

the use of manned missions will materially assist in accelerating the development of key experiments and techniques for a worldwide observation system.

Significant improvements in weather predictions depend upon data which better define initial state weather conditions on a global scale. All the data which are necessary for determining this initial state condition are not attainable through conventional weather forecasting networks because of the relative spacing of weather reporting stations.

These early investigations will lead to more advanced systems which will result in more accurate prediction of violent weather conditions; improve length and accuracy of weather forecasts; and provide greater understanding of the air pollution problem, leading to the development of air pollution countermeasures.

RESOURCES

The initial FY 1968 plan that went forward to the Bureau of the Budget is shown on the Figure 11A. Column 2 reflects the revised amounts that were requested in the President's Budget to Congress. Column 3 reflects the difference between Columns 1 and 2. Column 4 is a statement of the impact of each of the funding reductions from Column 1. (The information presented in Figure 11A is the same as the material provided on page 362 to answer Mr. Daddario's question "I would like to request for the record that Dr. Mueller provide us with those programs eliminated after having gone to the Bureau of the Budget.")

The fiscal year 1967 and 1968 increments of funding required for the Apollo Applications missions are tabulated as follows:

(In millions of dollars)

	Fiscal year 1967	Fiscal year 1968		Fiscal year 1967	Fiscal year 1968
Basic hardware.....	24.0	167.4	Experiments.....	1.0	11.7
Meds for long duration.....	13.5	66.8	Land landing and 6-man capability.....	1.1	18.5
Science.....	(20.1)	(86.7)	Synchronous orbit capa- bility.....		5.0
ATM.....	11.7	36.9	Medical.....	.8	18.3
APP-A.....		13.5	Habitability.....	14.2	30.0
APP-B.....		17.0	Mission support.....	5.3	50.3
Extended lunar.....		5.0			
Other earth orbital.....		1.7			
Definition.....	8.4	12.6			
Technology.....	(2.1)	(35.2)	Total.....	80.0	454.7

FY 1968 BUDGET PLAN
(Millions of Dollars)

APOLLO APPLICATIONS	INITIAL	REVISED	IMPACT
SPACE VEHICLES	309.9	263.7	- 46.2
EXPERIMENTS	235.0	140.7	- 94.3
MISSION SUPPORT	81.8	50.3	- 31.5
APOLLO APPLICATIONS TOTAL	626.7	454.7	-172.0
APOLLO	2,706.5	2,606.5	-100.0
SPACE STATION	100.0	-0-	-100.0

Reduce rate of buildup of long duration and re-use capability. Defer development of extended lunar capability one year.

Reduce effort related to definition of experiment payloads (stellar astronomy, medical, meteorological, earth resources) for Calendar Year 1970 and beyond. Defer development of synchronous flight. Defer development of extended lunar exploration, experiment payloads one year.

Reduced requirements based on reduced experiments. Delay mods to Mission Control Center at Houston relating to real time experiment readout.

ATTACHMENT IV

FIGURE 11A