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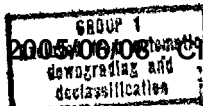
NPIC/TSG/ [redacted]  
10 November 1970

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MEMORANDUM FOR: Chief, Technical Services Group, NPIC  
SUBJECT : Projects & Programs Staff Monthly Report - October 1970

A. During October, the Projects & Programs Staff conducted staff functions for TSG [including 1) administrative and support services for the Group, 2) continuous control and coordination of all TSG requirements and work orders, 3) working level liaison contact with PPBS on budget matters, and 4) with PSG on production matters] and was also involved in the following actions:

1. Provided extensive coordination activities in preparation for the Five Year Plan. Draft reports from the divisions covering the ADP Annex and Accomplishments for the calendar year 1970 were received and combined into single documents for the Group. These were coordinated with PPBS.
2. Maintained coordination with PPBS, IEG, and PSG in the matter of Requirements. This coordination is necessary to replace the former PMB activities. During the month, over 150 individual requirements or work orders were processed, and although most were routine, a number of these required detailed coordination with other groups.
3. Continued further progress toward establishing a project status report covering all group requirements. This system should be operational in November.
4. Provided coordination with PPBS to unify the Center's color requirements which achieved partial success. We are continuing coordination in this area in support of PPBS and the Color Task Force.
5. Coordinated parking problems with the Support Staff. In particular, the Staff assisted in a study to determine the degree of utilization of assigned parking permits and coordinated redistribution of some permits following the study.
6. Participated in the NPIC Team Coordinating Building Modifications for the 1540 Light Table. This work primarily consisted of getting the names of escorts from the divisions, briefing escorts as necessary, and giving the names to Logistics Staff. A revision of the escort duty schedule was carried out at the request of ESD.



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SUBJECT: Projects & Programs Staff Monthly Report - October 1970

7. Arranged and coordinated a series of briefings and tours of TSG, including visitors from the [redacted] and TOPOCOM. Also arranged for TSG personnel to attend the two-day lecture on Narcotics at Headquarters.

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8. Provided TSG representation at the NPIC Training Selection Panel on 14 and 22 October.

9. Provided the Permanent Secretary for the TSG Career Panel who prepared documentation and coordinated activities for the meeting that convened on 20 October. Required reports were submitted to the secretary of the NPIC Career Board during the month.

10. Provided the Group Chief with a survey of the floor space occupied by TSG in preparation for reorganization and relocation of selected components.

11. TSG, Office of the Chief, provided for the EXRAND meeting of October, its planning, agenda, proceedings, minutes and supplemental papers. Considerable progress has been made in Community coordination of R&D projects, joint procurement, update of the national objectives and matching these objections to the on-going or future projects. The month of October brought a culmination of a listing of all Community Exploitation R&D projects, and an assessment of savings to the government due to community-wide coordinated procurements. NPIC personnel involved in these activities are [redacted].

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[redacted] Detailed reports covering these actions will be submitted and published through COMIREX. TSG provides the EXRAND Chairman, Executive Secretary, Secretary and Chairman of the Task Team (NPIC member).

B. During November the following significant actions are anticipated:

1. Arrange the TSG Career Panel meeting to convene on 24 November to consider promotions to GS-11 and GS-13.

2. Arrange and coordinate Center efforts to host the CIA Research and Development Coordinating Board Conference at NPIC on 19 November.

3. Analyze and report on domestic travel and training expenditures and estimates through December.

4. The publication of the NPIC Equipment Summary 1970.

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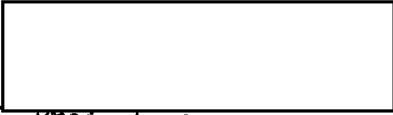
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SUBJECT: Projects & Programs Staff Monthly Report - October 1970

5. Arrange for a series of tours of PSG for TSG employees.
6. Arrange for a briefing by IBM on some new equipment for TSG.
7. Submit final papers for the FY-73-77 Budget to PPBS. This includes the final write-up of the CY-70 Accomplishments, all program narratives, and all spread sheets. The final TSG contribution to the Five Year Plan ADP Annex will be sent to AID.
8. The EXRAND meeting of November will feature a special briefing by NPIC expertise on the future color material equipment projects. EXRAND will also act as agent for distributing the declared surplus of 940-type light tables to be made available during CY-1971 by NPIC.

