Research Reactors Abroad

General Electric's Atomic Power Equipment Division will manufacture and supervise installation of a 3000-kilowatt research reactor in the Moncloa area near Madrid for the Junta de Energia Nuclear, Spain's Nuclear Energy Commission. The reactor, fueled with enriched uranium, will be used for medical and agricultural research and to train personnel in the operation of both research and power reactors. Applications will consist principally of studies in nuclear physics and the effects of nuclear radiation on various materials, as well as experiments in bulk shielding. The US government will contribute $350 000 toward the cost of the project. Uranium fuel will be provided by the US under the terms of a bilateral agreement between Spain and the United States.

Brazil is also to receive a contribution from the United States of some $350 000 toward the cost of a research reactor project under the terms of an agreement for cooperation in research in effect between the two countries. The Atomic Energy Commission of the National Research Council of Brazil will carry out arrangements with an American firm for the construction of a 5000 kilowatt pool type research reactor to be located at the Atomic Energy Institute at the University of São Paulo. It has also been announced that the two governments have entered into discussions looking toward the conclusion of an agreement for cooperation in the field of power reactors that will involve information exchange and transfer by the USAEC of an appropriate amount of enriched uranium.

The Atomic Energy Research Institute, a nonprofit foundation sponsored by Japanese industry and the government of Japan, is planning to establish a 50 kilowatt nuclear research reactor at a site near Tokyo. The contract for sale of the reactor, which is to be built at a cost of about $250 000 by Atomics International, a division of North American Aviation, Inc., is subject to the terms of the Atomic Energy Act of 1954 and other regulations of the USAEC. Arrangements for the required uranium fuel will be made between the Japanese and US governments.

Laboratories

Sylvania Electric Products Inc. has expanded its Mountain View, Calif., facilities by establishing a new Microwave Physics Laboratory. Under the leadership of Osmund T. Fundingsland, the laboratory will conduct research and advanced development in the uses of new magnetic materials and gaseous media for microwave electronic control devices and systems for radar, communications, and electronic countermeasures. The Microwave Physics Laboratory is the third Sylvania electronics laboratory to be located at Mountain View. The Microwave Tube Laboratory, established there in 1952, is now being expanded by the addition of a new wing devoted to increased research and development in traveling-wave tubes and other microwave devices.