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BYE-108062-70  
Copy 10 of 14  
7 August 1970

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 52

I. CORONA

A. Accomplishments

1. Mission 1111 (CR-12) continues to operate satisfactorily with approximately 87 percent of the second half completed. The first half of this mission has received an MIP of 105 from photography at 129 NM altitude. Though a subjective number, this MIP indicates the very good technical performance of CR-12. Recovery of the second half is tentatively planned for Sunday, 9 August 1970. PET meeting is scheduled for 25-26 August at NPIC.

2. Review of the imagery obtained with glass and gelatin filters resulted in a decision to use gelatin filters for the remaining operates.

3. All systems are now located in Building 152 and activities are normal. The formal class sessions for training of technicians have been successfully completed. Work of setting up collimators continued.

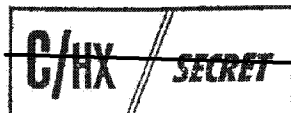
4. The 1004 has been disconnected, crated and is scheduled for pickup today.

5. Itek West Coast has completed initial testing of a newly designed slit fail-safe cam. The new cam will provide increased flexibility for fail-safe slit selection and eliminate necessity for cam changes. Some redesign and additional tests will be completed prior to system flight use.

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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**B. Problems**

None.

**C. Projected Status**

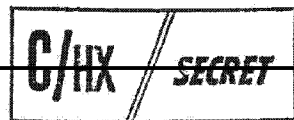
1. CR-13. Pre-storage preparation.
2. QR-2. Backup storage.
3. CR-14. Out of temporary storage. Currently in pre-storage preparation.
4. CR-15. Out of temporary storage. Preparation for tracking tests is in process.
5. CR-16. Received at Bldg. 152 from Itek West Coast and currently in incoming acceptance test.
6. CR-8. Buy-off scheduled 11-12 August 1970.

**I. HEXAGON**

**A. General**

1. A briefing was presented to the Director of Special Projects by SSC on the application of near real time readout to the HEXAGON system. Mr. Crowley stated after the meeting that he would like to have the briefing reduced in length and, with certain modifications, presented to the Technical Advisory Panel at their meeting of 23 August.

2. Discussions were held with SSC on the schedule for delivery of systems under the current contract. At the present time, SSC is still planning their manpower levels to support a delivery schedule which calls for the delivery of the sixth item in May 1971. The Government need date for this item is September 1971. The contractor was notified that the Government intends to enforce the delivery schedule in the contract and that all work on the follow-on program should be



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limited to long lead time requirements necessary to support a December 1971 delivery of the seventh flight unit. The contractor has expressed concern over the way the schedule is now carried in the contract and has asked for an opportunity to discuss a rescheduling plan. This has been tentatively set for 25 August.

3. P.E. presented to Headquarters, SETS and PSO (Project [redacted]) their plan for control and acceptance of spares. The procedure and data package appear to be adequate. Quite a few AVE spare boxes have been received and are being controlled by the property accountability people at P.E. following our buy-off; these of course, will become GFE. Additional changes, "ECO's", can be expected to these boxes because the qual program on some of the black boxes has not been completed. However, contractor still has the responsibility to maintain configuration of spares.

4. P.E. is starting to put together a "pipe line plan", which would describe how they will replace a spare in the event the spare had to be used in the manufacturing flow.

5. P.E., SETS, and EK agreed Thursday on the design of a gauge which will measure the core pressure of each film roll. The only core modification required is the incorporation of six small metal blocks on the outer ring which will allow the necessary displacement measurement for the determination of core pressure. EK will make the gauge. This will be at no cost to the Government. P.E. will make the small targets and install them on the cores. There will be three measurements made per side of the film roll making a total of six blocks on each core. The only other possible modification may be to a polyurethane pad on the supply brake. For S/N 003, if this retrofit is necessary, it can be done when the flight film is loaded in the field. This device is required by 1 October.

6. EK performed a series of film processing tests during this week using Type 1414 film and MX-641 Chemistry. Their tests were designed to verify replenishment rates and other parameters which P.E. is trying to achieve in their processing lab. P.E. decided processing parameters can be achieved but we may have to deviate slightly from our initial processing specs. This does not appear to be too critical.

