

October 1, 1963

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Laser Optical Video Enhancer

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This Lab submitted a proposal 12 Apr 63 to provide a Laser output printing stage for the [redacted] Image Enhancer. It was planned to implement the proposal but it did not get funded out of 1963 funds. [redacted] took over as contract monitor when [redacted]

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When George reviewed the [redacted] proposal and the [redacted] Image Enhancer, he felt the project would be in a much stronger position if it were oriented more toward the basic problem of enhancement and less toward product improvement of the existing machine.

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On Sept. 12, George and I visited [redacted] and suggested they revise the proposal and resubmit it. They agreed. On a recheck with [redacted] today, Oct 1, they said the proposal will be ready to mail the end of the week.

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[redacted] will receive the [redacted] machine and go over it thoroughly. They will measure the transfer functions of the major parts to determine where the principal degradations occur. Such measurements will also indicate which parts of the machine are suitable for further use. In addition they will conduct laboratory experimental work and analytical work to determine the enhancement performance which can be expected with use of Laser. At the end of this first phase, they expect to be able to delineate explicitly the design requirements for an enhancement machine. It was suggested that a most efficient transfer of experience would be obtained by placing a time and material contract with [redacted] for the consulting services of the two or three men intimately familiar with the Enhancer.

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[redacted] and [redacted] of [redacted] visited [redacted] on Sept 11. They examined the machine and talked to [redacted]. They were of the opinion that the consultation arrangement would be very helpful.

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