

## Stanford superaccelerator

The U.S. Atomic Energy Commission announced on 29 December that it had authorized negotiations to provide the architect-engineer-manager services for the proposed 10-20 GeV linear electron accelerator at Stanford University, Palo Alto, California, to the extent authorized by the 86th Congress. The work, which would be performed under a cost-type subcontract under the Stanford University prime contract with the Commission at an estimated cost of \$ 300 000, involves master planning of the facility and design of initial buildings.

The 86th Congress authorized \$ 3 000 000 for design and engineering for the project. The major part of these funds is to be used by Stanford University for further research and development related to the accelerator components. If Congress gives full authorization for the project, it will involve expenditure of over \$ 100 000 000.

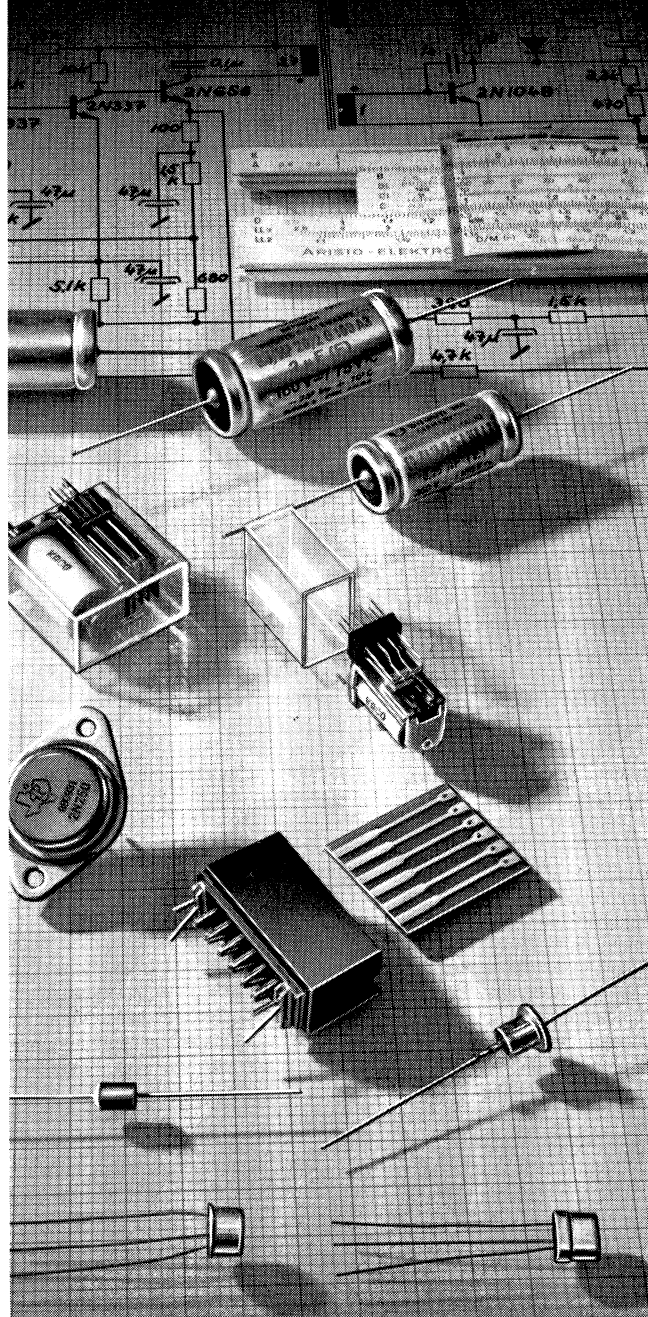
Sixty-eight firms, encompassing many well-known in the field, were invited to submit proposals on the work on the accelerator project. Altogether thirty-three proposals were submitted.

In May 1959, it had been announced that the accelerator is planned for construction near the Stanford campus. The apparatus would be enclosed in two parallel tunnels, each nearly two miles long and covered by 35 feet of earth. On the basis of preliminary estimates, the project would cost about \$ 100 000 000 for construction, \$ 18 000 000 for research and development, and approximately \$ 15 000 000 a year to operate after completion. The Commission would finance the project, and Stanford would operate the machine.

The accelerator should be capable of producing 10 to 20 GeV initially, and 45 GeV eventually.

