

**TOP SECRET**

**PRIORITY**

OUT56685

**T O P S E C R E T 132209Z**

1965 SEP 13 22 25Z

25X1

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**SUBJECT: WAXED FILM**

1. [ ] ANALYZED THE TEST WAXED POSITIVES USING THE FOLLOWING PROCEDURES:

25X1

A. PHYSICAL EVALUATION BY TECHNICIANS - THE RESULTS INDICATED THAT THERE APPEARED TO BE A SLIGHT DENSITY AND CONTRAST DIFFERENCE BETWEEN THE WAXED POSITIVES USING THE NEW PROCEDURE AND THE IN-HOUSE POSITIVES PREVIOUSLY PRINTED AT [ ] FROM THE SAME MISSION; HOWEVER, IT COULD NOT DEFINITELY BE ATTRIBUTED TO THE WAX. THE WAXED POSITIVES WERE ANALYZED TO DETERMINE THEIR RESISTANCE TO SCRATCHING AND IT WAS ESTABLISHED THAT THE NEW PROCEDURE DID PROTECT THE POSITIVES TO A GREATER DEGREE.

14 SEP 1965

COPIES RECEIVED 7

25X1

No.	Office
1	Field
2	OS
	ADMIN
	SEC BR
6	P&DS
	CSD
	IPD
	PD
	PSD
	PSD-ICB
3,4	TID
	PID
	PAG
	CIAXX 4
	SPAD
	ISA-LO
	AP

B. SUBJECTIVE EVALUATION BY PHOTO INTERPRETERS - PI'S WERE PRESENTED WITH THE TEST WAXED POSITIVES AS WELL AS THE IN-HOUSE POSITIVES AND PERFORMED A COMPARATIVE ANALYSIS. THE RESULTS INDICATED THAT THE SLIGHT CONTRAST DIFFERENCE PREVIOUSLY SEEN BY THE TECHNICIANS CAUSED THE PI TO CONSIDER THE IN-HOUSE POSITIVES SLIGHTLY BETTER. THEY CLAIMED THE IMAGERY WAS UNAFFECTED BY THE NEW WAX BUT THERE APPEARED TO BE A REDUCTION IN CONTRAST AND HIGHLIGHTS APPEARED MUDDY. THEIR SPECIFIC COMMENTS INDICATED THAT THE DIFFERENCE WAS VERY SLIGHT BUT IF THEY HAD TO PICK THE BETTER OF THE TWO THEY WOULD RELY ON THE IN-HOUSE POSITIVES.

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

1

-2-

C. PHOTO LABORATORY TESTING - SAMPLES OF THE WAXED FILM WERE SENT TO THE  PHOTO LAB FOR TESTING. THE FILM WAS RUN THROUGH ALL THE PRINTERS AND ENLARGERS, INCLUDING THE EK 10, 20, 40X ENLARGER WITH ITS SOLVENT, WITH NO PROBLEMS OR DEGRADATIONS OBSERVED.

25X1

2. CONCLUSIONS AND RECOMMENDATIONS - BECAUSE THE SLIGHT CONTRAST DIFFERENCE OBSERVED BETWEEN THE TWO SETS OF POSITIVES COULD NOT BE DEFINITELY ATTRIBUTED TO WAXING PROCEDURES, NO SIGNIFICANT CONCLUSIONS CAN BE STATED OTHER THAN THAT THE NEW WAXING PROCEDURE DOES REDUCE THE EFFECTS OF FILM HANDLING AND DOES NOT AFFECT REPRODUCTION CAPABILITIES. IT IS THEREFORE RECOMMENDED THAT A FURTHER TEST BE CONDUCTED, PREFERABLY ON THE DOMESTIC PASSES OF THE NEXT "J" MISSION. ATTEMPTS SHOULD BE MADE TO PRODUCE THE TEST POSITIVES WITH THE SAME DENSITY AND CONTRAST AS THE CONTROL POSITIVES.

T O P S E C R E T

--END OF MESSAGE--

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