

Mark IV Redesign Committee  
Minutes of Meeting No. 17  
July 28, 1960

In attendance: Brown, Bunker, Copenhagen, Crabtree, Eldredge,  
Goerz, Lebacqz, Loew, Jasberg, Neal, Pindar,  
Turner, Whitson

Discussion:

The discussion centered about the various alternates available to the group, the costs involved, and the feasibility for effective utilization of the Mark IV.

The alternates are as follows:

Mark IV (Unchanged) To continue the Mark IV redesign program as originally planned, i.e. to start installation of components in the trench as near to schedule as possible.

Mark IV (Delay) To continue the Mark IV redesign program but to test as many as possible of the components in a separate location prior to the installation in the trench.

Mark V-A To install the components originally planned for the Mark IV in a new location, presumably in the new Project M temporary location. This program would also include the preliminary testing of as many of the components as possible.

Mark V-B The start design work now on a new machine which would be installed at the temporary location or at the "M" site. This program would also include the Mark IV (Unchanged) or the Mark IV (Delay) program.

The time schedules for the programs are as follows:

MK IV (Unchanged)

Start	1 Sept.
Install	1 Sept.-1 Dec.
Engr. Test.	1 Dec.- 1 Mar.

MK IV (Delay)

Start	1 Dec.
Install	1 Dec.- 1 Mar.
Engr. Test.	1 Mar.- 1 June

MK V-A

Design & Planning	1 Aug.-1 Mar.
Install	1 Mar.-1 Aug.
Engr. Test.	1 Aug.-1 Dec. 1961

MK V-B

Planning & Design	1 Aug. - 1 Sept. 1961
Component Test	1 Sept. 1961 - 1 April 1962
Install	1 April 1962 - 1 June 1962
Engr. Test	1 June 1962 - 1 Aug. 1962

It was the general consensus of opinion among the persons present that

(a) It is definitely advantageous to have two accelerators for use.

(b) That expenses are very limited at the present time and the big question is can we afford a second machine now.

(c) That the final decision is a policy decision and will be left to the appropriate persons.

(d) That the present Mark IV machine is of questionable value to the project.

Some of the added costs for installing a new machine in the M temporary building are:

Trench & Shielding	\$45,000 - 90,000
Water Recirculation	\$15,000
Architect Engineer	3,000 - 8,000
MK IV S & E	\$25,000 (min.)

The meeting adjourned at 3:25 with a tentative date for the next meeting on August 4, 1960 .

pcl