

SMEAT DAILY REPORT

Number 26

This report covers the period from 0800 August 28, 1972, through 0800 August 29, 1972 (test day 34).

I. Significant Accomplishments - The following DTO's were satisfactorily conducted: oral hygiene, food tray heating, food system, body weight, mineral balance, audiometry, speech intelligence, personal hygiene, and crew microbiology. The CO DTO was not accomplished since the unit would not respond to the test mode. The CO monitor has been passed out for failure analysis and it is questionable whether or not the CO monitor will be further evaluated in SMEAT. Report No. 25 indicated that the Skylab vacuum cleaner with the Apollo vacuum cleaner brush was very satisfactory. This was a misinterpretation; the crew actually report that it had minimal satisfactory performance, i.e., barely usable. Also, concerning crew's comfort during the elevated temperature profile, it was indicated that the crew felt uncomfortable. Actually one crewman reported that the higher humidity did cause some discomfort; the other two did not. In any case there was no question that all crewmen prefer the lower temperature of approximately 69°F. The M171 ergometer was airlocked back into the chamber and utilized for exercise without load limit satisfactorily.

II. Problems

A. Hardware

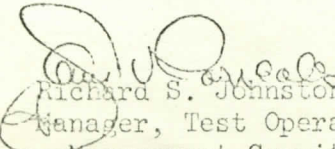
1. The crew is still experiencing problems with the urine volume measuring system, such as the collection funnel restricting circulation and the plates dragging.

2. The IMSS media bottles that are in the command module resupply kit are too tightly packed in the cans making them extremely difficult to remove and replace. This should be corrected for flight. Also upon opening a bottle media rose out which appeared to be due to an air bubble beneath it. This problem must be investigated for certain possible contamination to the specimen.

B. Facility - None

C. Procedural - None

III. Crew Health - No problems as reported by the Medical Officer.


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Management Committee

AUG 29 1972