

phase plate assumptions: circular aperture required,  
 altho squared element easier if we could use it  
 suggested that "smearing" of original ~~###~~  
 be done immediately; then contact printed  
 to final phase plates

relief height + processing chemistry critical in  
 producing phase plate configuration 

o	o
o	o

 etc.

I 50 343 high resolution emulsion suggested  
 for exposure of first generation very  
 faithful image (ruling geometry duplicated  
 "exactly") [ $\frac{1}{2}$  hour process, within SOA]

II degraded image developed on Kodalith material  
 Type 3 (Estar base for dimensional stability,  
 could be glass) - master plate with  
 clear windows in high density surround  
 (smearing accomplished separating 2 emulsions  
 w. consequent spreading of light) - some  
 development work (trial & error) required

III - a) KHR plate } latent image fading, etc. emulsion  
 b) 649 F } problems avoided via dev't  
 c) KHR special } alternatives

STATINTL

[REDACTED]

STATINTL  
STATINTL

In a conversation (phone) on 31 May 1966 with [REDACTED] of [REDACTED] he informed me that the aperture in the objective lens of the Direct Image Viewer could be widened further, as he expected. This might serve to cut down the "banding" introduced by the [REDACTED] gratings, but I'm not altogether sure.

STATINTL

If you'd like us to look into this, or to assist someone else in doing this, please let me know.

STATINTL


In any event, current developments lead me to believe [REDACTED] may have solved the grating problem. We'll know in several weeks - it looks good.

STATINTL

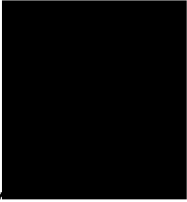
[REDACTED]

1 June 1966

STATINTL

MEMORANDUM FOR: 

*Should I pursue this, and if so, via what channel?*



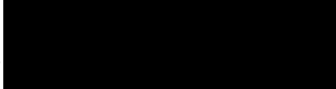
*2/6/66*  
(DATE)

FORM NO. 101 REPLACES FORM 10-101  
1 AUG 54 WHICH MAY BE USED.

(47)

STATINTL

STATINTL

MEMORANDUM FOR 

*Proof of the solution of the bombing should be available before we pursue this any further*

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*2/6/66*  
(DATE)

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1 AUG 54 WHICH MAY BE USED.

(47)