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APPLIED PHYSICISTS

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ARNOLD ADDISON,
PERSONNEL DIRECTOR

PHYSICISTS and MATHEMATICIANS

ALLIS-CHALMERS has the following openings in the Nuclear Power Division:

REACTOR PHYSICISTS:

to perform reactor statics and kinetics analysis

EXPERIMENTAL PHYSICISTS:

to plan, perform and analyze experiments in the Allis-Chalmers Critical Facility

MATHEMATICIANS:

to do mathematical analysis and programming for digital and analog computers

An advanced degree or related experience is desirable.

Contact Mr. M. C. Rohm
Employment Section, Allis-Chalmers Mfg. Co.
Milwaukee 1, Wisconsin

An advanced home-study course in nuclear engineering will be offered this fall by CREI Atomics, Inc., a newly formed subsidiary of the Capitol Radio Engineering Institute of Washington, D. C. The Institute offers college-level electronics courses (accredited by the Engineers' Council for Professional Development) and awards the degree of Associate in Applied Science to resident graduates as well as conducting extension courses for industrial and governmental groups in the Washington, D. C., area. The nuclear engineering course is intended specifically for engineering and technical personnel in industry, government, and the military services who plan to enter the atomic energy field.

A program leading to the PhD degree in physics is to be established at St. John's University of Brooklyn, N. Y., starting with the fall semester. The beginning of the expanded graduate program will coincide with the opening of St. John's \$4.25 million Science-Pharmacy Hall now under construction at the University's Long Island Division in Jamaica, N. Y. The school has also announced that all graduate physics courses will be given in the new science building in the evening to meet the needs of those holding full-time positions. S. Nevil Milford is chairman of St. John's Graduate School Department of Physics.

Robert L. Boyer, formerly a physicist with the US Bureau of Mines in Pittsburgh, Pa., died on January 22 after an extended illness. His age was 47. Mr. Boyer, who was born in Elizabethville, Pa., graduated from Ursinus College in 1930 and received his master's degree in 1932 from Lafayette College, where he was an instructor in physics. He joined the physics staff of the US Bureau of Mines in Pittsburgh in 1937 and remained there until 1945 when he became a research physicist with the Gulf Research and Development Co. In 1947 he rejoined the Bureau of Mines. Mr. Boyer was a member of the American Physical Society.

D. L. Chapman, the Chapman of the "Chapman-Jouguet conditions" familiar to those working in gas dynamics, died on January 17th at the age of 88. Prior to his retirement 14 years ago he had been in charge of a laboratory for the teaching of chemistry at Jesus College, Oxford, where he had mainly been occupied in photochemical studies extending over a period of four decades. Still earlier, he had served as a lecturer in chemistry under H. B. Dixon at the University of Manchester, and in 1899 he submitted to the *Philosophical Magazine* a mathematical interpretation of detonation velocities in gases as measured by Dixon. Subsequently Jouguet provided reinforcing maximum explosion-rate results that led historically to his name being linked with Chapman's in their theoretical elaboration of the Hugoniot description of detonation-wave characteristics. Chapman was involved during World War II in the British atomic energy program, and following his retirement lived in East Oxford. He was a Fellow of the Royal Society.