

Friday, July 19, 1963

Light Source and Screen (Proposal)



Enclosed is an extra copy of [redacted] proposal to develop a new approach to a projection screen and light source. Three copies of the proposal are being sent to [redacted] for action and an additional copy is being sent to [redacted] for information.

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When first discussing with [redacted] the concept of ultraviolet energy impingement on a screen to cause visual fluorescence, I had in mind a general purpose type viewing situation. I think now though that it is probably more applicable to special purpose exploitation techniques.

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The concepts appear to be fundamentally sound and do not require new invention. In view of the potential advantages, I believe implementation of the feasibility study is urgently needed.

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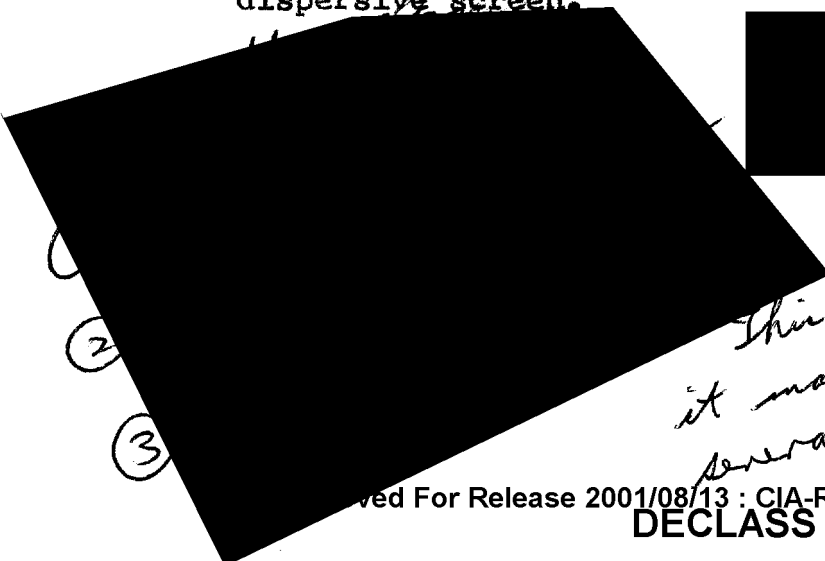
In paragraph 3.2 page 6, I think [redacted] is hedging unnecessarily in his comments on a dispersive screen. The real power of this approach is to be able to use a transparent screen in full ambient room light.

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Flicker fusion and color perception (page 3) will be fall out benefits and it may turn out that they are of greater importance than the main objective. The main objective however is to obtain a screen without the resolution limitations and directional problems of the dispersive screen.

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*This program looks as though it may be very fruitful in several areas HRA*