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Chief, Projects & Programs Staff,  
NPIC/TSG

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[Redacted]

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MEMORANDUM FOR: Chief, Projects & Programs Staff,  
TSG/NPIC

SUBJECT: APSD Activity Report for October 1970

1. The following items of significant interest occurred in the APSD during October 1970:

A. Administrative

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(1) [Redacted] completed the Agency mid-career course on 9 October 1970. A memo he subsequently wrote concerning items mentioned in the course that may be of interest to NPIC has had wide dissemination within the Center.

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(2) [Redacted] entered on duty in APSD on 19 October and has been assigned to the Image Evaluation Branch.

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(3) [Redacted] of the Image Evaluation Branch resigned from the Agency on 16 October.

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(4) [Redacted] attended the Advanced Planning Management course at [Redacted] this month.

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(5) [Redacted] was assigned on rotation to the NPIC/PPBS on 26 October.

B. Exploitation Support

(1) Interpretation

(a) An image of what appeared to be a missile in flight photographed on the color portion of [Redacted] was identified as an emulsion defect on the original positive. APSD support thus prevented an erroneous interpretation reporting.

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SUBJECT: APSD Activity Report for October 1970

(b) Special reproductions of the Suez area photography from [Redacted] were evaluated as per IEG request. It was determined that the interpretation varies with solar elevation; i.e., the lower the solar elevation (within reason), the longer the target shadow and hence, improved interpretation suitability. Results were forwarded to IEG.

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(2) Operational Activities

(a) APSD continues to support the Color Ad Hoc Committee by participating in meetings and accepting requirements through the NPIC member. The CTF, on 9 Oct., tasked NPIC to determine the solar elevation/exposure/usability relationship of the color for [Redacted]. The project was completed on 27 Oct. and results were forwarded to the Community as per CTF request.

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(b) [Redacted] Color Report was published during the month.

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(c) Division support of the Middle East aircraft missions continued throughout the month. The initial phase handling effort at the processing facility required almost continuous attendance of APSD personnel. A total of 8 missions was processed and evaluated this month. Division personnel were involved daily in providing information to NPIC components on mission status, camera data and film arrival time. Many hours of overtime were required during the month to stay abreast of this high priority and satisfy the informational needs of NPIC officials.

(d) A study was undertaken to determine if present weather editing procedures introduce problems in the printing of the duplicate positives. cursory investigation disclosed

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SUBJECT: APSD Activity Report for October 1970

potential/probable problem areas. As a result, weather editing procedures have been modified for use on [Redacted] Work on this problem will continue.

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(e) A notebook, containing system data and photographs of the Mission Quality Boards and film positives of the MIP chips was completed. The notebook was forwarded to [Redacted]

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(3) Photogrammetric, Statistics, and Investigations

(a) In support of a sensitive DDS&T project, the division completed two analytical photogrammetric math models last month. This month we have completed about 75% of the documentation and have generated simulated operational data aimed at model validation.

(b) Several manhours were expended on the Revision and Update of NPIC Technical Publication NPIC/R-5006/67, United States Reconnaissance Systems. This was originally published as a compilation of data on aircraft, aerial cameras, and other sensors that are available for reconnaissance purposes. Since the original date of publication in 1967, some systems have become obsolete and some new ones have become operational. Our aim is to reflect current aircraft and camera data related to Tactical Reconnaissance Systems.

(c) Several manhours were expended on the foreign collection part of Task #2 of the Precise Measurement Study. The object here is to collect foreign dimensional information suitable for test purposes in establishing accuracy of system photography. Our prime foreign dimensional information collecting efforts this month were Soviet Construction

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SUBJECT: APSD Activity Report for October 1970

areas, where repeated measurements have shown dimensions to be statistically significant. Roughly, a statistic which contains all the information in a sample about a population parameter is considered sufficient in that no other information can be obtained from the sample to improve the estimate of the parameter.

