Approved For Release 2005/05/02 : CIA-RDP78B04770A002200040016-8

CENTER ROUTING SLIP

FROM	DATE
TSSG/ESD	13 May 69

TO	INITIALS	DATE	REMARKS
DIRECTOR			
DEP/DIRECTOR			[redacted]
EXEC/DIRECTOR			
SPECIAL ASST			For Action RIS
ASST TO DIR			
ASST TO DEP/DIR			The Rio —
CH/PPBS			
DEP CH/PPBS			
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DEP CH/IEG			
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CH/TSSG/DED	XX		today
DEP CH/TSSG			
EO/TSSG			
CH/SSD/TSSG			
PERSONNEL			
LOGISTICS			
TRAINING			
RECORDS MGT			
SECURITY			
FINANCE			
DIR/IAS/DDI			
CH/DIAXX-4			
CH/DIAAP-9			
CH/DIA			

Declass Review by NGA.

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IP FM 30 (11-68) - OBSOLETE PREVIOUS EDITIONS

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SECRET

NPIC/TSSG/ESD-41-69
13 May 1969

MEMORANDUM FOR: Executive Director, NPIC

THROUGH: Chief, Technical Services & Support Group, NPIC

SUBJECT: Biweekly Status Report, 1540 Light Table

1. IEG has completed four weeks of operational testing of the light table. They have submitted the following additional constructive comments:

a) The shorter operators ask that the table be made capable of adjusting two inches lower.

b) Light source flicker is noticeable at low intensity. It is tolerable but should be eliminated if possible to guard against eye strain.

c) A pre-heat switch should be installed, as is provided on the 940 Split Format table, to preclude the necessity for a warm-up period.

2. The table was delivered to DIAAP-9 on schedule last week, but two events interrupted their operational testing:

a) A breakdown occurred due to a poorly crimped wire terminal. The trouble was found and repaired by EPB/ESD.

5X1 b) The [redacted] Mod. II Stereo Rhomboid prototype was brought to the Center on 8 May for two days of demonstration and development problem discussions. The 1540 table was retained in the ESD area for use in the Rhomboid demonstration.

3. No compatibility difficulty was observed other than a vibration problem which was anticipated. It is well known that building vibrations have been creating some microscope viewing problems -- particularly so with microscopes on moving carriages

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GROUP 1
Excluded from automatic downgrading and declassification

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as provided on light tables. This has not been serious with low magnifications but the Mod. II Rhomboid is to be capable of magnifications up to 90X.

4. TEB/ESD has been measuring vibrations of the building floor in various locations and measuring vibrations induced by the floor on a light table-microscope combination simulating the 1540-Mod. II combination. On Friday, 9 May, the actual 1540-Mod. II assembly was placed in one of the badly vibrating areas and the performance at higher magnifications was found to be definitely unacceptable. To be useable at the high magnifications it will be necessary to either be highly selective in choosing work spaces or provide vibration isolators for the light tables. The development of suitable isolators will not be simple due to the low frequencies involved (20 cycles/second). TEB/ESD is preparing a more detailed report on this problem.

[redacted] 25X

[redacted] Chief
neering Support Division, TSSG

X1

CONC[redacted]

Ch/DED/TSSG 13 May 1949

Distribution:
Orig. - Addressee
1 - NPIC/TSSG/DED
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1 - NPIC/PPBS
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