graduates, for research in nuclear physics and acoustics, and for postgraduate teaching and research in theoretical physics, the Chadwick Laboratory replaces the 56-year-old George Holt Physics Laboratory.

On July 1, the space flight development facilities of the Army Ballistic Missile Agency, Huntsville, Ala., formally became the George C. Marshall Space Flight Center of the National Aeronautics and Space Administration. Wernher von Braun will continue to serve as director. A few weeks earlier, the Center's Computation Laboratory dedicated the first of a pair of IBM 7090 computers which will be used initially for work on Project Saturn.

MB Electronics, a Division of Textron Electronics, Inc., located in New Haven, Conn., has established a laboratory for calibrating and certifying transducers for use in determining vibration acceleration levels in research, design, development and performance test programs in the aircraft, missile, and related industries.

Lockheed has dedicated a new $155 000 avionics laboratory at its Marietta (Ga.) plant for research, development, and testing of antennas, radomes, electronic transmission lines, and components for high-speed and special mission aircraft.

Convair Division of General Dynamics Corporation plans to construct a space radiation research facility in San Diego to study radiation effects on electronic components and on guidance and control systems for nuclear propelled vehicles. A 3-Mev electron/ion accelerator, to be designed and constructed by Radiation Dynamics, Inc., Westbury, N. Y., will be used as a radiation source. A. E. S. Green, chief of physics for Convair-San Diego, is responsible for the program. The accelerator, which will also be available for other areas of research of interest to the physics staff at Convair, will be installed next March.

Dynatom, a new company which will design, build, and market nuclear reactors in France and the French Commonwealth, has been formed jointly by North American Aviation, Inc., Société Alsacienne de Constructions Mécaniques, and Chantiers de l'Atlantique (Penhoet-Loire). Vice Admiral d'Escadre Joseph-Auguste Laurin has been named president of Dynatom and Roger Julia, director general of SACM, was designated as deputy to the president and as vice president of Dynatom. Robert L. Loftness, formerly manager of applications engineering for North American's Atomics International Division, has been named commercial director of the new firm and will have his office in Paris.

Awards

Five recipients of the first Ernest Orlando Lawrence Memorial Award were honored by the Atomic Energy Commission in presentation ceremonies held June 27 at AEC Headquarters in Germantown, Md. They are Harvey Brooks, dean of engineering and applied physics at Harvard University; John S. Foster, Jr., and Isadore Perlman, associate directors of the Lawrence

Radiation Laboratory; Norman F. Ramsey, Jr., professor of physics at Harvard; and Alvin M. Weinberg, director of the Oak Ridge National Laboratory. The award was established by the AEC last December in memory of Nobel Laureate E. O. Lawrence, who died two years ago. Presented upon the recommendation of the Commission's General Advisory Committee and with the approval of the President, it is bestowed for "recent especially meritorious contributions to the development, use, or control of atomic energy in areas of all the sciences related to atomic energy, including medicine and engineering". The award may be made to not more than five recipients in any one year in the amount of not less than $5000 each, but not necessarily every year. It is to be presented in the spring of the year to US citizens who are not more than 45 years of age.

During its Medal Day ceremonies on October 19, the Franklin Institute will award Elliott Cresson Medals to Hugh L. Dryden, deputy administrator of the National Aeronautics and Space Administration, and A. Nadai of Pittsburgh, retired consultant to the Westinghouse Research Laboratories. The Cresson Medal is awarded annually to one or more persons for "discovery or original research adding to the sum of human knowledge". Dr. Dryden will be cited for "his many scientific and practical contributions to the theory and application of aerodynamics . . . and for his guidance of and personal contributions to the design and development of the world's first automatic radar homing guided missile". Dr. Nadai is being recognized for "his pioneering work in the field of elasticity of materials and in plastic flow through many research contributions, for important educational activities, and for his authoritative treatises".

Winners of this year's awards for the best essays on gravity have been announced by the Gravity Research Foundation, New Boston, N. H. The first prize ($1000) was awarded to Lloyd Motz of Columbia University's Rutherford Observatory for a paper entitled "Gravity and the Nature of Fundamental Particles". The second award ($300) went to Banesh Hoffmann of Queens College for his essay on "The Importance of the Noon-Midnight Red Shift". The third prize ($200) was won by F. J. Belinfante of Purdue University for his paper "On the Question Whether Fast Motion or Fast Rotation or Vibration of an Object Can Decrease the Effect of Gravity on It"; the fourth ($150) by W. F. G. Swann, director emeritus of the Bartol Research Foundation, for a paper entitled "Can There be a Shield for Gravitation?"; and the fifth ($100) by Charles J. Lyon of Dartmouth College for the theme "Plant Form and Function Depend Greatly on Gravity". Honorable mention awards went to Bryce S. DeWitt of The University of North Carolina for an essay on "Gravitational Research: The Coming Decade" and John O. Stoner, Jr., of the Palmer Physical Laboratory, Princeton, for a paper on "Generation and Detection of Gravitational Radiation".