The Stanford project would be established as a national facility for research, to be used by scientists from other institutions as well as those at Stanford. As at CERN, a procedure would be established for screening proposed experiments and scheduling the use of the huge machine ●

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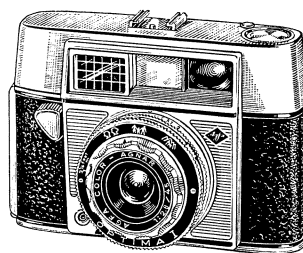
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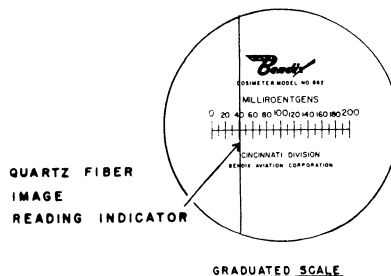
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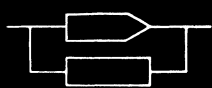
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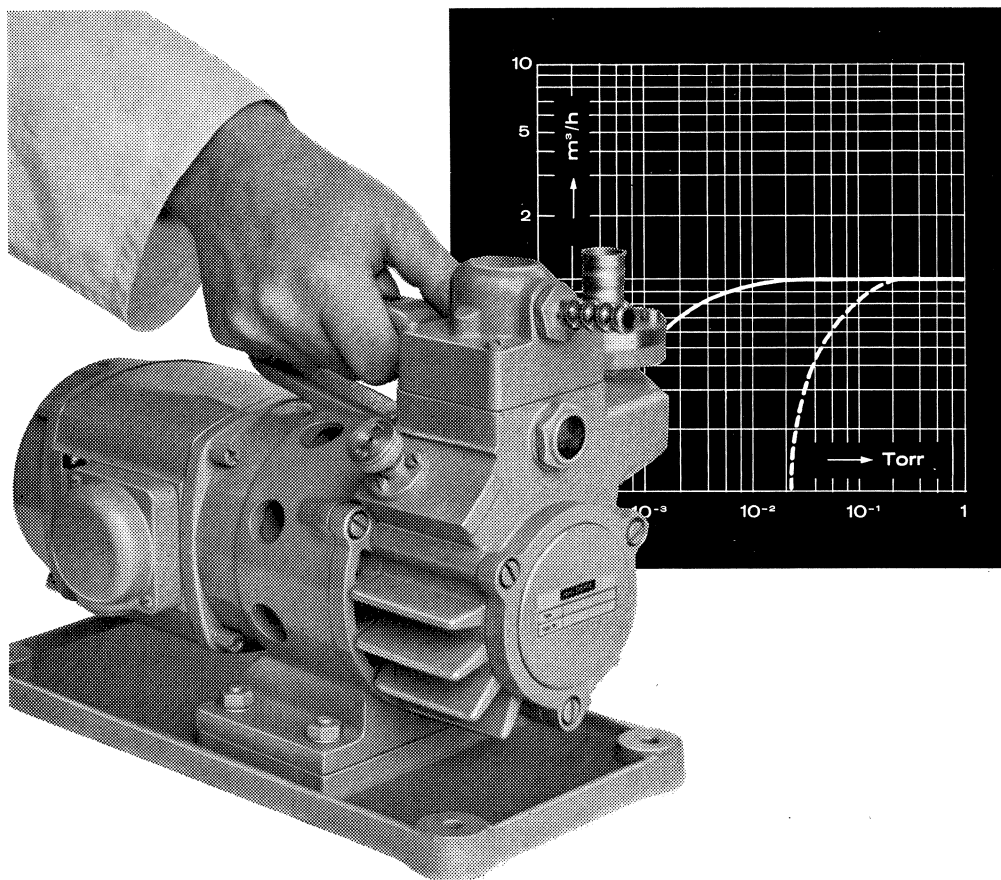
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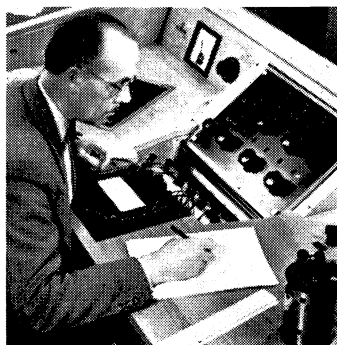
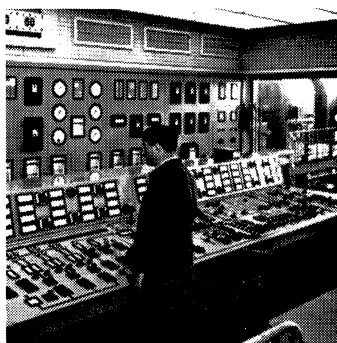
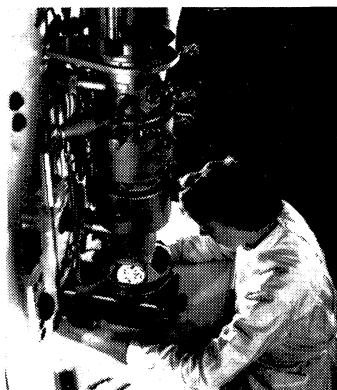
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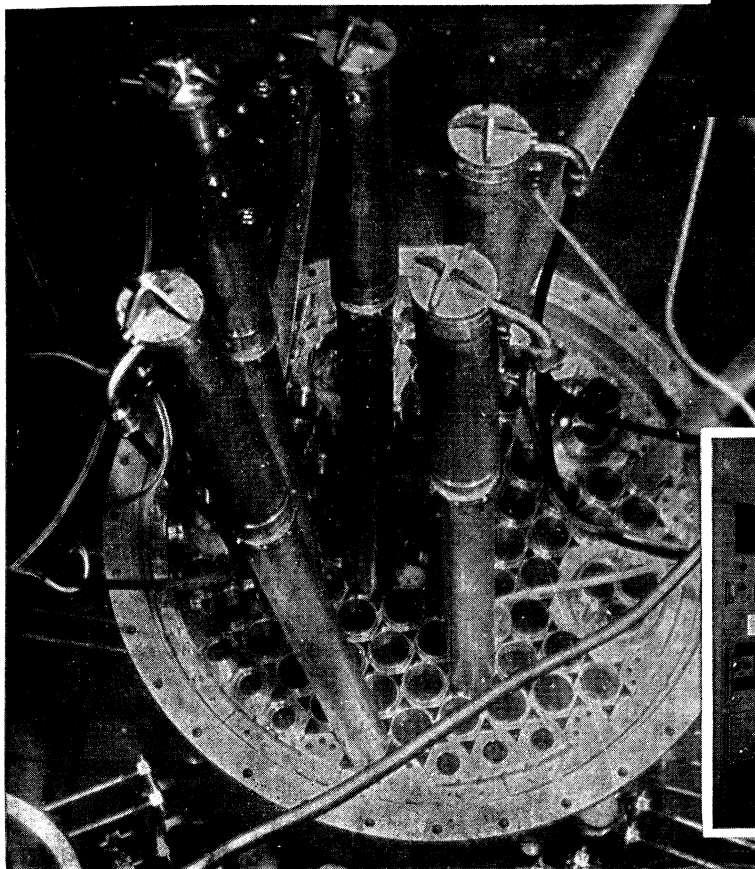
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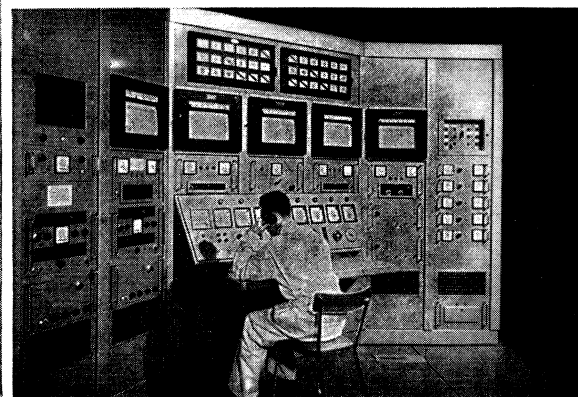
