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Sylvania's Research Laboratory on Long Island offers exceptional opportunities to Ph.D. or equivalent to take charge of X-Ray group doing basic and applied research with X-Ray diffraction and fluorescent X-Ray spectroscopy. Principal emphasis is on non-ferrous metallurgical applications with some effort directed to the study of ceramics and phosphors. Skills should include experimental techniques for determining crystal structures, crystallite sizes, preferred orientation textures, degrees of crystal perfection. Some knowledge of X-Ray spectroscopy desirable. Salary commensurate with qualifications. Excellent employee benefits available.

For confidential interview,
Write Charles F. Tufts



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with competence in electronic circuitry, or with radar experience, are required on the research and development staff of Paul Rosenberg Associates.

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TEXTILE RESEARCH INSTITUTE requires services of physicist or physical chemist with M.S. or Ph.D. for its program of fundamental research on the relations between fiber molecular structure and mechanical properties. Academic environment and opportunity to publish original work. Send replies, which will be held confidential, with brief resume to Director, Textile Research Institute, Princeton, New Jersey.

(a) COLLEGE TEACHER: (starting September 1957). 1st choice, experimental physicist with Ph.D. to teach graduate as well as undergraduate courses. 2nd choice, chemist with minimum of Master's degree to teach principally elementary sections. (b) PHYSICS TECHNICIAN: (starting July or September 1957). To maintain and build physics equipment. Preferably experienced in metal and wood working, glass blowing, and (or) electronics. Beginning salaries for above depend on training and experience. Send complete resume to H. W. Gould, Northern Illinois State College, DeKalb, Illinois.

Teaching Position open Physics Department, Assistant Professor or higher dependent upon qualifications; begins September, 1957. Apply Executive Dean, Fresno State College, Fresno, California.

rected toward those specifically interested in the various forms of nearly pure silica. Inquiries regarding the program should be sent to Alvin J. Cohen, Mellon Institute, 4400 Fifth Avenue, Pittsburgh 13, Pa.

Contemporary Physics

THE nineteenth annual Colloquium of College Physicists will occur at the State University of Iowa on June 12-15. The program will consist of lectures by prominent physicists on developments in contemporary physics and of round table discussions on the teaching of physics and on other current problems of the profession. One evening will be devoted to the exhibit of original demonstration equipment and other teaching devices, and of recent publications. The four associated June lectures will be given by R. P. Feynman of the California Institute of Technology. Registration is without fee and will begin on Wednesday morning, June 12. For other information, contact Dr. J. A. Van Allen, Department of Physics, State University of Iowa, Iowa City, Iowa.

Ionization Phenomena in Gases

CONTINUING the series of conferences initiated by A. von Engel at Oxford in 1953 and followed up by A. B. Dorgelo at Delft in 1955, the Italian Physical Society is organizing the Third International Conference on Ionization Phenomena in Gases, which is to be held June 11-15, 1957, in the building of the "Fondazione G. Cini" in Venice. The program will be divided into the following four general sections, each of which will include survey papers and short communications:

1. Fundamental processes in ionized gases.
2. Mechanism and properties of various types of discharges.
3. Nuclear reactions in discharges; contraction mechanisms, neutron production, etc.
4. Technical and instrumental questions; applications.

English will be the preferred language of the Conference. The proceedings will be published in the *Supplemento di Il Nuovo Cimento*. It is understood that invitations to attend the Conference have been accepted by:

H. Alfven (Stockholm), W. P. Allis (Cambridge, Mass.), D. Alpert (Pittsburgh), E. Amaldi (Roma), L. A. Arzimovic (Moscow), C. Bernardini (Roma), A. L. Boers (Amsterdam), G. Bolla (Milano), L. Branscomb (Washington), D. Brini (Bologna), S. C. Brown (Cambridge, Mass.), B. Brunelli (Roma), P. Caldirola (Milano), C. Cassignol (Saclay), L. Colli (Milano), M. Conversi (Pisa), J. D. Craggs (Liverpool), C. Della Pergola (Roma), H. B. Dorgelo (Eindhoven), J. Druaux (Saclay), J. Dutton (Swansea), G. Ecker (Bonn), W. Elenbaas (Eindhoven), K. G. Emelous (Belfast), H. Faraggi (Saclay), W. Finkelburg (Erlangen), L. H. Fisher (New York), G. Francini (Roma), W. Fucks (Aachen), S. Gallone (Milano), E. Gatti (Milano), A. Gilardini (Roma), L. Goldstein (Urbana), V. Gori (Roma), L. R. Griffin (Swansea), N. Herlofson