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Copy No. [REDACTED]

1 February 1968

MEMORANDUM TO HEADQUARTERS

TO: [REDACTED]

INFO: [REDACTED]

FROM: [REDACTED]

SUBJECT: Monthly Activity Report - January 1968

1. The following activity report is a summation of important events in the CORONA program which occurred during January 1968. The chronological order of events are summed in the Weekly Activity Reports.

2. J-45 - On 24 January 1968 J-45 was launched. An anomaly occurred on Rev. 86, Link 1 TM was lost. This prevented the tracking stations from verifying commanding sent to the payload. Due to the extent of the failure the back-up link, Link 2, was turned on only once per day, as programmed. Further investigation in this anomaly was to be made; however, no results are now obtainable. As a result of this problem an early "A" to "B" transfer was undertaken and an early recovery of the "A" bucket was successfully made on 31 January. The early transfer resulted in a loss of approximately 200 cycles; however, it decreased the probability of a failure which would result in loss of the "B" bucket.

3. CR-3 - During the month of January 1968 the CR-3 system underwent post environmental modifications. Special UTB tracking tests were performed by the [REDACTED] office in preparation for a split load of 3404 and SO-380 planned for CR-3 flight. Block tests run between 26-31 January 1968. CR-3 is scheduled for an April launch date.

4. CR-4 - During January CR-4 completed CTI testing. The new power supply was installed and testing is underway to determine the effect on the nod dots. This evaluation will not be completed until the first week in February. The problem in the nod dots was covered in December's monthly report.

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5. CR-5 - During the period 29-31 January 1968 CR-5 was bought off from [redacted] system tests have been started at [redacted]. The schedule for the CR-5 system is as follows:

DISIC Interface Tests	20 February 1968
Tracking Tests	11 March 1968
Functional Tests	2 April 1968
Hivos	1 May 1968

6. QR-2 - During January the pre-environmental preps were made and on 16 January QR-2 started Hivos testing. A 20-day Hivos test was planned for this system to fully evaluate UTB modifications and a maximum 20-day mission. The DISIC subsystem incorporated a non-grounded roller system to try to reduce Corona markings, also an anti-jma circuit was included and its performance tested. At day 10 of Hivos testing an anomaly occurred which failed Instrument No. 1. The system was removed to AP and the anomaly was investigated. The unit was returned to Hivos chamber on 30 January. An investigation is still being conducted in connection with this problem. It does not appear that removal from Hivos will invalidate the 20 days' duration qualification of J-3 in the space environment.

7. Shift Register - A meeting at Sunnyvale on 17 January was held to discuss the shift register progress. Engineering problems were discussed and redesign of some components is mandatory. This redesign is still in progress and a substantial slip in delivery date will result. Impact on the scheduled flight date of CR-6 with a shift register is under investigation.

8. DISIC Subsystem - During January the DISIC subsystem S/N 5 was sent back to [redacted] for the incorporation of an anti-jam circuit. This circuit was installed and tested at [redacted] and is ready for shipment back to [redacted]. The modification is being tested in S/N 6 during QR-2 Hivos testing. A meeting at AP on 16 January resulted in approval of a DISIC and boot baffle redesign for CR-3 and future flights.

9. COMET - The COMET (CORONA Mission Estimating Technique) program is in the final stages of development at AP. The program is expected to be utilized in connection with flight of J-48 scheduled for launch in March 1968.

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