(4) Densitometric, Statistics and Investigations

(a) Several manhours were expended on an isodensity technical publication which is aimed to inform both the NPIC PIs and Management of the potential application of the isodensitometry capability available in the division. This technical publication will explain the instrumentation and theory of Iso-D analysis with illustrative examples. There are no existing documents that describe the in-house system with respect to NPIC applications.

(b) The division has started acceptance testing of various sections of the Micro-D Support System.

(c) On three different occasions throughout the month, APSD expended several manhours providing special purpose Micro-D raster scans and microphotographic support to RED/ATB.

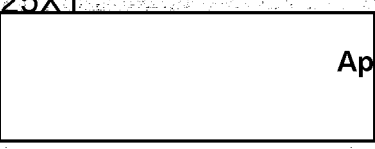
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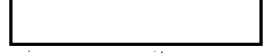
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SUBJECT: APSD Activity Report for October 1970

(2) Operational Systems:

[redacted] mission activity continues at a high rate. A total of nine missions was evaluated this month. System-related problems were experienced on several missions received during late September and the first half of October. A requirement was initiated on 3 Oct. to summarize these problems for [redacted]. Camera representatives visited APSD on 6 and 7 Oct. to examine [redacted] system problems and discuss the problems. A request for additional information concerning low frequency banding degradation was received by the division on 14 Oct. This request was answered on 21 Oct. As a result of the above efforts, system problems have been reduced and image quality improved.

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(3) Support to R&D:

(a) Five members of the division participated in a special experiment conducted by [redacted], in coordination with CIA/OSP. The purpose of the experiment was to rank [redacted] imagery in relation to a proposed new reconnaissance system. Division personnel also contributed to the design of the experiment and will assist in evaluating the resultant data. A final report will be issued under an NPIC cover within the next month.

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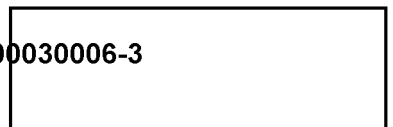
(b) The APSD hosted a technical briefing presented by [redacted] on their type 2000 reproduction film and a potential camera acquisition film. Personnel from several components within the Community attended, as did a significant number of TSG/RED and APSD technologists.

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(c) The division initiated and hosted several meetings between TSG/RED, APSD, IEG/PHD

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SUBJECT: APSD Activity Report for October 1970

and [redacted] personnel concerning a CCB proposal to investigate NPIC mensuration difficulties. As a consequence, PAR 188S - "Improvements to Small Image Mensuration" was written for presentation to the CCB at its December meeting.

(d) The APSD also disseminated the CCB PAR 164B final report on an "Operable Bread-board Automatic Label Printer" to PSG/R&RD/IRB, and held several discussions concerning it with Messrs. [redacted]

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As a consequence, a meeting was held on 29 Oct. with [redacted] PSG/Production Operations Staff, [redacted] Ch/R&RD, and several members of his division to determine the impact of this new labeling technique on NPIC [redacted] film dissemination. [redacted] was designated to go to [redacted] to watch the equipment perform and determine if the computerized information for each can of film already collected by [redacted] would be of some use to NPIC.

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2. The following items of interest are anticipated for the month of November:

A. Exploitation Support:

(1) Interpretation: Special target oriented reproductions will be provided on [redacted]

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(2) Operational Support:

(a) Initial phase handling support at [redacted] will be provided on [redacted] [redacted] [redacted] are scheduled to accompany the team on [redacted]

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(b) [redacted] will attend the Senior Peg meeting at Wright Patterson AFB on 5 and 6 November.

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[redacted]

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SUBJECT: APSD Activity Report for October 1970

B. Collection System Support:

(1) Systems/Films Under Development:

(a) Approximately 10 individuals from APSD are scheduled to visit the [redacted] facility in [redacted].

(b) [redacted] will contain 500 feet of SO-255 color material.

(c) All black and white material of [redacted] will be optically titled.

(2) Operational Systems:

(a) [redacted] is scheduled for launch on 18 Nov.

(b) [redacted] program support is expected to continue during the month.

C. Photogrammetric, Statistics and Investigations:

(1) The division will continue with Phase I of the acceptance testing of various sections of the Micro-D support system.

(2) It is anticipated that two speed letters (recently received) concerning requirements for further raster scan work on the Micro-D will be satisfied.

