

2 November 1970

Dear []

Attached is a follow-on proposal from [] concerning the use of pyrotechnic material to bring about visual incapacitation. Under a prior effort [] developed two pyrotechnic packages designed to produce flash blindness with low risk of permanent retinal damage. A copy of this final report is attached. They had intended to establish a safety criterion and utilize in-house personnel for test and evaluation of the flash cartridges. Their management decided (justifiably so) that the risk was too great for human experimentation. As a consequence, the present proposal is intended to provide simulation methods by which one could predict the degree of incapacitation which would be produced by the pyrotechnic cartridges developed.

I would appreciate your evaluation of this proposal. I don't wish to prejudice your opinion, but I'm not sure that one could extrapolate from the simulation data to predict incapacitation resulting from higher light levels. Although I would like to consider your response as evidence of effort under the new contract, please do not feel obligated to undertake, at this time, a complete evaluation of the retinal damage problem on the basis of this proposal.

Furthermore, there is an obligation to respond to this proposal in the immediate future. Your personal opinion or the consensus of your colleagues will be sufficient at this time. Any alternative suggestions will be appreciated. Also included in this package are some DOD reports relevant to the problem. I would appreciate return of the material when it has served its purpose.

Sincerely,

Enclosures

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IMPORTANT NOTICE: Please sign this receipt immediately and return by ordinary first class mail. Your envelope must be addressed exactly as follows:

Doc. No. and/or Date	Unclassified Description	Classi- fication	No. of copies	No. of pages in each
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✓23399	Induced effects in the human eye by intense visible rad. (U)	C	1	51
✓23402	State-of-the-art study on balance disruption (U)	S	1	74
✓23394	NL Per. Incap. S.	C	1	17
✓23391	An infrasonic system (U)	C	1	19
✓23390	The feasibility of using acoustic energy for military appl. (U)	C	1	15
✓23393	Proposal for the Devel., fab. and Del. of flash b. Cart. and field support for tests	U	1	24
✓23393	Memo: Per. Inc.	S	1	40
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✓23398	Optically induced impair. of vision (U)	C	1	127
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✓23396	For eval. and Del. of v. m. for P.I. W/ attcs. from Callery and MSA	C	1	48
✓23564	Assessment of the second-gen. scimitar at striking vel. of 400 & 700 ft. per(U)	C	1	45
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✓23392	Devl. of means for n.l. i. of an i.	C	1	5
✓23401	Nonlethal agents in crime & riot control (U)	C	1	29
✓23403	Report Bibliography	S	1	--
✓23489	Organ-s. anal: a rational app. for devel. nl c wf agent	C	1	176