#### 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.

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# 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

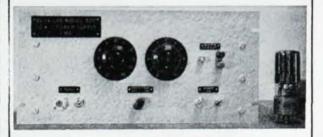
## Annual Meeting Announced

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

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).

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