(3) Installation and testing of the new optics for the [redacted] 1032T will be completed in November.

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SUBJECT: APSD Activity Report for October 1970

(4) Work will continue in supporting the task two foreign control section of the in-house Precise Measurement Study.

(5) An in-depth analysis of [REDACTED] image motion equations will be conducted during Nov.

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[REDACTED]

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Chief, Applied Photo Science Division  
TSG/NPIC

[REDACTED]

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Attachment to   
6 November 1970

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MEMORANDUM FOR: Chief, Projects & Programs Staff, TSG, NPIC

SUBJECT : ESD Monthly Report for October 1970

A. Noteworthy Events

1. Emergency Maintenance Service - The Equipment Performance Branch received 77 requests for miscellaneous emergency service during October, an increase of 13% over the same period last year. Approximately 70% were electronic type, 20% mechanical and 10% optical. These requests by operational components are:

IEG	42	TSG	2
PSG	18	Army	2
DIA	11	IAS	2

2. Preventive Maintenance - Under the Preventive Maintenance program a total of 207 instruments were serviced, an increase of 8% over the same period last year. This included cleaning, repairing, lubrication, alignment, and replacement of missing or malfunctioning parts. Minor modifications were made as required.

IEG	96	Army	4
DIA	92	TSG	2
PSG	11	IAS	2

3. Modification, Design and Fabrication Projects - Thirteen modification, design, and fabrication projects, the same number for the same period last year, were completed, in support of Center components including:

(a) Designed and fabricated a special size alignment device with register pins for use by the Photo Lab in photo stripping operations.

(b) Fabricated four (4) special type rings for securing tube magnifiers to light tables in PHD.

(c) Mounted three (3) special type miniature lamps in an experimental light diffuser for use under the stage plate of a

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SUBJECT: ESD Monthly Report for October 1970

25X1 [ ] High Power Stereoviewer. The diffuser is intended to illuminate the film area immediately surrounding the field of view of the instrument's objective lenses, so that a P.I. can readily locate areas of interest.

(d) Designed, fabricated, and assembled parts to make an experimental film hold-down device intended for possible use on a tilted light table.

4. Miscellaneous Projects

(a) Five new IIS remote stations were installed during October. The remote equipment included two (2) [ ] Display Units, two (2) [ ] printers and one (1) Teletype printer. 25X1

(b) [ ] has given EPB a preliminary report on the moisture found in the Zoom 24OR carrying cases. It appears that the cement and foam used in the case is causing a chemical reaction and emitting a corrosive vapor which could damage the Zoom 24OR system. The foam will be replaced and the problem resolved shortly.

(c) On 1 October, ESD hosted a technical coordination meeting with members of IEG. The meeting was held to discuss operational electronic equipment reliability and future mensuration equipment requirements in IEG. The discussion concerning reliability resulted in prolonging the use of existing [ ] units (up to five years) previously scheduled for replacement in FY-72 and FY-73. 25X1

(d) EPB was consulted by the Research and Reference Division, PSG, on the suitability of a [ ] plotting table for photo indexing operations. Arrangements were made for PSG to borrow a table from NRTSC for operational evaluation. EPB is prepared to provide further assistance to PSG in acquiring versions of this table modified especially for PSG's requirements. 25X1

(e) EPB assisted the Reprographic Division, PSG, in acquiring a new set of special size rollers for use on its Headliner Slitter. These precision rollers were fabricated by the [ ] 25X1

(f) [ ] TEB traveled to [ ] on 28 October to receive maintenance training on the 1540 light table and to assist on pre-acceptance of first production unit. 25X1

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SUBJECT: ESD Monthly Report for October 1970

5. The following new equipment was tested for operational components:

	Zoom 24OR Pod	14
	.5X Mono Lenses	84 each
	2X Rhomboid Lenses	19 pair
	1X Rhomboid Lenses	34 pair
	.43 Rhomboid Lenses	48 pair
	Widespan Rhomboid Arms	21 pair

6. Automatic Target Indexing Device - Release of the Test Plan for this device has been delayed pending a firm delivery date.

7. Experimental Dry Silver Processor - Work on this T&E project has been temporarily suspended because of the assignment of a new project, Diazo Reproduction Systems Study.

