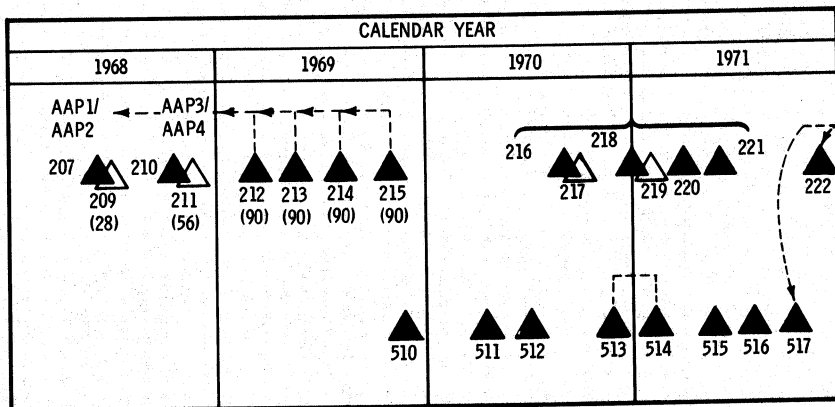


AAP FLIGHT SCHEDULE

(NAS 9-6593 STUDY GUIDELINES)



- NOTES: (1) INDICATES UNMANNED LAUNCH;
ALL OTHERS MANNED
(2) 200 SERIES = UPRATED SATURN I
500 SERIES = SATURN V
(3) MANNED MISSION DURATION
SHOWN IN PARENTHESES

SLIDE 55. APP FLIGHT SCHEDULES—NAS9-6593 STUDY GUIDELINES

could be done in conjunction with the orbital workshop which is initiated in 1968.

When Mr. Wilson visited with us last summer, I covered some of the details of the orbital workshop configuration that was then under study (slide 56). At that time, only a single manned launch on an uprated Saturn I into Earth orbit was being evaluated. The spent S-IVB stage, the Douglas-built stage, would be evacuated in space to get rid of residual propellant and then pressurized with oxygen to permit habitation by astronauts performing experiments. Attached to the end dome of the S-IVB would be an air lock which is being built by the McDonnell Co. The command and service modules would turn around and dock to the air lock and then this would sort of give a form of an embryonic space station. At this point in time, however, it has been shown to be more effective if we assemble in orbit a clustered configuration which is represented by this slide (slide 57). However, rather than describe the drawing on this slide, we have a model of this configuration and I think I can perhaps describe it better by showing how it works (slide 58).

On the first flight, called AAP-1 in present terminology, this combination, the standard lunar and mapping system survey combination, previously described, would be launched into Earth orbit. It would operate in orbit for 5 days doing photographic sensing operations. This first launch is a manned operation. Five days later an unmanned launch of the uprated Saturn I would be accomplished, and it would place in orbit the spent S-IVB stage. At the top of this is the air lock, similar to the one I mentioned just a moment ago. On top of the air lock is a module called a multiple-docking adapter. These are the