

Under our Advanced Manned Missions study effort, we have a joint action group involving several elements of NASA studying the manned planetary flyby system requirements and manned planetary landing requirements. As you know from the presentation by Dr. Newell before the full committee, we have recommendations before the Congress to approve funding for the Voyager program in the fiscal year 1968 budget.

This program will provide useful data through unmanned flight to the planets. These flights will in turn, be significant to manned planetary activity. The Marshall Space Flight Center is a major participant in the Voyager program, thus providing a close tie between the manned and unmanned activity. Additionally, Dr. Adams in his presentation before the full committee defined the activities related to the nuclear engine NERVA II, which is an important development to a manned planetary landing program in the future.

Both the Voyager and the NERVA II systems require a launch vehicle of the Saturn V class for development and mission activity. The Apollo Applications program as we have presented it to the Congress will maintain the Saturn V capability for this useful work in meeting the Apollo Applications objectives as well as providing this capability for two programs.

Under the recommendations for a Manned Space Station (fig. 19, MC67-5994), the President's Science Advisory Committee report states that a launch in mid-1970's for the first module of the space

PRESIDENT'S SCIENCE ADVISORY COMMITTEE REPORT

FEBRUARY, 1967

RECOMMENDATIONS AFFECTING MANNED SPACE FLIGHT

APOLLO APPLICATIONS PLANS

MANNED SPACE STATION

LAUNCH IN MID 1970'S
FIRST MODULE OF A SPACE
STATION FOR VERY PRO-
LONGED BIOLOGICAL STUDIES
OF MAN, ANIMALS, AND OTHER
ORGANISMS IN EARTH ORBIT

ORBITAL WORKSHOP LONG
DURATION FLIGHTS AND
EXPERIMENTS

PLANS FOR SPACE STATIONS
WITH TESTS IN SPACE OF
EQUIPMENT FOR ENVIRONMENTAL
CONTROL, POWER SUPPLY, COM-
MUNICATION, ETC., ESPECIALLY
WITH REGARD TO THEIR LONG-
TERM RELIABILITY.

ORBITAL WORKSHOP LONG
DURATION FLIGHTS AND
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FIGURE 19