8. Diazo Reproduction Systems Study - A six-weeks effort to test and evaluate and collect data on types of diazo materials, printers and processors that are available and their feasibility of use in the P.I. areas.

9. Sound Level Survey - A survey of the AID computer center, at the request of AID, was completed with a Memorandum Test Report dated 28 October 1970.

10. Zoom 24OR Filar Eyepieces - A test plan was begun including a detailed preliminary flow chart for coordination and training purposes in a new approach to operational suitability testing.

11. Image Definition Device - A new project, at the request of RED, to evaluate a prototype which contains a tracking light source developed by [redacted]

12. [redacted] attended the Joint Engineering Management Conference in Chicago, Illinois on 29 and 30 October.

13. [redacted] attended in-house "Probability Theory and Statistics" classes.

14. [redacted] began attending in-house "Reading Improvement" classes.

15. [redacted] completed the 2-day Project Officers Indoctrination Course at Headquarters.

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SUBJECT: ESD Monthly Report for October 1970

25X1 16. [redacted] attended the 2-day presentation on "Drug Abuse" at Headquarters.

25X1 17. [redacted] was named TSG Representative to the Suggestion Awards Committee.

B. Anticipated Events for November:

1. Testing of the Twin Stage On-Line P.I. Comparator will be completed in TEB and the Comparator will be moved to IAS for an operational evaluation.

25X1 2. Pre-acceptance testing of the Target Indexing Device (TID) at [redacted]

3. Publication of the TID Test Plan.

4. Testing of the Image Definition Device.

25X1 5. [redacted] Electronic Engineer will EOD in TEB.

6. Re-scheduled inspection of the [redacted] 1540 pre-production Light Table.

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[redacted signature box]

Chief  
Engineering Support Division, TSG,  
NPIC

Distribution:

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- 1 - NPIC/TSG/Ch
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6 November 1970

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MEMORANDUM FOR: Chief, Technical Services Group, NPIC  
ATTENTION : Chief, PPS/TSG  
SUBJECT : RED Monthly Report on Significant Events  
(October 1970)

A. Significant Items of Interest for October 1970:

1. Dry Silver Materials Program. On 8 October 1970,

[redacted] Langley, Va., for the purpose of coordinating dry silver materials and equipment. On 12 October 1970, the first meeting of the NPIC Dry Silver Coordinating Committee convened under RED sponsorship. This group will meet periodically to disseminate information on the progress of the Dry Silver Program and to input requirements from the operational components.

2. [redacted] 1540 Light Tables. Preacceptance tests will be performed on the first production model of these tables at the contractor's facility between 28 and 31 October 1970. This program is generally on schedule and indications are that 145 tables will be in-house by the end of December 1970.

3. High Precision Stereocomparator (HPSC). Difficulties with the coordinate counters and a computer breakdown have resulted in several weeks' slippage in the delivery schedule of the HPSC. The on-the-job training and test plans have been revised to reflect this schedule change. The preacceptance tests at [redacted] facility will be in two parts. The first part (technical specifications) will be tested in mid-November and the second part (operational suitability) will be tested in December. Preliminary tests indicate that the HPSC will exceed the resolution specifications of the contract.

4. 10" Stage Stereocomparator. On 22 October 1970, the technical monitor, accompanied by a PHD representative and [redacted] to inspect a mock-up of this comparator. A detailed review of the instrument controls was performed and several changes recommended to the manufacturer. This project is on schedule.

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[Redacted]

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SUBJECT: RED Monthly Report on Significant Events (October 1970)

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5. Research in Mensuration Instruments. On 13 October 1970, [Redacted] personnel met with RED and PHD representatives to discuss the accomplishments and the future direction of this program. Early results from the automatic pointing task are encouraging.

On 16 October 1970, [Redacted] briefed APSD on the goals and accomplishments of this program.

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6. Calibration Device for the HPSC. On 13 October 1970, an [Redacted] representative and [Redacted] briefed PHD and ESD on the results of this feasibility investigation. This investigation reveals that this device can be built and it will accomplish the calibration function to the precision desired. Project approval plans are underway to proceed with a contract to fabricate this prototype device. On 14 October 1970, the contractor and [Redacted] [Redacted] to discuss certification of a scale for the calibration device for the HPSC.