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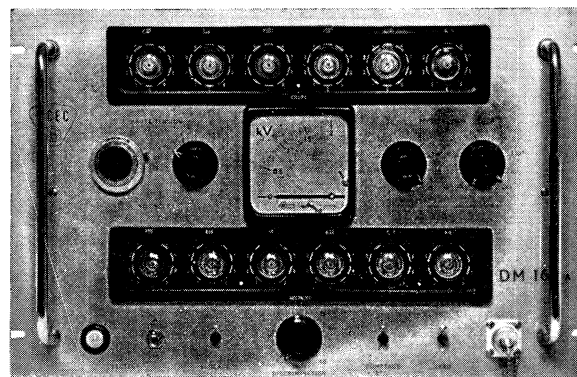
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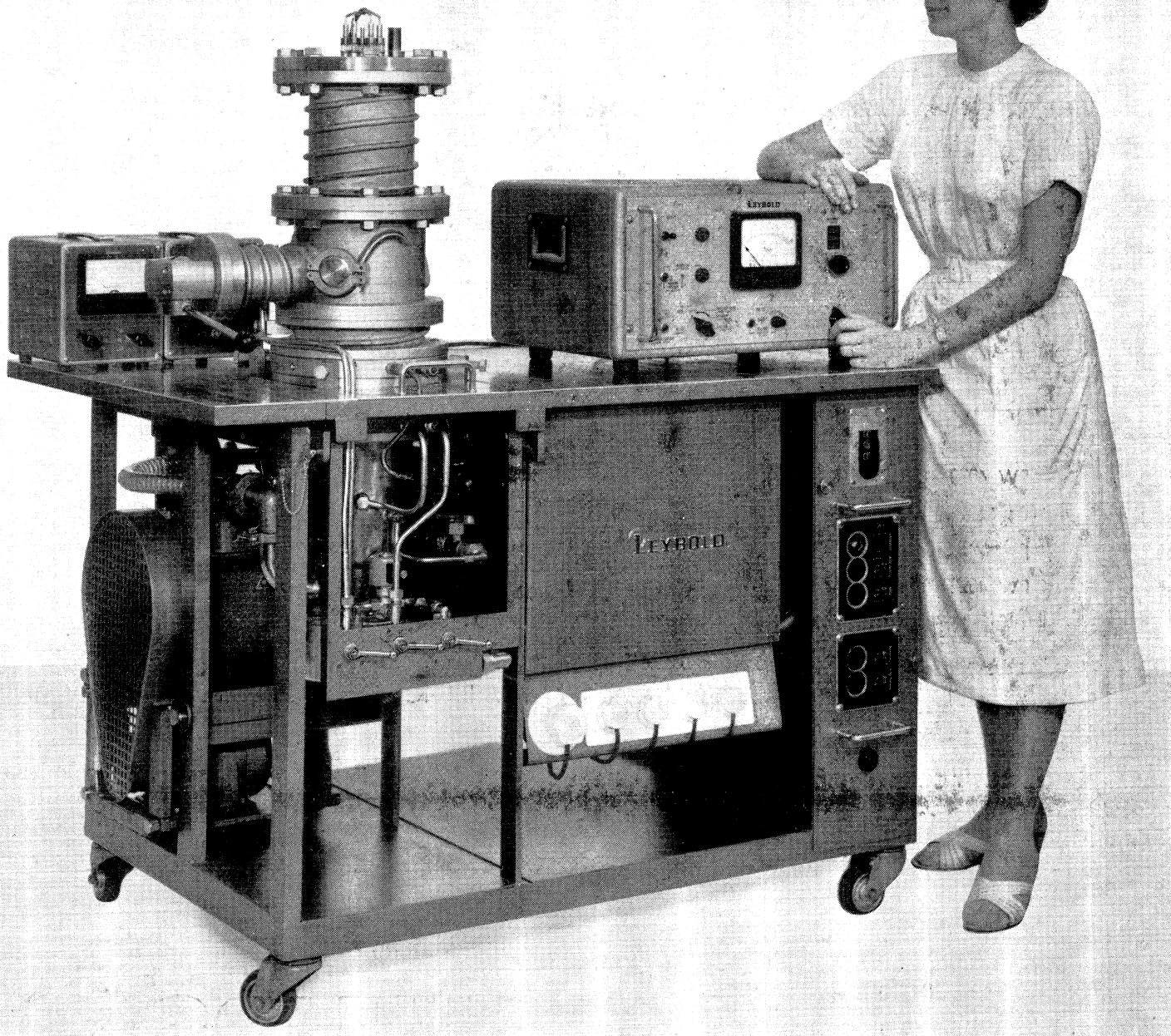
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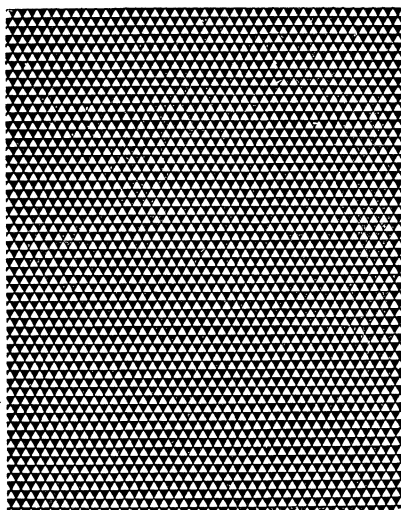
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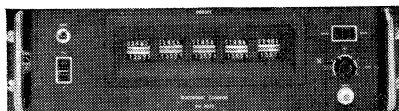
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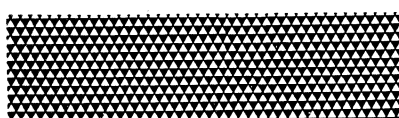
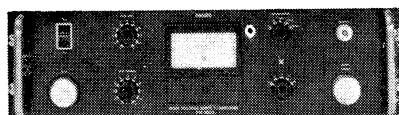
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