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7. The QA/QC activity at SSC/WCFO was reviewed and found to be well organized and operating well.

SSC has nine (9) people and is requesting five (5) additional to support the increased effort through January 1971. The policies are clearly established (Section 17 of SSC QA Manual), and the implementing procedures are being completed.

The head of the WCFO reliability reports to the Manager of QA at Danbury and serves as the QA representative on the field MRB. The field group provides a daily QA Report and a Weekly Field Inspection Report to SSC and to WCPO.

The QA operation conducts a shift carry over briefing and discusses the QA log with the new shift. Notably, a shift is not closed until all of the paper work is completed; reports, forms, briefing, etc.

In the future, the WCFO QA office will send a team to SSC prior (approximately one (1) week) to shipment of flight models. The team will review applicable documentation and will conduct an inspection of the AVE. A subsequent Receiving Inspection Report at SVIC will provide a basis for comparison of vehicle status before and after shipment. Ostensibly, the WCFO/QA has reject authority - it will be interesting to see how this works in practice.

It was suggested by the WCFO/QA that any future ICD's (not probable in this program) include QA/QC controls to assure compatibility. Such uniform controls would preclude some of the administrative/management problems which have developed between contractors.

8. Field Test Instruction written by SSC/WCFO are reviewed and approved by WCPO. These instructions are similar to MRB actions relative to equipment and procedures; WCPO approval is most advisable.

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9. WCPO and SSC/WCFO conduct pre-meetings prior to participating in the SVIC chaired Engineering Buy-off meetings after tests. Summary reports of the meetings are written by SVIC and a copy provided to WCPO. It is planned that Flight Readiness Certification meetings and reports will be conducted and reported in a similar manner.

10. A summary report of test activity on a per system basis will be provided by WCFO and will include the QA activity as well as the engineering and test information.

11. In the OOPS meeting held Monday, 3 August, the problem of tape recorder management was discussed. The recording demands on the vehicle tape recorder and the playback opportunities over a tracking station appear to dictate the use of POGO as a tape recorder readout station. Since delivery of magnetic tapes from POGO normally takes from seven to ten days, reduction by the 360 of operational telemetry data contained in tape recorder dumps over POGO for post flight analysis activities will be delayed significantly.

12. The reliability of microcomparator data input to the FIDAP software was discussed with Capt. Busch of Westover. Westover personnel plan further microcomparator readings of the P-1 material to determine the reliability and to provide a correlation between the microcomparator and the auto-microdensitometer.

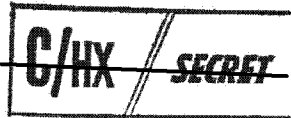
13. [redacted] met with Messrs. Verjinski and Melville to discuss processing requirements for the [redacted] R. Balsam from MRI will be bringing his first program to the facility 11 August.

14. New procedures and standards for data transmission on the SSTC 2701 data link have been coordinated and implemented.

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15. The program to produce two reports from the inventory master file [redacted] has been completed. The inventory master update program is continuing.

16. The technical staff has completed a program (UNIVAC 3300) to read and compare paper tape to magnetic tape. The program has been used successfully.

### III. MODEL STATUS

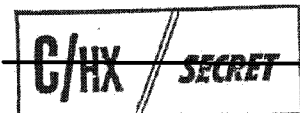
#### A. Development Model (SDV-III)

1. During the post acoustic vertical baseline of D Model Sensor Subsystem, the "B" side camera appears to have bound in the area of the fine film path. The B side camera (mono B Task 6.6 of FTI WVT-30003. The camera shut down without an ESD: after the four programmed shutter cycles, however, capstan and tension sensor performance during the run was somewhat erratic and during rewind the capstans saturated. No subsequent operations were attempted on the B side.

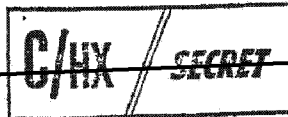
2. In addition to the "B" side malfunction, the "A" side entered a self-generated ESD condition while attempting to run task 6.5 of FTI WVT-30003. The ESD was a result of low input tension.

