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or

Mr. John R. Parks, Research Physicist
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Glenn L. Martin Co., the colloquium has been organized to appeal to research scientists and engineers working on radiation effects and the development and application of nuclear reactors. A series of invited papers will review current concepts and experimental techniques and will cover radiation-induced changes in the properties of both organic and inorganic materials, including various metals and alloys and such specific items as semiconductors, dielectric materials, and reactor components. Registration and information desks for the Colloquium on Radiation Effects on Materials will be located at Shriver Hall and at the Lord Baltimore and Sheraton-Belvedere Hotels. Bus transportation will be provided between The Johns Hopkins campus and the downtown Baltimore hotels. Further information may be obtained from Dr. J. G. Morse, Nuclear Division, Mail #711, Glenn L. Martin Co., Baltimore 3, Md., or from Mr. J. J. Harwood, Metallurgy Branch, Office of Naval Research, Navy Department, Washington 25, D. C.

THE annual meeting of the Radiation Research Society will be held May 13-15 in Rochester, N. Y. In addition to submitted papers, there will be two symposia: one concerned with radiation genetics and the other with radiation chemistry. There will also be a series of invited lectures. Those desiring to report original research on radiation effects, or interested in other information about the meeting, should contact the Secretary of the Society, Dr. A. Edelman, Nuclear Science and Engineering Corp., P. O. Box 10901, Pittsburgh 36, Pa.

Nuclear Technology

ARMOUR Research Foundation and *Nucleonics* Magazine are joint sponsors of an Industrial Nuclear Technology Conference which will take place May 14-16 at the Museum of Science and Industry in Chicago. The first such conference was held last year. The opening sessions, on Tuesday, May 14, "will be tutorial in nature, aimed at orienting industry to the nuclear field. The next two days will include high-level technical information of current interest, presented in contributed and invited papers." For additional information, write to Dr. Leonard Reiffel, Armour Research Foundation, 10 West 35th Street, Chicago 16, Ill.

Defect Structure of Silicas

MELLON Institute is sponsoring a Symposium on the Defect Structure of Quartz and Glassy Silica to be held in Pittsburgh on May 22 and 23. The program will include sixteen papers on such topics as color centers; effects of gamma, reactor, and x-ray radiation; effects of impurities; effect of these on mechanical properties; and nuclear and electronic magnetic resonance of irradiated quartz and silica. There will be a panel discussion on color centers. The symposium is di-

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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. Emelcus (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