

engineer or physicist, nuclear reactor and shield applications to aircraft propulsion

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Publication of Research Results in the appropriate classified or open literature is encouraged.

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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 non-profit 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.

Illinois Institute of Technology is erecting a new \$1 million building to house its departments of physics and electrical engineering. The 21st new building to be added to the 110-acre Technology Center, its completion is planned for the summer of 1957.

Construction is now under way on The Ramo-Wooldridge Corporation's projected nine-building Research and Development Center in Los Angeles. The firm is engaged in electronic systems and guided missiles research and development. The first building is expected to be ready for occupancy in November and completion of the entire \$10 million center is scheduled for mid-1958.

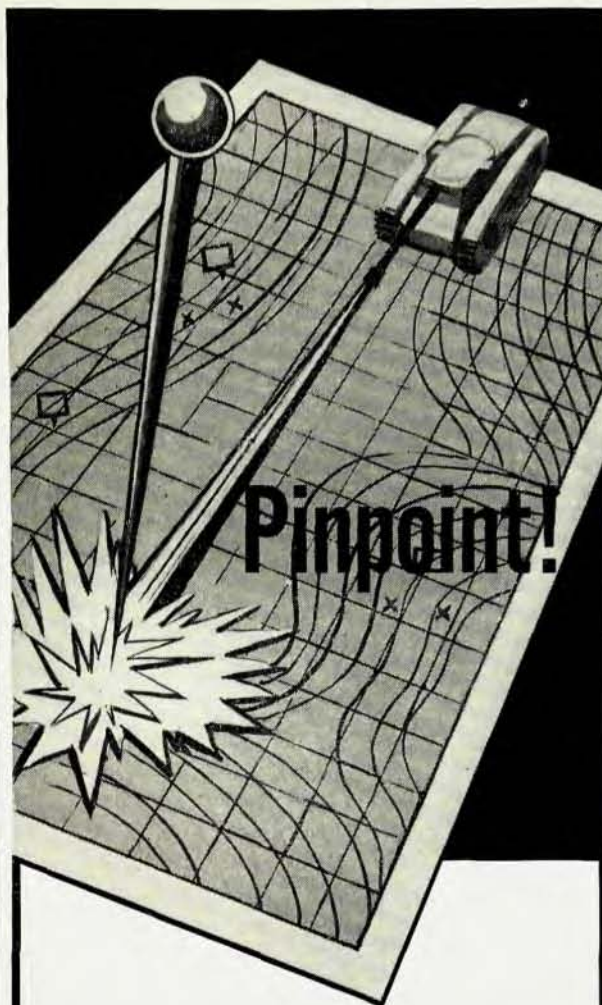
Burroughs Corporation has opened two new research laboratories in suburban Philadelphia to be known as the Great Valley Laboratories. The laboratories will engage primarily in the design and development of defense equipment for governmental agencies as well as long range research in electronics, electro-mechanics, and magnetics.

Robertshaw-Fulton Controls Company is constructing a new laboratory building at its Aeronautical Division, Anaheim, Calif., to provide increased space and facilities for apparatus suitable for guided missile applications.

Publications

The University of Illinois has announced the forthcoming publication of the *Illinois Journal of Mathematics*, a quarterly that will contain basic research papers in pure and applied mathematics. The first number will appear early in 1957, and it is planned that each number will contain about 150 pages. Made possible by a grant from the bequest to the University by the late Professor G. A. Miller, and by an initial subvention from the American Mathematical Society, the *Journal* will publish papers in English, French, German, and Italian. Manuscripts should be sent to the Illinois Journal of Mathematics, Department of Mathematics, University of Illinois, Urbana, Ill., or to one of the members of the present board of editors: Reinhold Baer, J. L. Doob, A. H. Taub (University of Illinois); George W. Whitehead (Massachusetts Institute of Technology); Oscar Zariski (Harvard University). Subscription price is \$9 annually (\$5 for American Mathematical Society members). Subscriptions should be sent to the University Press, 207 Administration East, University of Illinois, Urbana, Ill.

A pamphlet entitled "What's Available on Microprint Cards" has been published by Eastman Kodak Company. The result of a recent survey of all publishers known to be active in the microcard field, the findings have been classified by subject field (including physics) and indicate sources from which purchases may be made. Copies may be obtained without charge from Graphic Reproduction Division, Eastman Kodak Company, Rochester 4, N. Y.



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