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7. Advanced Stereorhomboids. The advanced stereorhomboids have been returned to the Center from [Redacted] Tests at [Redacted] on a vibration-isolated mount produced resolution readings that exceed the contract specifications. This contract has been closed out.

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8. Improved Light Source Study. The final report on the Improved Light Source Study has been received from [Redacted] [Redacted] The report summarizes the experiments that were undertaken and provides critical specifications for an optimized lighting system for a light table.

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9. Image Manipulation Research Laboratory. The scanner and display equipment for the Image Manipulation Research Laboratory has been completed and is ready for acceptance testing. This will occur at [Redacted] the week of 2 November 1970. Shipment will follow.

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10. Color Microdensitometer [Redacted]. The first phase of the [Redacted] color microdensitometer calibration contract has been completed on time. The new objection lenses have been received and the unique color plaques have been fabricated. In-house experiments will begin in November.

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SUBJECT: RED Monthly Report on Significant Events (October 1970)

11. Herd Criterion [redacted] The [redacted] Herd criterion has been applied successfully to operation, one-dimensional test data. The two-dimensional case is now being developed.

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12. Digital Image Manipulation. [redacted] both of the [redacted] and working on the digital image manipulation contract, accompanied [redacted] for a briefing on the new acquisition films and the [redacted] optical parameters. As a result of the discussions, [redacted] is making essential changes to the computer model of the film and optical parameters--without which successful manipulation would not be possible.

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13. EOI Imagery - [redacted] A study was completed in support of the OSP/NPIC evaluation of simulated EOI imagery. [redacted] personnel assisted in the design and analysis of results. Final report will be drafted early in November.

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14. [redacted] - Literature Review. [redacted] has submitted a preliminary draft of their literature and color vocabulary reviews, the initial products of the Color Training Program. Copies have been distributed to OD/IEG, RED, APSD, and DIAAP-9 for comments.

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15. [redacted] On 22 October 1970, [redacted] personnel completed the final phase of the human factors evaluation of the [redacted] 10x10 Stereocomparator mock-up.

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16. [redacted] - IEG Support. [redacted] IEG, and RED/TSG personnel have initiated a research program to assist IEG in the exploitation of the color photography from [redacted]

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17. [redacted] - Training Packages. [redacted] IEG, and RED/TSG personnel continued their evaluation and revision of the Target Training Packages delivered to IEG. Work began on selecting an additional five targets for validation.

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18. [redacted] - Ground Order of Battle. [redacted], and RED/TSG personnel completed data collection on the Ground Order of Battle program, and began preliminary data analysis of the results.

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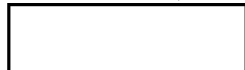
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SUBJECT: RED Monthly Report on Significant Events (October 1970)

19. ATB/EDL personnel visited [redacted] to learn the current status of, and future plans for, their unconventional photographic materials. This was in support of the forecast being prepared in RSB. [redacted]'s RS material was judged sufficiently meritorious in resolution and state of development to warrant continued scrutiny for the forecast. [redacted] provided little information concerning its plans; it has nothing significant on the market presently.

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20. [redacted] was visited to apprise the faculty of those research problems of interest to us which we would like to see included in the catalog of thesis research topics. In addition, a tentative schedule for four faculty-presented seminars was agreed upon. The [redacted] PAR has been approved through the DDI.

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21. [redacted] - TOC. [redacted] visited NPIC and discussed that firm's R&D in photomaterials and processes. Two projects involving applications of phase imagery were interesting: one involved the reproduction of phase (surface relief) imagery by embossing it into the surface of a plastic receptor material; the other involved making a photographic print of the phase image. The former is of interest as a potential method for producing low cost, high quality photographic prints. The latter [redacted] claims) is capable of yielding more information from the toe of the D Log E curve. [redacted] has consented to forward demonstration samples for our evaluations.

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22. Utility of Stereo Scanning - [redacted] This project is in support of NPIC's effort to evaluate the value of automatic stereo equipment for the scan task. The first task of this study, "Machine Features Analysis," has been completed and the report is being analyzed by various NPIC components. This [redacted] analysis is also being used on a parallel study (being conducted by [redacted] for an engineering audit of the Automatic Stereo Scanner. This latter project will be completed about the end of this year.