3. "A" Side Camera - Upon removal of the "A" side looper cover, Looper "A" was found to be jammed by a (one) screw. The screw had apparently backed out of the flexure installation at the frame articulator/looper interface. (This flexure is located between the output of the "A" side looper and the input to the "A" side film chute.)

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4. "B" Side Camera - When the "B" side looper cover was removed, two screws were noted missing from the flexure installation at the frame articulator/looper interface. (In the case of the "B" side, this is at the input to the looper.) The missing screws apparently allowed the flexure mounted roller to skew the film, which subsequently produced a fold-over in the film drive assembly area.

5. Findings to date indicate the screws mentioned in paragraphs three and four came loose during acoustic test and were sole cause for both "A" and "B" side failures. These screws showed no signs of having been epoxied. All missing hardware (screws, spacers, washers) has been located and removed from the system. (with the possible exception of one washer).

6. The decision was made to discontinue testing and move the vehicle out of the acoustic cell into the vertical integration stand where the shroud was removed (6 August 1970). The cameras will be accessible for inspection during the evening of 6 August. A detailed report of the failures will be submitted as soon as the cause of the failures has been established.

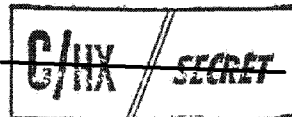
B. SV-1 (S/N 003)

Midsection

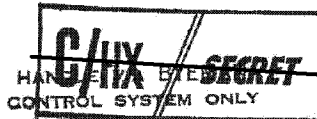
1. In-air chamber preparation tests were completed on 6 August and film processing and evaluation is in work at this writing. If all is well, chamber pumping will commence Saturday, 8 August, and the 70° test should commence either Sunday night or Monday morning. The system is reported to be tracking well.

2. Several electronic boxes are scheduled to be changed prior to shipment with the exception of the MFA (Measurement Filter Assembly) which is a non-critical box. This box will be replaced in the field. The other boxes will be replaced following Chamber "A" testing and a system baseline will be run to reverify performance. The boxes which have been fully qualified will receive a normal acceptance test at the vendor. Boxes which have not been fully qualified will receive a functional test at 70°, 40°, and 100°.

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q 3. The "kluge" box which contains the logic circuitry for the platen stop switches will be removed after chamber testing since it is not of flight configuration. P.E. has no plan at this time to put in a flight configured box since the design is not complete. Flying S/N 003 without this feature may not be too severe a risk because: (1) the black boxes which cause the P-1 platen failure will have been replaced, and (2) the OB servo box will have the fix in it which stops OB creep. OB creep had contributed to the "platen kissing" problem. The stop switch feature is a precautionary one and not mandatory for performance.

#### Forward Section

1. Ten of the thirteen forward section cables have completed R&I and have been installed in the FS. Completion of the checks on the remaining three cables has been delayed due to missing AGE adapter cable connectors.

2. MWC now estimates that they will complete their mods on the first RV no sooner than 14 August. (The TUA's will remain in the AGE dollies until MWC mods are complete.)

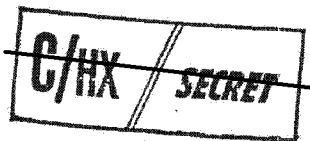
#### C. SV-2 (S/N 002)

The TCA is in the clean room. Platens and film drives are not yet available for installation. Midsection testing in Ready Room "A" is scheduled to start on 15 August.

#### D. SV-3 (S/N 004)

1. P.E. is evaluating a change in the TCA buildup plan which would allow pre- and post-TCA vibration baseline to be determined using the loopers instead of putting the TCA in the SBA simulator. The major advantage of doing this is a 20-day time saving. The major disadvantage appears to be lack of knowledge regarding the coarse

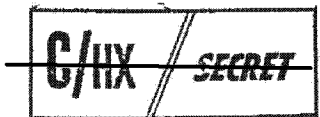
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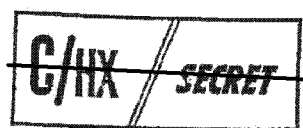
film transport system, since there is no simulated supply or take-up under this scheme. Another unknown at this time is the extent of data we can get on the fine film transport system. However, this is still under study and the complete picture is not known at this time. This plan would allow P. E. to go on a single 10-hour shift.

