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TCS-11571-62-KH

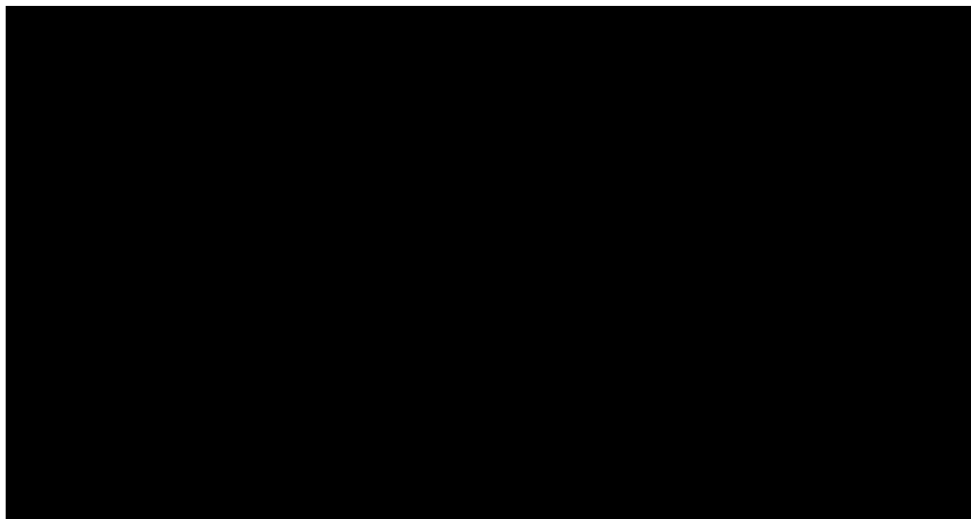
19 March 1962

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MEMORANDUM FOR THE RECORD

SUBJECT: Reference Joint Services Meeting of 14 March 1962

1. In attendance at this meeting in the afternoon of 14 March 1962 were:



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2. The undersigned opened this discussion at 1330 hours and made a resume of the significant points of discussion in the morning session of the larger group. During the morning session there had been several references to [redacted] printing of the duplicate positive and duplicate negative materials. For the benefit of those present at this committee meeting who were not entirely familiar with the [redacted] principle, the undersigned described this system in some detail pointing out its limitations and advantages. Some of the points stressed were:

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a. The spot size of the CRT scan is considerably larger than most of the fine detail contained in the KH materials. This would tend to limit the amount or degree of electronic dodging through the inverse feed back loop.

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b. The electronic exposure control device in the [redacted] system would limit printing speeds to approximately 5 feet per minute as compared to 60 feet per minute on the Kodak printer.

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c. Since the directive states that all duplicate positive copies are to be generated from the original negative, the [REDACTED] printer would place a severe limitation in time for the printing operation which is now keyed to the processing and drying rates established in the processing laboratory.

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d. Most, if not all, of the interested parties have their own printing and processing equipment which in many cases includes a [REDACTED] strip printer and selective printing from the total footage could best be accomplished locally and/or individually. This printing would necessarily be made from a second generation duplicate positive and would result in a [REDACTED] duplicate negative. Subsequent photographic products from this duplicate negative would be two generations removed from products from the original negative. In this method there would be an attendant loss of resolution due to the subsequent generations. This type of printing could best be accomplished on a selective basis from the original negative while still in the possession of the processing laboratory.

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3. Since the undersigned is familiar with the operation from several visits to the processing laboratory, he recommended that the necessary steps be taken to substantially improve the environment for the equipment now being used in that laboratory. On several occasions [REDACTED] has stated that the processing plant was initially designed to handle Talent-type materials and that new programs have placed additional work loads and higher resolution requirements far beyond the initial scope. Mr. Green further stated that a look into future requirements might justify a major revision to his installation.

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4. [REDACTED] suggested that the laboratory at Westover AFB represented the latest in the state of the art as a processing facility and that some thought be given to transferring the processing and printing function of the KH materials to Westover. It was further suggested by [REDACTED] that NPIC eliminate the requirement for the first positive copy now produced at the processing plant in order to allow more time for the several duplicate positives for general distribution.

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5. It was agreed at this meeting that specific directives be furnished the contractor in regard to quality controls and more specifically to the type of duplicate positive and negative best suited for the individual requirements. It was also agreed that an improvement in equipment and environment in the processing plant was desirable and that more information regarding the quality of the original negative would be furnished to the community members. It was suggested that a copy of the negative evaluation report as prepared by NPIC be distributed to the other members as soon as possible. General knowledge of the quality of the original negative and more specifically any of its inherent faults directly due to the camera system could eliminate some of the criticism of the materials generated from this original negative.

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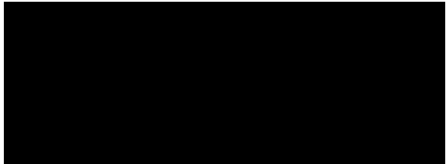
6. In conclusion, it was pointed out by the undersigned that the number of positive and negative duplicates from one KH mission resulted in approximately 1,000,000 feet of photographic printing and processing and that there must necessarily be some compromise in the accuracy and quality of these duplicate materials so long as there is a strict time limit set upon the completion of these materials. Also due to the large number of duplicate materials, it is not reasonable to assume that the 30th copy and the 2nd copy would be identical.

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There are several developmental type projects which are specifically concerned with this problem and it was recommended that a very close surveillance of these projects be kept by members of the committee and that appropriate actions be taken to apply any gains in technology and equipment to the production of KH materials.



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