

D A I L Y L O G

February 21, 1957

Work was continued on the power supplies and related equipment for D-100A. Petty of Douglas Aircraft called in relation to the 100-B; inquiring about the possibility of certain changes in the camera optical arrangement. Answers on this were obtained from Par Products. The matter referred to Fen McCollum.

Life tests were continued on components of the D-100B. Some film tests were run on the 86D-100B to check a masking effect of the scope trace. A modified high-voltage supply for use on the scorers was completed today. It appears possible to include the separate filtering condensers in the power supply package properties reducing over-all size in reducing straight capacity.

More time is needed to do adequate refinement on every component of the scorers at present. Physical layout on the 100A and improved package arrangements for the 100B will be pushed as rapidly as possible. It will be necessary to go to Oxnard as soon as possible to obtain further information on the Enine Fair Control System, in order to continue with the 290-B. Work is greatly hindered by lack of adequate information on all the systems we are attempting to do scorers for. A number of component manufacturers were contacted regarding the possibility of doing special as components for various portions of the 100-A. This at best will be a time consuming affair, but in some cases may be necessary, such as in filter condensers, power transformers for the power supply. Apparently the contract for twelve 100-A's will be in hand shortly. The first two units to be delivered in June. All phases of this test will have to be expedited in order to meet this date.

No word of a successful flight on the test series for the 100-B at AFAC Eglin. Apparently the tests will be moved to Yuma. A most successful approach to the 100-A problem will probably be to push through a prototype as rapidly as possible and get it into some testing agency. This prototype will use units which will not necessarily be the ones in the final stage, however it will use many of the units used in the final assembly as possible and as more and more of the final items become available from the manufacturers they will be incorporated for tests into the scorer. This is the only way, and reasonable flight history will be obtained on this scorer before June. HD-6024 nodes will be procured and used in the D-100B Sweep Circuit in place of the HD-6003's in an effort to reduce break-down of these components. Preliminary tests of the 6024 appear to be satisfactory on a run of some 75 hours on one unit.

Work is being held up on the power supplies for lack of the rectifiers from International Rectifier. They were contacted in an attempt to expedite these items.