2. S/N 004 is still waiting for platens and film drives to complete TCA buildup.

III. Meetings Requiring Participation of Headquarters Personnel

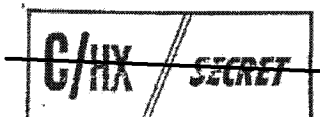
| <u>Date</u>  | <u>Subject</u>                                       | <u>Attendees</u>     |
|--------------|--|----------------------|
| <u>P. E.</u> |  |                      |
| 8-16 Aug     | Monitor S/N 003 Chamber "A" Acceptance Tests         | <input type="text"/> |
| 12 Aug       | Review Planning for Technical Advisory Board Meeting | Patterson            |
| 13 Aug       | Modular Measurement Package Review                   | <input type="text"/> |
| <u>LMSC</u>  |  |                      |
| 12 Aug       | RV IFWG  | <input type="text"/> |
| 13 Aug       | Schedule IFWG  |                      |
| 14 Aug       | Ops IFWG   |                      |

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SUBJECT: Photo Reconnaissance Systems Report No. 52

| <u>Date</u>         | <u>Subject</u> | <u>Attendees</u>               |
|---------------------|----------------|--------------------------------|
| <u>Westover AFB</u> |                |                                |
| 11-13 Aug           | CCB Meeting    | Patterson (11 only),<br>Kohler |

|             |  |                      |
|-------------|--|----------------------|
| <u>WCPO</u> |  |                      |
| 13-14 Aug   | Sequencer (13A1) Technical Interchange | <input type="text"/> |

|             |              |                      |
|-------------|--------------|----------------------|
| <u>Itak</u> |              |                      |
| 11-12 Aug   | CR-8 Buy-off | <input type="text"/> |

Annual Leave

10 - 21 August

Messrs.

TPA/PRS/OSP

- Distribution:
- Cy 1 - D/OSP
  - Cy 2 - DD/OSP
  - Cy 3 - D/PRS/OSP
  - Cy 4 - EO/OSP
  - Cy 5 - C/D&AD/OSP
  - Cy 6 - CB/OSP
  - Cy 7 - C/PAD/OSP
  - Cy 8 - C/SB/OSP
  - Cy 9 - C/SS/OSP
  - Cy 10 - RB/OSP
  - Cy 11 - PRS/File
  - Cy 12 - PRS/Chrono
  - Cy 13 -
  - Cy 14 -

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12-67 2820

CLASSIFIED MESSAGE

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(When Filled In)



FILE INFO

REPRODUCTION PROHIBITED

7 AUG 70 15 32z

|        |   |    |    |    |
|--------|---|----|----|----|
| ACTION | 1 | 6  | 11 | 16 |
|        | 2 | 7  | 12 | 17 |
|        | 3 | 8  | 13 | 18 |
|        | 4 | 9  | 14 | 19 |
|        | 5 | 10 | 15 | 20 |

IN 73115

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IMMEDIATE  PLUM INFO IMMEDIATE CHANGE, PILOT

REAGIN-Y

• 1111-2

B. THERE IS AN URGENT REQUIREMENT FOR COVERAGE IN THIS SECOND BUCKET OF THE FOLLOWING AREA THAT FALLS BETWEEN THESE COORDINATES: 31-10N, 32-20E

31-20-30N, 32-30E

C. REQUEST CAPABILITY TO CONTINUE FOR 19 DAYS, THE OPTION NUMBER 1, AS PERIOD MAINTENANCE IS ALL THAT WOULD BE REQUIRED. REQUEST HASC/PLUM VERIFY AND INDICATE THE OBLIQUITY OF THESE TWO POINTS.

OPTION 2 IS TO UTILIZE DMU FILING PATTERN THAT WOULD POSITION REV 277 OVER THE STATED AREA AS CLOSE TO NADIR AS POSSIBLE.

