

lunar mission simulation flights. The Apollo flight program will culminate in the Apollo/Saturn V missions achieving manned lunar landing and return.

The five major Apollo milestones are:

1966: First Apollo uprated Saturn I unmanned flight.

1967: First Apollo uprated Saturn I manned flight.

1967: First Apollo Saturn V unmanned flight.

1968: First Apollo Saturn V manned flight.

1969: Apollo Operations.

The exact number of flights in each phase depends on the degree of success achieved on each mission.

Question 20. What has been the disposition of the \$41.9 million provided in fiscal year 1967 for long-leadtime procurement for the Apollo Applications program? Have other funds been used to supplement this effort in fiscal year 1967? If so, what was the use of these funds?

Answer 20. The disposition of the \$41.9 million provided in fiscal year 1967 is as follows:

Long-lead procurement of follow-on Uprated Saturn I.....	\$24.0
Design and development of spacecraft systems modifications.....	14.6
Experiment definition	3.3
Total	41.9

No other funds have been used to supplement this effort in fiscal year 1967. The development of experiments for AAP is covered by other line items.

Question 21. Early flights in the Apollo Applications program are based on a success schedule in the Apollo program. What are the schedule alternatives available in Apollo Applications flights and what are the cost effects of these alternatives?

Answer 21. Many problems that might arise in the Apollo program would not impact AAP. For example, a problem associated with the Saturn V/Apollo flights may not impact Saturn I/Apollo hardware used by AAP for early missions. As a matter of fact, the AAP planning and scheduling is consistent with and would not be changed by moderate difficulties or moderate success in the basic Apollo program.

In the event that Apollo hardware is not available for AAP usage, the AAP payloads for the early missions will be stored for later usage on follow-on missions. The alternative schedules for AAP will be determined after analysis of the situation at that time. The storage and maintenance of the AAP hardware will involve increased cost. However, the AAP payloads will be available for modifications and improvements while in storage, thus permitting the experiments in the payload package to be kept abreast of the state of the art. Thus the experiments will be maintained in a configuration to obtain the quality and quantity of data consistent with the latest scientific and engineering techniques.

Question 22. What effect does the availability of tracking ships and aircraft have on the Apollo and early Apollo Applications programs?

Answer 22. The availability of tracking ships and aircraft is adequate to support the current Apollo and Apollo Applications schedule.