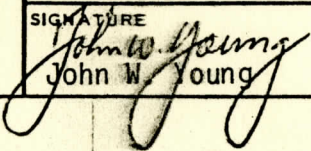


MEMORANDUM

Lyndon B. Johnson Space Center



REFER TO: CB-77-092	DATE September 6, 1977	INITIATOR CB/JWYoung:mwk:9/6/77:3897	ENCL
TO: CA/Director of Flight Operations	CC CA/W. J. North CB/T. K. Mattingly J. P. Kerwin F. S. Musgrave W. E. Thornton		
FROM: CB/Chief, Astronaut Office	SIGNATURE  John W. Young		
SUBJ: Zero-g Crewmember OFT Flight Orientation			

At a meeting on August 26, 1977, with Space and Life Sciences, the Life Sciences document subject was discussed. The following was discussed and agreed to, in my opinion:

a. The sole purpose of "OFT crew flight orientation" consideration in OFT is to prevent "space motion sickness."

b. OFT crews will, as usual, take the "best available" motion sickness drugs to see if they have side effects preflight.

c. Life Sciences is trying to come up with tests that predict (!) zero-g motion sickness and training "exercises" that allow crewmen to toughen up whatever it is that Life Sciences thinks needs to be toughened up to prevent "space motion sickness." If they do so--between now and October 1978--of course, we will be delighted to participate in such tests and training. There is no indication that their tests or any "training" so far have correlation with zero gravity "space motion sickness." Life Sciences (R. Johnston) stated that unless there was a high degree of confidence that tests and training were correlatable to zero-g motion sickness that we would not have to take the tests and training.

Life Sciences was very enthusiastic about tests they are running in the KC-135 in the rotating chair at 30 rpm while moving said chair up and down with a volunteer Bible school group. They said the chair was continued to be rotated with subject during pullout which, in my opinion, has absolutely no correlation to zero gravity, thank God!

R. Johnston also insisted that "space motion sickness" was not an experiment--that space motion sickness was an operational problem and, therefore, anything that Life Sciences proposed should be a detailed test objective. Deja vu! All astronauts present objected vigorously to this absurd statement and should continue to do so. "Space motion sickness" work is clearly experimental as it has been for the last 15 years during which time probably 10 million dollars and considerable experimentation has not discovered anything!