REQUEST  PLUM ANSWER ASAP AS TO WHICH OPTION IS MOST FEASIBLE

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T

(b)(1)  
(b)(3)

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14 DEC 08 0830

PRS

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14 August 1970

**GSP REGISTRY FILE COPY**

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 53

I. CORONA

A. Accomplishments

1. Mission 1111 (CR-12) was recovered during rev. 301 on 10 August. Evaluation, although not completed, indicates the second half of Mission 1111 is as good as the first half, which was assigned an MIP of 105. The problem of improper instrument stow continued throughout the "B" portion of the mission but did not impact on the photography.

2. All parts for improving the dual data signal conditioners have been received, and some should be completed during this next reporting period.

3. The QR-2 post-storage audit has been completed.

4. SAFSP requested a review to determine the feasibility of providing pressure make up (PMU) gas to the DISIC unit during its operates. Engineering analysis indicates that adequate pressure is available and that modifications are minor; however, this mod probably cannot be incorporated if the next flight is in September. A flight date during October or November probably will contain this change.

5. CR-8 completed its acceptance at Itak. This concludes all CORONA hardware work at Boston.

6. A meeting was held with LMSC and VAFB personnel concerning the checkout of the DLT-310 data link terminal at VAFB and other transmission problems. LMSC and VAFB began checkout of the new DLT 310 this week. Initial results indicate completely successful testing. The A/P 1004 data transmitter has been returned.

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7. The facility move has been successfully accomplished with a minimum amount of interference. The systems are currently being processed with new LMSC technicians. Numerous small problems are being resolved as Bldg. 152 becomes more involved with the CORONA effort; however, these problems were expected in moving into an extensively renovated building. All personnel involved did an outstanding job. The A/P facility is still forwarding items to the depot and restoring the contractor buildings, but the closeout date of 1 September should be met.

B. Problems

None.

C. Projected Status

1. CR-13. Pre-storage preps.
2. QR-2. Post-storage.
3. CR-14. Pre-storage preps.
4. CR-15. Tracking.
5. CR-16. Mods.
6. CR-8. Clean up and ship preps.

II. HEXAGON

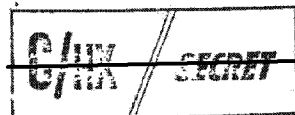
A. General

1. The revised SSC QA manual has been received and is being reviewed by Headquarters, SETS, and [redacted]. A cursory review thus far discloses that organizational and policy inaccuracies

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exist as well as some procedural deficiencies. Notably, there is no reference made to the WCFO QA/QC responsibility, and it is not even noted on the organizational chart. Secondly, there is no responsibility assigned for QC review or approval of manufacturing, test, trouble shooting, or disassembly/reassembly procedures. A later edition ostensibly will be issued soon but will be held until subsequent to receipt of the Headquarters comments to the recent issue.

2. SSC is preparing for FACI on S/N 003. Thus far, no specific S/N 003 FACI data package has been transmitted to Headquarters or SETS. Headquarters and SETS have most of the basic applicable test procedures however, and have reviewed them. The annotated test procedures as they become available are being provided to the NEPO for our review there. No test reports are available yet except for O. B. data, which has been reviewed by Headquarters.

3. Discussions were held with Perkin-Elmer personnel concerning modification to the present formats of the MMP's (Modular Measurement Packages), which are the computer programs for assessing the electrical/mechanical performance of the sensor, or replacement of some of the MMP's with the MACFACT program, the purpose of the changes being to reduce computer time and/or provide a more useful summary presentation. Perkin-Elmer agreed to consider the changes and will respond within one week after receiving the card deck for the latest MACFACT revision which should be approximately 21 August.

4. AC's quote to P.E. for SSTC spares came in at \$650K, broken down as follows:

- \$450K - spares manufacturing
- \$100K - acceptance testing
- \$ 50K - Program management
- \$ 50K - R&I, transportation, QA, etc.

