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10 March 1967

MEMORANDUM TO HEADQUARTERS

TO: [REDACTED]  
INFO: V. Webb, [REDACTED]  
FROM: [REDACTED]  
SUBJECT: WEEKLY ACTIVITY REPORT  
REFERENCE: [REDACTED]

Declassified and Released by the N R C  
In Accordance with E. O. 12958

NOV 26 1997

1. The referenced message reported the planned travel of the Resident Office Staff during the period 13 March through 24 March 1967. This memorandum will highlight the activity of the Staff for the period 6 through 10 March 1967.

2. Activity for the week of 6 March 1967.

Monday - 6 March

The Resident Office held a Staff Meeting. The following items were discussed:

1. [REDACTED] would provide the protection of their instruments electrically.
2. [REDACTED] would correct the Blossom T/M ground wire situation.
3. The analysis now being conducted of the GE Minimal Command System versus using the 32 Bit Shift Register. AP is doing a minimum analysis.
4. Future meetings, particularly the PET Meeting and the Computer Formatting Meeting both in Washington on the 14th. The subject of whether PET should be conducted after a mission which shows normal results were discussed. It was determined that PET Meetings should be conducted regularly after each mission in order to consolidate all data pertaining to that mission and to have one group which would conduct product evaluation.
5. [REDACTED] would be requested to return buckets intact insofar as is practicable after the film had been despoiled.
6. The status of the [REDACTED] ballast was discussed in detail. It was initially estimated that the asymmetric ballast would probably not be available here at AP for about 5 weeks. Subsequent conversations with Baker indicated that the asymmetric

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ballasts will be sent to AP on the 16th or 17th of March. [REDACTED] will also provide a shim to insure the proper retro rocket alignment with the pitch axis.

7. A CPX on the J-3 system will be held concurrent with the next launch of J-1 provided CALICO has been modified in time.
8. In view of the problems of on orbit heat of the payload that has been evident on the last two missions, the barrel and conic sections for J-35 have been checked for emissivity. It is apparent that the paint pattern will be modified somewhat for the next mission.

Tuesday - 7 March

The personnel from [REDACTED] were given a briefing and tour of the AP facility. In addition, several meetings were set up for exchange of information of interest to the visitors.

[REDACTED] met with Murphy and discussed the following subjects:

- A. The interface power requirements, especially the power peaks that will be generated by the payload. There is a possibility that the power peak may be about 50 amps with an average operation of about 26 amps. I believe that the Agena vehicle can handle this, but to prevent any possibility of its not being able to do so, it appears desirable to put in heavier gage wire in the Agena side of the interface. This does not seem to be a major job.
- B. Murphy indicated that [REDACTED] had given LMSC a feasibility study regarding Corona Surviveability. It appears that there will be a need for AP and/or [REDACTED] to look into the probability of delivering Corona instruments at a lower rate downstream. There is some belief that, in the event of anti-satellite action, Corona would have the better chance of surviving at a lower cost. Thinking is that there would be always a few Corona's available to pick up intel data in the event of neutralization of [REDACTED]
- C. The 32 Shift Register Command System versus the GE Minimal Command System. Murphy felt fairly strongly that (1) the SOC [REDACTED] would handle the target selection, (2) the STC would handle the target generation and (3) the STC and the tracking stations would handle command verification. I indicated that I thought that it would be more logical for AP to handle the command generation and develop the necessary software to interface with the STC and to assist the tracking stations in providing their command verification and software. This appears to be a major difference between [REDACTED] and this office. In a later conversation with Murphy, he indicated that he had sent a message to the DNRO indicating that the 32 shift register was technically feasible, however, there was one technical doubt regarding EMI and that it might be necessary to shield the core for EMI. He also stated in this message that the reliability should be

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good, that the interface would not be affected, and that the decision to use should be based on [REDACTED] requirements. He highlighted the fact that the software aspects of this should be subject to management agreement relative to the procedures.

- D. Murphy was briefed on the plan to provide RTC of the PG lights for PG-3, 7, 8, and 9.

Wednesday - 8 March

The visit of the [REDACTED] and [REDACTED] personnel continued. More information was exchanged.

Thursday - 9 March

[REDACTED]

Friday - 10 March

The Resident Office conducted normal administration, particularly looking into the problems of the availability of the asymmetric ballast and the need to send the high efficiency amplifiers back to [REDACTED] for running in a system. In the latter case, there was apparent that the high efficiency amplifiers had operated on one instrument only at [REDACTED] but when they were used for both instruments at AP, there was an unacceptable amount of cross-talk between the amplifiers resulting in some fluctuations and oscillations which require correction. Since the high efficiency amplifier is a module which can be substituted for the low efficiency amplifier while the instruments are in the barrel, there should not be much problem in meeting schedules, providing [REDACTED] corrects the problem.

[REDACTED] met with representatives of [REDACTED] and [REDACTED] at AP to insure that there would be a practical intermingling of these groups in a systems test area and product evaluations areas and to spell out the integration responsibilities of all of the associate contractors. It was agreed that [REDACTED] and [REDACTED] field representatives would be able to have access to the test area and the product evaluation area. It was also clearly defined that AP is the integration contractor and as such both [REDACTED] and [REDACTED] should be responsive to the schedule and work requirements of AP.

It was decided to use system J-40 instead of J-37 for the Mission 1041.

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J-37, which still is in a colored film configuration, is planned to be used for the June flight. The heat shields on J-40 would be questionable agewise if we retain them for the June flight.

Webb accepted PG-9 at [REDACTED]

[REDACTED] conducted a dry run of the material to be presented at the Computer Formatting Meeting at [REDACTED] on 14 March.

3. Future activities and comments.

- A. Computer Formatting User Information Meeting to be held at [REDACTED] on 14 March.
  - B. PET Meeting for Mission 1039 to be held at [REDACTED] on 14-16 March.
  - C. [REDACTED] of [REDACTED] to review spare parts and pyro requirements with [REDACTED] at AP on 15 March.
  - D. Final Design Review of the Payload/Vehicle to be conducted at AP on 21 March.
  - E. Program Managers' Meeting to be held on 22 March at AP.
  - F. Negotiations with AP on the J40-50 schedule extension to be held at AP on 23 March.
  - G. Negotiation with [REDACTED] and [REDACTED] on J-3 added scope items to be held at their respective facilities during the week of 27 March.
- [REDACTED]