Space Flight Experiment Board which is, as I mentioned, jointly chaired by the Department of Defense and the other associate administrators of the NASA program offices.

The fifth recommendation relating to biomedical studies during extended flights of 100 days or more and determining the most effective and economical approach to this activity is carried out in the Apollo Applications plans through the orbital workshop—an embryonic space station that I mentioned during the full committee hearings, and which I will cover in more detail under Apollo Applications. With this mission and subsequent flights, we would be revisiting this equipment in orbit as shown on the third objective of the Apollo Applications program. Revisiting the cluster in orbit with a resupply of expendables and crew would be, in effect, making the first reuse of hardware which we consider the most economical approach at this time. It is our present thinking that through the reuse of hardware placed in orbit and through the extension of long duration flight to 28, 56, and upwards to 180 days and then a full year duration we gain the most cost effective utilization of space equipments.

The next recommendation of the PSAC report covers Space Applications—Manned and Unmanned (fig. 23, MC67–5991). The first

PRESIDENT'S SCIENCE ADVISORY COMMITTEE REPORT

FEBRUARY, 1967

RECOMMENDATIONS AFFECTING MANNED SPACE FLIGHT	APOLLO APPLICATIONS PLANS
SPACE APPLICATIONS - MANNED AND UNMANNED	
WHETHER SPACE APPLICATION SYSTEMS ARE MANNED OR UNMANNED MUST BE ASSESSED.	IN LINE WITH AAP MAJOR OBJECTIVE - DETERMINE USEFULNESS OF MAN IN SPACE
BEFORE MANNED EARTH RESOURCES SURVEY IS INCLUDED IN THE APOLLO APPLICATIONS PROGRAM, DETAILED COST-BENEFIT STUDIES BE COMPLETED WHICH TREAT MANNED VERSUS UNMANNED METHODS FOR ACCOMPLISHING THESE TASKS.	IN LINE WITH AAP MAJOR OBJECTIVE - DETERMINE USEFULNESS OF MAN IN SPACE
THAT A CAREFUL EXAMINATION BE MADE OF THE POTENTIAL ROLE OF MAN IN THE WEATHER SATELLITE PROGRAMS.	IN LINE WITH AAP MAJOR OBJECTIVE - DETERMINE USEFULNESS OF MAN IN SPACE

NASA HQ MC 67-5991
3/13/67

FIGURE 23