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P.E. is going to ask AC to requote based on a 50% reduction in spares quantities (for items more than one), deletion of AC's conduct of the acceptance tests (P.E. will propose on this job), and reduction in the last two categories. Headquarters will review this issue with P.E. on Wednesday, the 19th. Delivery of SSTC spares is now projected to commence in September and end in November.

5. [ ] the POS Commander, and three of his staff, met with HEXAGON personnel on Wednesday and outlined milestones for the logistics activity for the next several months. The following schedule is planned:

A. AUGUST

- (1) Complete the Material Support Plan.
- (2) Provide comments to P.E. on their spares policy.
- (3) Receive PSO's comments to P.E.'s Maintenance Philosophy.
- (4) Get PSO's concepts and understanding of how they will support the GFE for the follow-on program.

B. SEPTEMBER

- (1) PSO will formulate their proposed inventory control plan for the follow-on.
- (2) P.E. is to work up an accountability plan for replacing spares in the event they are required in the manufacturing line.

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C. OCTOBER/NOVEMBER

(1) P.E. to recommend initial spares list for the follow-on program.

D. DECEMBER/JANUARY

(1) Provisioning conference for the follow-on program.

6. Discussions were held at the WCPO with SSC/WCFO personnel regarding FLIP, MACFACT, and Danbury software. Agreement was reached to make SSC/WCFO responsible for the development of a revised FLIP Program which will take advantage of the Danbury software capabilities.

7. The final format of the HEXAGON Operations Performance Estimate (HOPE) message was documented by WCPO personnel.

8. Memorandums have been distributed to all West Coast computer facility users to the effect that the release 18.6 of the IBM 360/ operating system will be operational during the prime shift beginning 24 August 1970.

9. Messrs [redacted] from SSC presented a briefing to the WCPO on the TACOS system.

10. SETS personnel visited the West Coast computer facility for testing of MACFACT and SAP Programs.

11. Messrs. Verjinski and Melville met with CALCOMP. A software agreement was signed, and an installation date was established for a 15 September delivery of the CALCOMP plotter.

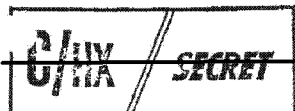
12. During the past week, 751 jobs were processed on the West Coast computer using 13 hours CPU time, 168 hours of elapsed time. A breakdown by user organization is available.

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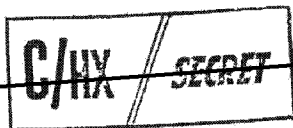
13. Following the problem resulting from the jack screw in the platen, a review was made of SSC's QC control in the high-bay area. It was determined that there are inadequate operating instructions and checking procedures carried out in the assembly and disassembly of subsystems in the high-bay area. The Contractor was advised that unless his quality assurance procedures were improved that the Government would take steps to establish a Government inspection service at the plant. They were also informed that the project resident personnel would be directed to stop work at any time they considered proper practices and procedures were not being followed.

14. A discussion was held with Messrs. Robertson and Malin regarding Robertson's concern that the two groups, i. e., the Contractor and the Government, were slipping back into the mode that we were in at the time of the "Love-In"; that is a mode of mistrust and game-playing. In questioning him with regard to his concern, he indicated that he thought the Government was waiting them out with regard to the schedule change. He was assured that the schedule that was in the contract was in fact the schedule the Government expected them to deliver on and that he was remiss in not having taken immediate steps to get the program on that schedule. It was made very clear to Mr. Robertson that there was no game-playing, that the Government had not intended to change the schedule so that they could come in with a cost change on which they hope to collect fee. It was pointed out that the schedule slippage was the sole responsibility of the Contractor, and that while the Government must pay the costs involved, there would be no consideration for fee on any of these costs. This subject will be raised again by Maguire after he returns from his vacation.

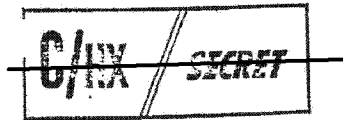
15. The quarterly meeting of the CCB took place at Westover (AFSPPF) on 11, 12 and 13 August 1970. The meeting was broken into two parts. Part One was a symposium on non-conventional materials and included presentations by several film manufacturers including Eastman Kodak (Diaz), Horizons, Inc. (Free Radical), 3M (Dry Silver).

