knowledge of solar energy utilization and to point out needed areas for basic research in the physical and engineering sciences. In this way it is believed that additional re-

search in the field will be stimulated. The world's energy supply from fossil fuels such as coal, oil, and natural gas is limited and in some regions nonexistent. Effective conversion of solar energy into readily usable forms of heat, light, and power would solve the problem of diminishing fuels for an indefinite period. Subjects to be discussed will include: conversion of solar energy into other energy forms, such as electricity and heat; storage of solar energy in various ways including chemical reactions; and use of fluid-solid phase changes and crystal alterations as mechanisms for energy storing. The findings and recommendations of the conference will be published and given wide circulation among scientists and engineers. Responsibility for planning the conference is in the hands of a committee under the chairmanship of Farrington Daniels, professor of physical chemistry at the University of Wisconsin, Madison, Wisconsin.

Society of Rheology

Annual Meeting Announced

The Annual Meeting of the Society of Rheology will be held at the Hotel New Yorker, New York City, October 29th and 30th, 1953. The Program Committee invites contributions from members of the Society and from others who are interested in rheology. Papers on fundamental studies of flow, plasticity, elasticity, and viscoelastic phenomena are among those which are appropriate, as are contributions dealing with practical applications of rheology, and those describing pertinent instrumentation. The Program Committee feels that a desirable subject for one session of the meeting would be a consideration of fatigue in various materials. It is felt that if common aspects of this subject can be developed, the results may be helpful and stimulating to investigators who are working in apparently unrelated fields.

Correspondence concerning papers should be sent to John H. Elliott, Chairman, Society of Rheology Program Committee, Hercules Experiment Station, Wilmington, Delaware. Papers presented before the Society of Rheology generally require 20 to 30 minutes for presentation, and approximately 15 minutes is provided for discussion. These times, however, are only to be considered as a guide for prospective authors, as considerable flexibility is possible. Three copies of a brief abstract should be received by August 15th so that it may be included in the program for the meeting.

Papers presented at the meeting are generally published as a group in the *Journal of Applied Physics*. In order to avoid delays in publication, authors are requested to submit three copies of their manuscript before September 1st, if possible. Publication in the Rheology Issue of the *Journal of Applied Physics* is not mandatory, however, since authors may have a prior commitment to publish elsewhere, and in some cases may not wish to publish (for example, if the paper is of a review nature).

PRECISION POWER SUPPLIES



Model 300	500 to 1600 volts d.c.
Model 301	1000 to 5100 volts d.c.
Output Current	0 to 1 ma continuous
Regulation	0.01% per hour, 0.1% per day
Polarity	Specify
Noise and Ripple	Less than 0.01%

BEVA LABORATORY

P.O. BOX 478
TRENTON, NEW JERSEY

WILLIAM W. EATON

*Industrial Consultant
Engineering and Applied Physics*

60 EAST 42nd STREET
NEW YORK 17, N. Y.

Murray Hill 2-2351

IF YOU CAN USE

Sophisticated Highly-Technical Development
or Engineering Work Done Outside Your Organization in
Fields of Nucleonics, Control or what have you Write This
Former Research Supervisor, Box 753, 57 East 55 Street,
New York 22, New York.

A. JAEGER'S

Offers 35 years Experience

MANUFACTURE OF PRECISION OPTICS

We have millions of war surplus lenses and prisms in stock.
Send for catalogue

691-T Merrick Road

Lynbrook, N. Y.

FOR SALE

INFRARED TELESCOPE

U. S. Navy surplus, type US/C3
Made by RCA—Model M1-2558

6 available in good condition

A COTTONE & CO.

340 Canal St., New York 13, N. Y.