

CREATIVE SCIENTISTS

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in
Physical Sciences

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- Physical Metallurgy
- Solid State Physics
- Technical Ceramics

RESUMES INVITED

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PHD PHYSICIST *immediate*

Position requires establishing and conducting experimental program in low temperature fields of superconductivity, electron tunneling in thin films, magnetic and other low temperature properties of their metallic films for application in aeronautics, astronautics, automation and electronics.

Candidate should have a Ph.D. in Physics with at least two years experimental work in low temperature physics achieved after doctoral degree or during graduate study.

To learn more about this unusual opportunity direct inquiry to: Mr. D. F. Waters, Supervisor Engineering Employment, Dept. 62SS.

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Research, and the Army Research Office will act as co-sponsors.

The "quasi-optical" phenomena to be discussed are expected to cover an operating range extending from low-frequency propagation and diffraction in the earth-ionosphere waveguide through propagation in and above the microwave region, particularly the millimeter, to the infrared. Specific subject areas will include propagation and diffraction in homogeneous, inhomogeneous, or anisotropic regions, radar cross sections, radar astronomy, antennas, guided wave transmission, components and devices, lasers and coherence, novel millimeter and submillimeter wave-generation techniques, etc. Emphasis will be placed on theoretical and experimental procedures.

Contributed papers (deadline December 31) and all correspondence should be sent to Jerome Fox, Symposium Committee, Polytechnic Institute of Brooklyn, 55 Johnson Street, Brooklyn 1, N. Y.

Electron Microscopy

The third regional European conference on electron microscopy will be held next year from August 26 to September 3 in Prague. The 1964 meeting is being organized by the Czech National Committee for Electron Microscopy under the auspices of the International Federation of Societies for Electron Microscopy. The physics and construction of microscopes and applications in biology, medicine, chemistry, and technology will be discussed. Also planned are sessions on electron diffraction and interferometry, ion emission, x-ray microscopy, and other related fields.

All correspondence should be sent to the Conference Organizing Committee, Albertov 4, Prague 2, Czechoslovakia.

Low Pressure

England's National Physical Laboratory and Institute of Physics and Physical Society will join in sponsoring a conference on fundamental problems of low-pressure measurements to be held at the National Physical Laboratory in Teddington from September 23 to 25, 1964.

Topics to be discussed will include (1) accuracy requirements, (2) new developments in vacuum gauges, including ultra-high vacuum gauges, (3) measurement of partial pressures, (4) recent developments in measurements in the range below and adjacent to atmospheric pressure, (5) modern trends in vacuum gauge calibration, and (6) physical applications to adsorption phenomena, study of vapor pressure, upper-atmospheric research, etc.

In addition to a number of invited papers on recent work in the field, 15-minute contributed papers will also be included in the program. One-hundred-word abstracts (due by November 30) should be sent to Mr. R. S. Dadson, Standards Division, National Physical Laboratory, Teddington, Middlesex, England.