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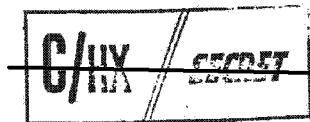
DuPone (Dylux) and Itek (RS). Presentations were also made by potential non-conventional duplication equipment manufacturers including Fairchild Camera, Perkin-Elmer, AIL Information Systems and Baird-Atomic. The highlights of this part of the meeting were as follows:

- a) E.K. has developed a new Diazo duplication material. It is very high resolution and very slow.
- b) Horizons Free Radical duplication film is in production, and the first shipment has been made to Westover. The resolution of the duping film is in excess of 900 c/mm low contrast.
- c) 3M is nearing production on their dry silver duping films and papers.
- d) Itek RS has demonstrated high resolution in their Niagra tests.
- e) DuPont is considerably behind Horizons in their free radical work.
- f) Fairchild and Perkin-Elmer are both making a Horizons heat fixer (on their own) for use with Horizons duplication film.
- g) Separate discussions were held on the 3M and Horizons camera speed films and a separate report will be made.

Part Two of the CCB Meeting (the regular meeting with E.K.) began on 12 August. The highlights of this meeting were:

- a) There is a potential problem with a strike at E.K. on the finishing of the HEXAGON expansion program at E.K. Work-arounds, however, will minimize the severity of this problem.

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b) E.K. presented a detailed analysis of the impact of increased amounts of SO-255 (UTB SO-242) on their production for GAMBIT. Black and white duplicates of the color could be delivered (for 4,000 feet of color) only two days later than normal. All color dupes, however, would take up to 30 days longer to produce than normal. The lack of color equipment is the real problem.

c) Status reports on the following current PAR's were given:

- 1) PAR 157S/R1, Contrast Printing Distortion
- 2) PAR 29-9-3S/R1 - New and Improved Image Evaluation
- 3) PAR 164B, Operable Breadboard Automatic Label Printer
- 4) PAR 170B, Advanced Printer for Continuous Exposure Control
- 5) PAR 165B/R2, Pre-Splice Complex
- 6) PAR 172S, Duplication (It should be noted that this PAR has resulted in significant improvements in the quality of duplicates delivered.)

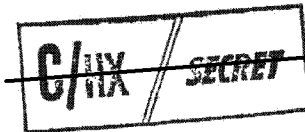
d) Several new PAR's were submitted. These are listed below with the action taken by the CCB:

- 1) PAR 24-0-11S, Haze Forecasting and Climatology - Approved.
- 2) PAR 184B, Interframe Density Control Color Printer - Approved.

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- 3) PAR 185S, Interframe Color Control Lamp-house Study - Deferred.
- 4) PAR 187S, Abrasion Protection for Color Acquisition Films - Deferred.
- 5) PAR 188S, Improvements to Mensuration Accuracy - Deferred pending NPIC review.
- 6) PAR 189S, Color Processor Definition Study - Deferred.
- 7) PAR 186, Contract Monitoring, Coordination and Liaison - Approved.

The next CCB meeting will take place in November and be hosted by Headquarters.

### III. Model Status

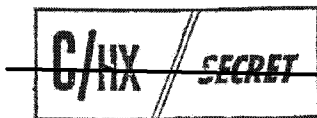
#### A. Development Model (SDV-III)

1. The film path was repaired, and the system functionally tested in the vertical integration stand. On completion of the functional test, the system was moved to the horizontal position in order to accomplish the following major pieces of work:

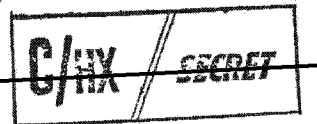
- a) Reload the supply
- b) Replace the OB encoder
- c) Reinstall the TU2A EMI filter
- d) Check out the TU3B electronics

Items a) and b) are currently under way; items c) and d) are complete. All work is estimated to be complete on 16 August.

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2. During the disassembly of the supply, a caging band broke due to high tension. The problem has tentatively been identified as loose screws on a control pulley. In inspecting the supply, several screws were found which were not epoxied (the same type workmanship problem which caused the film transport problem after the acoustic test). The supply is currently undergoing a complete and thorough inspection. The new caging band is on order from Danbury.

