

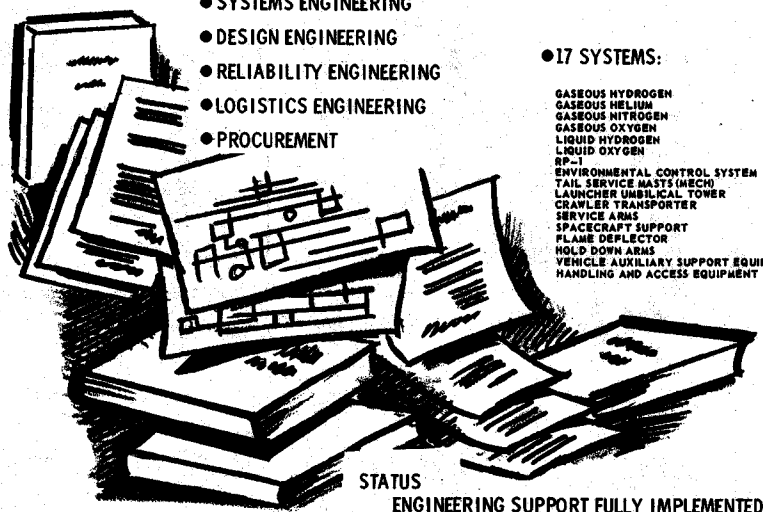
## KSC ENGINEERING SUPPORT

### ●SUSTAINING MECHANICAL ENGINEERING

- SYSTEMS ENGINEERING
- DESIGN ENGINEERING
- RELIABILITY ENGINEERING
- LOGISTICS ENGINEERING
- PROCUREMENT

### ●17 SYSTEMS:

GASEOUS HYDROGEN  
GASEOUS HELIUM  
GASEOUS NITROGEN  
GASEOUS OXYGEN  
LIQUID HYDROGEN  
LIQUID OXYGEN  
RP-1  
ENVIRONMENTAL CONTROL SYSTEM  
TAIL SERVICE MASTS (MECH)  
LAUNCHER UMBILICAL TOWER  
CRAWLER TRANSPORTER  
SERVICE ARMS  
SPACECRAFT SUPPORT  
FLAME DEFLECTOR  
HOLD DOWN ARMS  
VEHICLE AUXILIARY SUPPORT EQUIPMENT  
HANDLING AND ACCESS EQUIPMENT



STATUS  
ENGINEERING SUPPORT FULLY IMPLEMENTED

FIGURE 40

now directing our attention toward a launch operation and successful launch of the AS-501. To do that, we are assuring that equipment, papers, people, etc., are compatible and in reliable condition.

I will now turn the meeting back to Dick Nelson.

Mr. NELSON. Thank you. Now, I'd like to give you a brief rundown on the money and manpower situation as it relates to our tasks on the Saturn V program. Our actual expenditures on schedule I are under-running somewhat our contract forecast, and it appears we will under-run the complete cost of the program. We are about 80 percent expended. We have about 3 years left to go on the program. We are just getting started on schedule IA for the followon stages S-IC-11 through -15. At this point it is too early for forecasting any deviation from contract price. On schedule II, we are underrunning our forecast. We are about two-thirds expended with about 2 years to go. On schedule III, we have about 3 years to go through the launch of the SA-515 vehicle with about 20 percent expended, and no deviation from contract target cost is forecast. (The foregoing discussion on the contract expenditures contained some off-the-record discussion, which has been deleted from this transcript.)

Figure 48 shows our manpower profile. We peaked at 11,600 people at the end of 1965 and we have been coming down, and as of February 3, we had 10,837, for a reduction of about 800 people. In terms of people here in New Orleans, we peaked here at about 6,000 direct labor in early 1965 and have been coming down rather steadily since that time. We are currently, as of February 3, at 3,571. On schedule II (Huntsville), the manpower peak occurred in mid-1966