

the course of the development program. The accident that we had with the CSM 017 tank has contributed to our knowledge of titanium and its characteristics; it has triggered a rather extensive test program that will permit us to have a good understanding of the various forms of stress corrosion to which titanium is subjected. I think this is an example where we are adding to knowledge by doing.

Mr. WAGGONER. Proceed, Dr. Mueller.

Dr. MUELLER. Looking at our production situation on the spacecraft (fig. 26, MA66-9695B), we are essentially complete with the block I; the block II spacecraft are in test at Downey, now, and in various stages of production in the factory. We do have a long-lead-time procurement on all spacecraft of both the command and Service Module and the Lunar Modules.

Our major planned activity in 1967 in the spacecraft and launch vehicle areas are shown in figures 27 and 28 (MC66-9695A and MC67-5148).

In the case of the spacecraft (fig. 29, MC67-5149), we expect to complete the block I and block II CSM ground test program, we expect to complete the Block II CSM subsystem certification and, of course, we still are finishing out the certification process because we are still flying two of the unmanned Block I spacecraft. We will expect that to be complete some time this summer.

We will complete the qualification of the Block II extra vehicular Mobility Unit. That is the space suit. Extensive changes have been introduced that will give us more mobility.

We will activate Apollo mission simulators, complete delivery of five spacecraft adapters to KSC and complete delivery of Block I CSM to KSC. In the case of Lunar Modules, we expect to complete LM

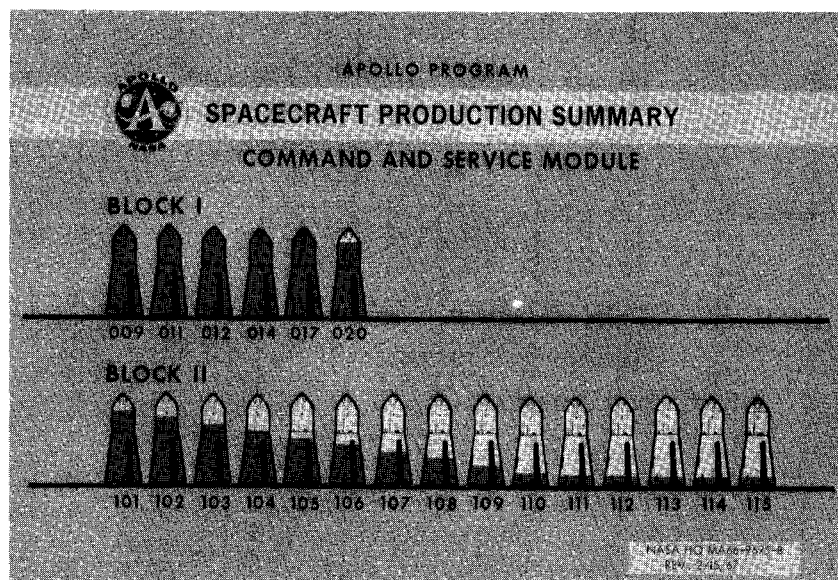


FIGURE 26