

EXPERIMENTAL PHYSICIST or Research Engineer

Recently Formed Long Island Research Group Offers a Unique Opportunity for an MS or PhD Interested in Working On Projects involving the Interaction of Electromagnetic Waves with Plasmas. Must be able to Conduct and Design Experiments initiated by Theoretical Investigation. Background should include Knowledge of one or more of the following:

- (1) MICROWAVE PRACTICE
- (2) PLASMA PHYSICS
- (3) GAS DYNAMICS AND IONIZATION PHENOMENA
- (4) ATMOSPHERE PHYSICS

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Microwave Plasma Generation Electromagnetic Wave Propagation

ASTRO—Research Division of The Marquardt Corporation—is offering challenging and highly rewarding opportunities to creative engineers. An important immediate opening exists for an experienced plasma physicist or electromagnetic theory specialist.

His work will involve research effort in space energy conversion and space electronics; electron optics, magnetic focusing, dynamics of electron beams and plasmas—or modes of wave propagation in electronic waveguides, interaction of electromagnetic waves and electron beams with electrostatic focusing. Level of position requires advanced education in Electrical Engineering or Physics with 3 to 5 years specialized service.

Send resume in confidence to:
Floyd Hargiss, Manager, Professional Personnel
16555 Saticoy Street, Van Nuys, California

THE *Marquardt*

Corporate offices: Van Nuys, California CORPORATION
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and Ogden, Utah

Meetings

APS New York State Section

MODERN advances in radio astronomy will be reviewed in a series of invited papers to be presented at the 1960 spring meeting of the New York State Section of the American Physical Society, which will take place on April 22 and 23 with Colgate University (Hamilton, N. Y.) serving as the host institution.

The program will include papers on such topics as radio emission from the planets, the characteristics of solar radio emission and cosmic radio radiation, modern theory of the origin of galactic radio noise, and the use of masers in radio astronomy. In addition, there will be descriptions of the scientific program for the 600-foot radio telescope at Sugar Grove, W. Va., and of the programs at Rensselaer Polytechnic Institute and Cornell University. There will also be a demonstration of detectors in use prior to 1910.

The list of scheduled speakers includes E. G. Brock, G. R. Burbidge, B. F. Burke, M. Cohen, B. F. C. Cooper, F. D. Drake, R. Fleischer, F. T. Haddock, H. L. Helfer, H. C. Ko, A. E. Lilley, and E. F. McClain.

Persons wishing to obtain further information on the meeting should contact the secretary-treasurer of the Section, Dr. O. E. Miller, Building 65, 1669 Lake Avenue, Rochester 4, N. Y.

Microscopy

SHORT papers on instrumentation, methods and techniques, and applications in all fields of light, electron, and x-ray microscopy are being solicited for presentation at the 1960 National Microscopy Symposium, which is to be held June 13-15 at the Del Prado Hotel in Chicago under the sponsorship of Walter C. McCrone Associates. This year's program will emphasize the microscope as a tool in all sciences. As in the case of previous such meetings, informality and audience participation are expected to prevail and it is planned that the short formal presentations will be woven into the discussion by a panel of experts conducting the sessions. Persons desiring further information or wishing to participate in the symposium should write to Walter C. McCrone Associates, 501 East 32nd Street, Chicago 16, Ill.

Spectroscopy

SEMINARS, problem clinics, and original papers in the fields of infrared, ultraviolet, x-ray fluorescence, optical emission, and flame spectrophotometry will make