

POSITIONS OPEN

MANAGER

A Ph.D. physicist with 2-5 years experience is required to manage an applied research department doing work on semi-conductors, dielectrics and the mechanical properties of pure materials. This work is closely integrated into a strong corporate research effort and is part of the well established Research and Development Division. Solid state experience would be most helpful in the assumption of broad responsibility for this group. *Send full particulars to:*

Mr. H. A. Pilkey

THE CARBORUNDUM COMPANY
Niagara Falls, New York

SCIENTIFIC LIAISON: New position for experienced PhD (Physics or EE) to establish and maintain strong scientific liaison with universities and professional societies, and to consult with management on scientific and engineering manpower planning, professional employee relations and technical publications. Responsibilities include formulating policies and planning programs of educational fellowships, cooperative and graduate study programs.

This position is on the Corporate Engineering and Research Staff of a long established major electronics concern on the East Coast. The position will carry a sufficiently attractive salary to interest a discriminating scientist. Reply in confidence to Box 1060-A, Physics Today, 335 East 45th St., New York 17, N. Y.

OPPORTUNITIES IN PETROLEUM PRODUCTION RESEARCH for

Petroleum Engineers

Chemical Engineers

Physicists

Physical Chemists

with advanced degrees

Experimental and Theoretical Studies

**SINCLAIR RESEARCH LABORATORIES,
INC.**

P. O. Box 3006

Tulsa, Oklahoma

TECHNICAL MEASUREMENTS SUPERVISOR

Excellent opportunity to do measurements control and development work at pilot plant level, in a stable industry. Work entails improvement and development of new physical testing procedures. Experimental or engineering physicist preferred.

Direct replies to:

P.O. Box 637,

Niagara Falls, N. Y.

is serving as deputy chairman. Other members are Richard H. Bolt (National Science Foundation), Frank Brink, Jr. (The Rockefeller Institute), Kenneth S. Cole and Urner Liddel (National Institutes of Health), Alexander Hollaender (Oak Ridge National Laboratory), Walter A. Rosenblith (Massachusetts Institute of Technology), and H. Burr Steinbach (University of Chicago).

Magnetism and Electron and Neutron Diffraction

IN late September, 1961, an International Conference on Magnetism to be sponsored by the International Union of Pure and Applied Physics and an International Symposium on Electron and Neutron Diffraction to be sponsored by the International Union of Crystallography will be held jointly at the Kyoto Kaikan Assembly Center, Kyoto, by invitation of the Science Council of Japan, the Physical Society of Japan, and the Crystallographic Society of Japan.

The International Conference on Magnetism, constituting Part I of the joint meeting, will be one of the regular conferences on magnetism promoted by IUPAP's Subcommission on Magnetism. The program will cover a variety of topics, including the following: theories of magnetism, magnetic properties of oxides and other compounds, magnetic properties of metals and alloys, crystalline anisotropy and induced anisotropy, domain structure and magnetization processes, relaxation phenomena in magnetization processes, thin films and fine particles, magnetic resonance, magnetism at very low temperatures, neutron diffraction by magnetic materials, and physical problems of rock magnetism.

Part II, The International Symposium on Electron and Neutron Diffraction, is being supported by IUCr's Commission on Electron Diffraction. It will deal with methods, phenomena, and important applications of electron diffraction and neutron diffraction including (a) Electron Diffraction: electron diffraction by gases; structure analysis; dynamical scattering, thermal scattering, inelastic scattering, and energy analysis; diffraction effects in electron micrographs including diffraction by crystal imperfections; and applications and techniques; and (b) Neutron Diffraction: apparatus and techniques; neutron-diffraction physics including inelastic scattering, magnetic scattering, extinction, dispersion, etc.; and structure analysis.

Parts I and II will take place at the same time, but the program will be so arranged as to amalgamate both parts for papers on magnetic scattering of neutrons. The conference will be open to scientists who are interested in the above-mentioned topics.

Details of the conference including information about the presentation of papers, excursions, accommodations, and travel can be obtained as they become available from Prof. T. Nagamiya (Chairman, Subcommittee for Part I) or Prof. S. Miyake (Chairman, Subcommittee for Part II), Organizing Committee of the International Conference on Magnetism and Crystallography, Science Council of Japan, Ueno Park, Tokyo, Japan.