



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

IN REPLY REFER TO: PA-9-6-80

June 28, 1969

Dr. Abe Silverstein
Director
National Aeronautics and Space Administration
Lewis Research Center
21000 Brookpark Road
Cleveland, Ohio 44135

Dear Abe:

When I saw you in Washington, earlier this week, I mentioned a memorandum I had written to you in October of 1960, starting some of our lunar landing work. I thought you would like to have a copy of this document. I particularly like the "OK - Abe" on it.

It was good to see you again after all of these years, and I look forward to having you in Houston during the flight.

Sincerely yours,

George M. Low
Manager
Apollo Spacecraft Program

Enclosure

File

DA-1

In reply refer to:
DA-1 (GML:lgs)

October 17, 1960

MEMORANDUM for Director of Space Flight Programs

Subject: Manned Lunar Landing Program

1. It has become increasingly apparent that a preliminary program for manned lunar landings should be formulated. This is necessary in order to provide a proper justification for Apollo, and to place Apollo schedules and technical plans on a firmer foundation.

2. In order to prepare such a program, I have formed a small working group, consisting of Eldon Hall, Oran Nicks, John Disher and myself. This group will endeavor to establish ground rules for manned lunar landing missions; to determine reasonable spacecraft weights; to specify launch vehicle requirements; and to prepare an integrated development plan, including the spacecraft, lunar landing and take-off system, and launch vehicles. This plan should include a time-phasing and funding picture, and should identify areas requiring early studies by field organizations.

3. At the completion of this work, we plan to brief you and General Ostrander on the results. No action on your part is required at this time; Hall will inform General Ostrander that he is participating in this study.

George M. Low
George M. Low
Program Chief
Manned Space Flight

cc: DD/Newell
DA/Sanders
DL/Cortright
DP/Wyatt
DL/Nicks
LA/Hall
DA-1/Disher

Low OK

llh