MANNED SPACE FLIGHT

RESEARCH AND DEVELOPMENT

ENGINE DEVELOPMENT & MISSION SUPPORT

FY 1968 BUDGET ESTIMATES

(MILLIONS OF DOLLARS)

	FY 1966	FY 1967	FY 1968
ENGINE DEVELOPMENT	$ 133.2	$ 49.8	$ 24.5
MISSION SUPPORT	$ 164.3	$ 243.9	$ 281.0
OPERATIONS	112.9	196.9	229.0
SYSTEMS ENGINEERING	20.0	20.0	20.0
SUPPORTING DEVELOPMENT	31.4	27.0	32.0

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FIGURE 132

launch, flight, crew and recovery operations; program-wide systems engineering; and supporting development necessary for the successful accomplishment of manned space flights.

The Operations area accounts for the major share—$229.0 million, and includes activities at the Kennedy Space Center and the Manned Spacecraft Center that support the launch, flight, and recovery phases of Apollo missions. For Kennedy, it includes the operation of checkout, launch, and instrumentation facilities; contractor services; equipment and supplies; and reimbursement for services provided by the Air Force. At Houston, it includes mission control for Apollo flights; support of astronaut training and flight crew requirements; mission planning and analysis; remote-site operations; and recovery equipment and operations, including reimbursement to the Department of Defense for recovery forces.

Systems engineering, for which $20 million is requested, provides for integrated technical support, review, and analysis of manned space flight missions. These services include the development of functional and performance standards for the program, consistent with mission objectives; mission planning; test objectives and integration; program and systems specifications; trajectory analysis; checkout effectiveness; and technical documentation.

The $32 million for supporting development will continue activities which involve selected engineering efforts to eliminate potential deficiencies in Apollo and to provide a firm base for hardware decisions related to extensions of the program. This category also includes the development of improved hardware or manufacturing, test, and evaluation techniques to reduce cost and enhance reliability and efficiency.

APOLLO APPLICATIONS

Now I want to discuss Apollo Applications, for which we are requesting $454.7 million (fig. 133, MP67-5725). This is now a program line item, comparable to Apollo and Advanced Missions. Funding shown for fiscal years 1966 and 1967 was carried under Apollo and in the Space Sciences budget.