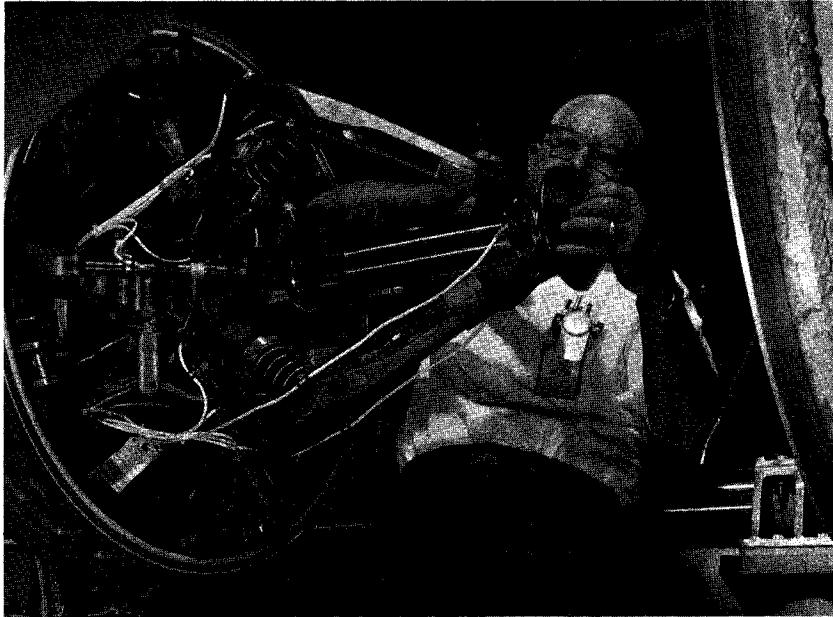




SLIDE 21

Here you see the device that will be on the Lunar Module and these can be tested over and over again on this test rig in one of our laboratories.

This is a little more difficult to see (slide 22), but this is a scale model of the landing stage of the Lunar Module. By dropping it on this table and taking high-speed motion pictures we can get the dynamics of the landing of the Lunar Module.

Here (slide 23) we developed the instrumentation that is used in the early Apollo spacecraft, the instrumentation that will measure the thermal environment, the pressures, and all of the other things we need to measure in flight.

Here is another electronic facility (slide 24). In these cabinets [indicating] are housed duplicates of the equipment at our remote tracking stations. In here [indicating], in other racks are duplicates of the equipment in the spacecraft. In this facility we can test the compatibility of the spacecraft and the ground equipment, again, before flight.

Our Thermochemical Test Area (slide 25) is located here on the aerial photograph. In this area we have areas for the testing of fuel cells and small reaction motors of the many pyrotechnic, or explosive, devices used in the spacecraft. In one of these facilities [indicating] we ran the Apollo fuel cells (slide 26) for many hours in a complete test and evaluation program. And more recently, in this facility, we have set up a full-scale Apollo boilerplate spacecraft (slide 27) which is now being instrumented and outfitted to try to duplicate in a laboratory environment the fire that occurred in the Apollo 204 spacecraft a month ago.