

flexibility, allowing refurbishment and reuse of command modules, and reducing recovery and new procurement costs. The changes to the spacecraft that permit incorporation of the land landing capability will also allow the interior of the Command Module to be rearranged to accommodate up to three additional astronauts for short duration ferry and resupply missions. Limited development of a Lunar Module (LM) shelter/taxi to extend lunar surface exploration time beyond that planned for the Apollo program will also commence in FY 1968.

Experiments and mission support

My next chart (fig. 135, MP67-5708) shows the remainder of the funding being requested for Apollo Applications—\$140.7 for experiments and \$50.3 million for mission support.

Experiments

Of the experiment funding, \$33.7 million is for definition and \$107 million is for development. Apollo Applications experiments cover a wide range of objectives in the fields of space medicine, science, applications, technology, and engineering. The definition and development of experiment payloads to meet these objectives will include activity by elements of NASA, other government agencies, and the scientific and industrial communities.

Effort in FY 1966 and FY 1967 was primarily confined to definition of experiments and experiment hardware for use in the early Apollo Applications missions. Included in these efforts were studies which led to the Apollo Telescope Mount (ATM) and the spent-stage S-IVB orbital workshop, now under development.

The fiscal year 1968 effort will continue the development of the Apollo Telescope Mount and the orbital workshop and will define and develop other experiment payloads for follow-on Apollo Applications missions. These experiments have already been discussed in considerable detail.

**MANNED SPACE FLIGHT
RESEARCH AND DEVELOPMENT
APOLLO APPLICATIONS
FY 1968 BUDGET ESTIMATES
(MILLIONS OF DOLLARS)**

	FY 66	FY 67	FY 68
<u>EXPERIMENTS</u>	<u>\$40.3</u>	<u>\$35.6</u>	<u>\$140.7</u>
DEFINITION	34.4	12.0	33.7
DEVELOPMENT	5.9	23.6	107.0
<u>MISSION SUPPORT</u>	<u>\$2.4</u>	<u>\$5.8</u>	<u>\$ 50.3</u>
PAYLOAD INTEGRATION	.1	4.4	40.0
OPERATIONS	2.3	1.4	10.3

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FIGURE 135