

Mr. GURNEY. What boosts that?

Dr. MUELLER. There is another Saturn I-B that actually lifts the command and services module in the same orbit.

Mr. GURNEY. Thank you.

Dr. MUELLER. If you look on the right you can see some of the equipment that is being developed for experimental use inside the workshop (ML 67-5537, fig. 7). The interior of this S-IV B is a two-story arrangement (ML 66-9611, fig. 6). One floor is set up to be used as a living quarters for the astronauts and the second story is designed to be used for the maintenance area, laboratory area that is the second function of this workshop. On the right-hand side (ML 67-5537, fig. 7) you can see the heat exchanger experiment where principally you are looking to ways of developing maintenance capabilities, the ability to service this kind of equipment in orbit. There is a high-pressure gas experiment. Some of the things we don't know about are the changes that occur when you try to expand gas very rapidly through a small nozzle in a zero g environment as contrasted with the one g environment condition on Earth.

One of the interesting things that we can't really do here on Earth is to measure the rate of flame propagation in zero gravity.

Mr. ROUDEBUSH. Will the interior of this workshop be zero g? You are not going to simulate gravity in there?

Dr. MUELLER. No, we will not. There will be essentially zero gravity inside.

Mr. ROUDEBUSH. Thank you.

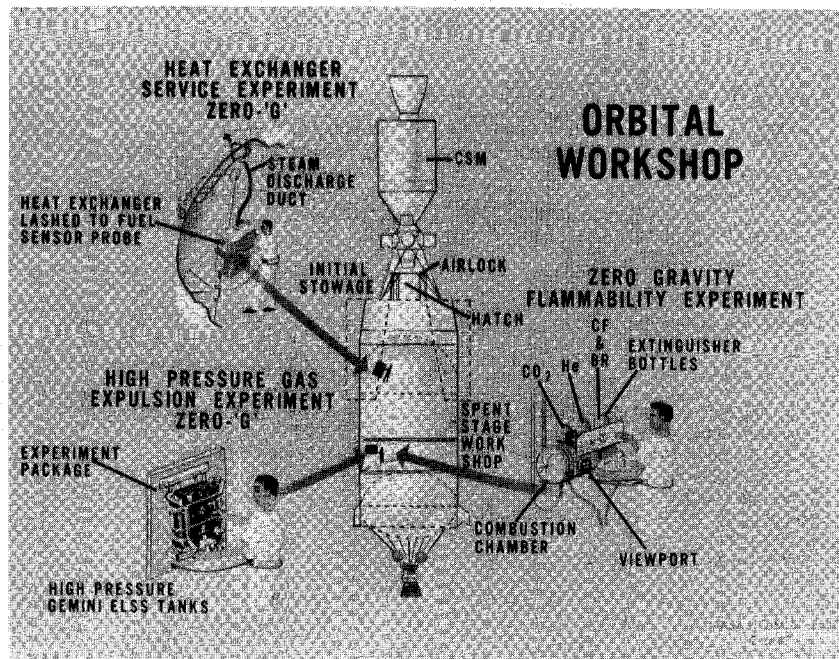


FIGURE 7