

MARK IV REDESIGN COMMITTEE

MINUTES OF MEETING NO. 10

January 7, 1960

In attendance: B. Bunker, A. Crabtree, P. E. Edwards, D. Goerz, G. Loew,  
V. Prosper, P. Zinder

The minutes for meeting No. 9 were distributed and accepted as written.

Discussion:

The two 5-foot accelerator sections with the  $2\pi/3$  mode were on the table and the discussion centered around these sections. It was noted that the test showed that the copper was not good, to the extent of blistering and growing after being heated to a temperature of  $1000^{\circ} \text{E}$ . Also at this time were discussed the merits of the proposed support system for the interim experiment on Mark IV, using the new accelerator sections. This system was accepted as illustrated. The general discussion centered around the points as to how the accelerator would be installed in the present system in the Mark IV trench.

Decisions:

It has been a decision of this group to continue on an interim test by installing the new  $2\pi/3$  mode accelerator sections in the Mark IV trench and to test these systems as a part of the accelerator system as a whole. This will be done by using soft solder joints, making all of the flanges compatible with the present system and to use the Mark III type of water jackets on the new accelerator. Mr. Prosper ~~from~~ <sup>and</sup> the Tube Shop has agreed to help us in every respect to get this crash program into effect as soon as possible. Drs. Weissbluth and Zatz of the Biophysics Laboratory have agreed to postpone the patient therapy period until 1 February in order to allow us to get our test completed on this new accelerator section. The time schedule that we will try to maintain on this will be as follows:

1. To begin production on the necessary items for this interim test immediately.
2. To be ready to install by 13 January.
3. To start tuning the accelerator by 18 January.
4. To start our test in position on 25 January.

The next meeting will be tentatively set up for 21 January, 1960.