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23. Automatic Target Indexing Device - [redacted] Most of the problems causing delay in delivery of this equipment have been resolved. The new lenses have been delivered and are being installed. These lenses should bring the TID performance up to the accuracy predicted. However, a further delay in delivery is being asked for by NPIC so that an additional frame sensor can be added. This second frame sensor will greatly enhance the equipment's capability to use either positive or negative film with emulsion side up. This change-in-scope will cost an additional [redacted] (approximately). Shipment date is now scheduled for 20 November 1970.

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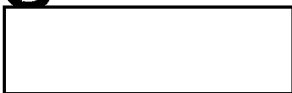


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24. Project an advanced strategic SLR system evaluation, is going forward in earnest. Although an NRO project, planning, target coverage, and evaluation of the imagery will require considerable NPIC action. This program should continue through to approximately June 1971.

25. The distribution of the new user's manual was activated with PSG support.

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26. Proposals, Contracts, and Reports:

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a. report on the chemistry of Dry Silver and RS was approved for distribution.

b. A contract with to produce calibrated color imagery (SO-242) of their model has been negotiated.

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c. An unsolicited proposal has been received from on "ASR/240 Image Analysis System."

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d. An unsolicited proposal has been received from Camera on a frame-counting device.

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27. Other:

a. The VHR Working Group has concluded its investigations and has drafted a final report which is scheduled for publication about 5 November 1970.

b. The NPIC Near-Real-Time Study Group is being re-activated to carry out definitive studies necessary for advance planning in R&D and other areas.

c. is completing the final development of the NPIC Contract Information Program (PICCIP). This was demonstrated to RED personnel during October and will be presented to the C/TSG early in November.

d. Modifications were made to the Twin-Stage Comparator to incorporate the features that were highlighted during the operational evaluation of this instrument. This contract is being closed out.

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e. An 8"x10" Polaroid Camera has been obtained on loan from This will be circulated through the operational groups for evaluation.

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28. Briefings and Consultations:

a. Under the [redacted] contract, Dr. [redacted] began a series of lectures and laboratory demonstrations on photometry and testing of optical components. Members of RED, APSD, and ESD attended. 25X1

b. HFS/ATB personnel conducted a symposium and equipment evaluation on the effects of color photography on visual performance at [redacted] on 20-21 October. The meeting was called to assist [redacted] in developing a color/stereo acuity test--a subtask under the Imagery Interpretation Research Program. The meeting was conducted under Air Force cover. 25X1

c. Extensive discussions were held with IEG management to develop a long-range plan to exploit color photography. 25X1

d. Numerous briefings were delivered to Center management on RED's Color R&D Program.

e. Results from the FY 69-70 [redacted] Imagery Interpretation Research Program were briefed to IEG and TSG personnel on 27 and 29 October 1970. 25X1

f. Color Technology Implementation [redacted] and Photoscience Support [redacted] R&D projects have been briefed through TSG. Both PAR's are awaiting approval. 25X1

g. RSB participated in the Color Task Force meetings, plus coordinating other color tasks within the Center.

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[redacted] 25X1

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28. Briefings and Consultations (cont.)

- i. [ ] attended the MC&G meeting at the Pentagon and the FOC/MPR meetings at SAMSO.
- j. Several AQ meetings were held with ORD as a result of the beginning of active testing. RSB coordinated requests for domestic and foreign test coverage, and for support from NPIC components.
- k. [ ] briefed several groups within NPIC and of the outside community on the [ ]

29. Training:

- a. Several RED personnel attended the SPSE Color Symposium at the Marriott Motor Hotel on 22 and 23 October 1970.
- b. [ ] attended the DDS&T Course on Contract Management.
- c. [ ] attended a Management Grid course during 18-23 October 1970.
- d. [ ] attended an Inertial Navigation Symposium at Holloman AFB.

B. Anticipated Items of Interest for November 1970:

Shipment of the TID is scheduled for 20 November 1970..

[ ]  
Deputy Chief,  
Research & Engineering Division,  
TSG/NPIC

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