

We would expect following the manned lunar landing to begin extended lunar exploration using this basic hardware but with modifications beginning in the 1970's.

In addition to the Earth orbital applications, one of the objectives of the Apollo Applications program is to lay a foundation for other future programs so that we do not come to the end and not establish a foundation for further manned and unmanned space flight activities. Apollo Applications does represent a bridge or transition from the Apollo hardware developed for the manned lunar landing and its use for those future programs which may be developed as a result of or experience in space activities.

There are two basic mission concepts that we use in the Apollo Applications program (MC 66-5173, fig. 3). As you know, we may be able to use some of the launch vehicles and some of the spacecraft that are in the basic Apollo program for missions other than the manned lunar landing. Whether or not these vehicles will become available depends upon our progress in the basic Apollo program. We believe that it is to the Nation's best interest to make most economical use of the hardware and equipment by providing alternate missions for the basic Apollo hardware. This will permit us to utilize these vehicles and these trained launch operational teams to carry out certain missions that apply the basic equipment to operations other than the lunar landing if this basic equipment becomes available from the basic Apollo program.

APOLLO APPLICATIONS - MISSION CONCEPTS

ALTERNATE MISSIONS

**USE OF BASIC LUNAR MISSION SPACE VEHICLES
WHICH MAY BECOME AVAILABLE FROM THE APOLLO
PROGRAM FOR APOLLO APPLICATIONS MISSIONS.**

FOLLOW-ON MISSIONS

**USE OF MODIFIED APOLLO SPACECRAFT WITH STANDARD
SATURN LAUNCH VEHICLES FOR LONG DURATION
MISSIONS IN EARTH AND LUNAR ORBIT AND ON THE
LUNAR SURFACE .**