B. SV-1 (S/N 003)

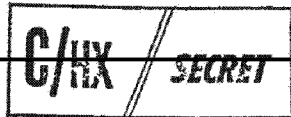
Midsection

As of Friday morning, 14 August, P.E. is waiting for film evaluation data and the decision to pump down and commence acceptance tests. The decision is expected this afternoon which would allow commencement of the 70°F "factory adjustment" tests sometime Sunday. Personnel from the Project Office are at P.E. for this activity. P.E. is now predicting a 2 September ship date barring any failures. This assumes:

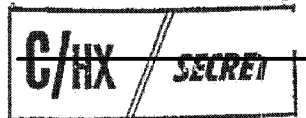
- a) Completion of 70° tests - 16 August
- b) Completion of 47° tests - 20 August
- c) Completion of 90° tests - 24 August
- e) Complete electronic box replacement & reverification - 28 August
- f) Complete vertical baseline & shipping preps - 2 September

The in-air test runs in the chamber during the first of the week showed excessive smear and film scratches on the "B" camera. This was caused by some platen screws which were insufficiently backed off. These screws have been adjusted and the in-air tests rerun. In addition, the aperture block and the 40 Hz box on the "B" side were changed - a light pipe was crimped and a prism was tilted.

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Forward Section

All SSC cables have been installed in the F/S structure. The structure has been turned over to SBAC for modifications and cleaning. The modifications of articulator trays are still in progress. The TUA's remain removed from the RV's awaiting completion of MWC mods.

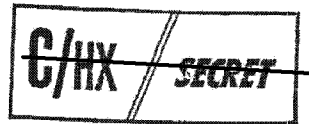
**C. SV-2 (S/N 002)**

A TCA acoustic assurance test has been added to the flow, and the test will be run next week. Both platens are installed. Platen and optical bar servos are now being checked in the clean room. Ready Room "A" tests are now scheduled to start on 20 August, a slip of five days in the last week. Forecast ship date is now 11 October.

**IV. Meetings Requiring Participation of Headquarters Personnel**

| <u>Date</u> | <u>Subject</u>                                  | <u>Attendees</u>         |
|-------------|---|--------------------------|
| <u>P.E.</u> |   |                          |
| 15-22 Aug   | Monitor S/N 003 Chamber "A"<br>Acceptance Tests |                          |
| 19 Aug      | Dry Run of Consultants'<br>Briefing             | Patterson                |
| <u>HQS</u>  |   |                          |
| 20 Aug      | Managers' Meeting                               | Patterson                |
| 20-21 Aug   | MACFACT Review                                  | Patterson, Burks,<br>[ ] |

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| <u>Date</u>    | <u>Subject</u>   | <u>Attendees</u>     |
|----------------|--|----------------------|
| <u>LMSC</u>    |  |                      |
| 18 Aug         | EMI Control Board                                      | <input type="text"/> |
| 19 Aug         | Quarterly Technical Meeting                            | <input type="text"/> |
| <u>TOPOCOM</u> |  |                      |
| 19 Aug         | Color Task Force Briefing                              | Kohler               |
| <u>SETS</u>    |  |                      |
| 18 Aug         | Coverage Requirements                                  | <input type="text"/> |
| <u>EK</u>      |  |                      |
| 18 Aug         | Facility Orientation Visit<br>for <input type="text"/> | <input type="text"/> |

PMO/PRS/OSP

Distribution:

- Cy 1 - D/OSP
- Cy 2 - DD/OSP
- Cy 3 - D/PRS/OSP
- Cy 4 - EO/OSP
- Cy 5 - C/D&AD/OSP
- Cy 6 - CS/OSP
- Cy 7 - C/PAD/OSP
- Cy 8 - C/SB/OSP
- Cy 9 - C/SS/OSP
- Cy 10 - RB/OSP
- Cy 11 - PRS/File
- Cy 12 - PRS/Chrono
- Cy 13 -
- Cy 14 -

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