

NOV 05 1969

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UNITED STATES GOVERNMENT

Memorandum

TO : See list below

DATE: NOV 3 1969

FROM : CA/Director of Flight Crew Operations

SUBJECT: Personal Preference Kits (PPK's) and other souvenirs

Personal Preference Kits

We have had a policy since early Gemini that each crew member would be allowed an 8-ounce PPK on manned space flights. The exact contents of the kits must be approved by me, but disclosure of the contents is the crew's prerogative; and, as far as I'm concerned, only the crew and I need know the inventory. My need to know is based on my responsibility for certifying that everything in the kits is in good taste, is not toxic or otherwise dangerous, and is either nonflammable or packaged in approved fireproof containers. I have applied the above filters to PPK lists, but have not enforced the weight allowance as long as we had weight and space margins on the spacecraft and people were reasonable. As with all good things the PPK's have continued to grow until we exceeded our authorized allowance by a factor of 10 on A-11. Therefore, both our rules and our controls need changing to match the real world. They are now as follows:

a. IM - 8 ounces ($\frac{1}{2}$ pound) per crewman maximum (at \$50,000/lb. weight saved in the ascent stage we can justify no more). This means earth weight, including bag.

b. CSM - no exact limit at present. I will continue to approve what makes sense relative to CSM weight and volume constraints on each mission. Expect this limit to become more stringent as the program progresses to ovens, deep freezers, fecal devices, etc., etc.

Other Souvenirs

There are no official provisions for other souvenirs to be returned from space flights. We know that certain items have been bootlegged from the IM prior to jettisoning and that there is a desire to return some items nominally left on the lunar surface. There are obvious pitfalls in both areas, so rules must be established for each.

a. Items of IM equipment transferred to the CSM prior to jettison will:

- (1) Be approved by Director, Flight Crew Operations, preflight.
- (2) Not be listed in official checklists.

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(3) Be confined to items which are not integral parts of the operating LM and are designed for removal by the crew nominally.

(4) Not impact timelines by their removal and transfer.

(5) Not impact CSM reentry stowage, weight, or center of gravity.

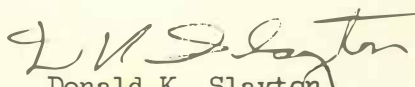
b. Items to be returned from the lunar surface will:

(1) Be approved by Director, Flight Crew Operations, and Apollo Program Manager preflight.

(2) Be officially manifested for weight and balance and stowage purposes.

(3) Be processed through the LRL with the lunar samples and be the property of the Program Office for disposal in accordance with current policy. This currently means bonded storage as an artifact.

The Program Office is attempting to establish a system which will eventually give each lunar flight crewman a piece of lunar material, a piece of the CSM, and a piece of some equipment returned from the lunar surface. The latter is probably most sticky since there can never be the slightest implication that any piece of equipment was returned at the expense of lunar science or additional samples. Therefore, considerable discretion must be applied in selecting items for return, and whatever logic was applied to justify their return by definition will not make them readily available to the crew within their normal life-span. It's worth a try, however.


Donald K. Slayton

Addressees:

All Astronauts

PA/J. A. McDivitt

CA:DKSlayton:sms 11/3/69