

MICROWAVE

PHYSICISTS and ENGINEERS

Groups are now being formed for long-range research and development in the fields of Microwave Circuitry, Components and Techniques creating new positions for experimental and theoretical Physicists and Engineers.

Specific openings are available for: Investigations of new-type ANTENNAS for precision high-frequency radar systems; application of FERRITES; advancement of modern techniques such as stripline, ridge guide, etc., in mm Microwave CIRCUITRY; and fundamental research and development in traveling wave and other Microwave TUBES.

Positions are open at all levels, and excellent opportunities for advancement and advanced study are offered. Salaries are commensurate with experience and educational level.

For further information please contact:

Personnel Director
BENDIX AVIATION CORPORATION
 Research Laboratories Division
 4855 Fourth Avenue, Detroit 1, Michigan

POSITIONS OPEN

PHILLIPS PETROLEUM COMPANY
 Atomic Energy Division
 Idaho Falls, Idaho

Physicists and Engineers for theoretical and experimental work on reactor transients at National Reactor Testing Station in Idaho. Excellent opportunity for interesting and fundamental investigation in the field of reactor development.

If interested, write to Warren Nyer, Phillips Petroleum Company, Box 1259, Idaho Falls, Idaho.

POSITIONS OPEN

FACULTY POSITION, Teaching, research (Solid State Physics), salary, rank, dependent upon qualifications.

GRADUATE ASSISTANTSHIPS (Teaching, research, or combination—Solid State Physics) leading toward MS. Out-of-State tuition waived, \$1600–\$1800 for 12 months. Z. V. Harvalik, Physics Dept., University of Arkansas, Fayetteville, Arkansas.

HELP WANTED

Opportunities for Applied Physicists in the fields of Optics and Electronics, at the University of California. Experience in the design of optical-mechanical systems is especially desirable. Physicists and engineers are also needed to develop complete instrument systems. Write, with a statement of qualifications, to Assistant Director, Visibility Laboratory, Scripps Institution of Oceanography, University of California, San Diego 52, California.

to papers on the rheology of polymeric materials. The other two sessions, on Thursday and Friday afternoons, will include papers on hypoelasticity, fracture of viscoelastic liquids, determination of dispersion structure by viscometry, and other subjects. As in the past, non-members are welcome to the meeting. Complete programs are available from F. D. Dexter, Bakelite Company, Bound Brook, New Jersey.

Scatter Techniques

A symposium on communication by scatter techniques, embracing various theoretical and experimental studies of beyond-the-horizon transmission of vhf and uhf radio signals, will be held November 14–15 in Washington, D. C., under the joint sponsorship of the Institute of Radio Engineers Professional Group on Antennas and Propagation, the Professional Group on Communication Systems, and George Washington University. The technical program, to be held in Lisner Hall at George Washington University, will include discussions by authorities in the fields of auroral, tropospheric, ionospheric, and meteoric ionization propagation in a session on propagation mechanisms. Later sessions will hear from experts in communication systems, antennas, and propagation studies. On the evening of November 14th, Allen B. Dumont will address a combined meeting of symposium visitors and the Washington Section of IRE on commercial aspects of the symposium topic. Advance registration may be made by mailing a check for \$2.50 to Scatter Symposium, George Washington University, School of Engineering, Washington 6, D. C., prior to October 31st, giving a return address.

Low-Temperature Conference

A Conference on Low-Temperature Physics and Chemistry is to be held under the auspices of the National Science Foundation and the Louisiana State University at LSU, Baton Rouge, Louisiana, on December 28, 29, and 30, 1955. The members of the steering committee for the conference are: F. G. Brickwedde, S. C. Collins, J. G. Daunt (chairman), E. A. Long, J. H. McMillen (NSF representative), J. M. Reynolds (LSU representative), and C. F. Squire. The topics for discussion will include, but will not be confined to (a) liquid and solid helium (3 and 4), (b) superconductivity, (c) ionic and nuclear paramagnetism and magnetic cooling, (d) electronic and thermal properties, etc., of metals at low temperatures. Those wishing to attend and/or read a paper should write to Dr. J. M. Reynolds, Department of Physics, Louisiana State University, Baton Rouge, Louisiana. The deadline for submission of abstracts of papers to be included in the conference is October 28th. Contributions should be as brief as possible and should be descriptions of work in progress rather than surveys of particular fields. A program, including abstracts of papers, will be distributed to the participants before the conference.