

SOLID STATE PHYSICIST

To conduct theoretical and experimental studies of materials and their relationship to advanced electro-optics devices. Requires three years' experience beyond the Ph.D., or an equivalent combination of education and experience. Must be able to work independently.

Applicants are invited to direct resumes in confidence to Mr. Floyd A. Hargiss.

THE MARQUARDT CORPORATION

16555 Saticoy Street
Van Nuys, California

U. S. Citizenship Required

An Equal Opportunity Employer

MEN WANTED FOR ANTARCTIC DUTY

Physicists and electronic engineers experienced with complicated electro-mechanical and electronic systems and interested in investigating the electro-magnetic environment of the earth are invited to apply for 12 months' duty at isolated bases in ANTARCTICA. Must be physically fit, temperamentally adaptable to the conditions of ANTARCTIC service, and able to be away from home for 12 to 18 months. Salary range from \$7,000 to \$12,000 depending upon experience and capability. Reporting date, Boulder, Colorado, July 1, 1964. Send one page resume or completed form SF-57 available at Post Offices to: PERSONNEL OFFICER, NATIONAL BUREAU OF STANDARDS, BOULDER LABORATORIES, BOULDER, COLORADO.

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week plus dependency and travel allowances. Pre-doctoral participants can apply for \$50 per week stipends plus a travel allowance. A letter of application with transcripts, biography, and one or two letters of recommendation should be sent to the director, Dr. William Mueller, chairman, Department of Metallurgy, University of Denver, Denver, Colo.

Pennsylvania State University is offering a course from June 22 to July 3 in inorganic materials preparation and characterization. The course is designed as an integrated presentation of the principles of solid-state chemistry, appropriate to predicting, synthesizing, and preparing a desired or a new material, and its detailed characterization. Emphasis will be on high band gaps materials-oxides, halides, sulfides, etc. Rustum Roy, director of the Materials Research Laboratory at Penn State, will head the faculty. Additional information can be obtained by writing Pennsylvania State University, Conference Center, University Park, Pa. 16802.

A communication sciences seminar in hearing, sponsored by the Vocational Rehabilitation Administration, will be held during June 8-20 at the University of Florida in Gainesville. Under the direction of Dr. Paul Moore, the meeting will provide an intensive training program in audition for individuals who have completed advanced academic training and who show high research potential. Current knowledge and concepts, research design, and methodology will be stressed. Twenty-three VRA traineeships and twelve Communication Sciences Laboratory scholarships will be available for qualified students. For further information, write to Dr. Donald Dew, Seminar Coordinator, Communication Sciences Laboratory, University of Florida, Gainesville, Fla.

A summer conference on the teaching of relativity at the undergraduate level will be held between June 15 and July 3 at Arlington State College in northern Texas. It is intended for college teachers interested in the basic ideas and principles of special and general relativity and their in-

corporation into physics, mathematics, and engineering courses. The program will consist of lectures, discussions, problems, projects, and possibly some experimental work. Most of the lectures will be given by members or visiting members of the Southwest Center for Advanced Studies in Dallas, including Michel Cahen, Wolfgang Ridler, Ivor Robinson, and Joseph Weinberg. There will be stipends and travel allowances for the participants. A selected group of participants will act as discussion leaders and assistants at the conference, and these will attend a one-week preliminary conference starting June 8.

Further information should be requested immediately from the conference director, Dr. Jason Ellis, Department of Physics, Arlington State College, Arlington, Texas.

Fairleigh Dickinson's Thermoanalysis Institute will again be held this year on the Florham-Madison campus in Madison, N. J. This Institute is a two-session program of intensive instruction in the theory, methodology, and application of thermoanalytical techniques to various areas of physicochemical research. The introductory session, June 8-12, will provide background and laboratory experience with such techniques as thermogravimetry, differential thermoanalysis, effluent gas analysis, and differential scanning calorimetry. The second part, June 15-17, is an advanced session for those wishing to learn about the more recent developments in the field. Further information can be obtained from Dr. Saul Gordon, Thermoanalysis Institute, Fairleigh Dickinson University, Madison, N. J.

Honors Program

McGill University in Montreal has initiated a course leading to the BS degree, with honors, in crystallography. At the graduate level a program in crystallography, similar to those in US universities, is also being instituted at the university under the guidance of a committee consisting of faculty members in physics, chemistry, geology, and, in some cases, biology. The program will lead to the MA or PhD degrees in crystallography.