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NPIC/P&DS/D/6-1505  
8 August 1966

**MEMORANDUM FOR:** Chief, Procurement Division, Office of Logistics

**ATTENTION:** [Redacted]

**THROUGH:** Chief, Support Staff, NPIC

**SUBJECT:** Request of [Redacted] for Extension  
of Time on Contract [Redacted]

It is recommended that the subject contract be extended to  
10 November 1966 at no additional [Redacted] as requested in paragraph  
three of the enclosed report.

[Redacted]

Colonel, USAF  
Assistant for Plans and Development, NPIC

**Attachment:**  
Progress Report # 10

**Distribution:**  
Original and 1 - Addressee  
1 - Chief/SS/NPIC  
3 - P&DS/DB

NPIC/P&DS/DE [Redacted] (8 August 1966)

Declass Review by NGA.

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**GROUP 1**  
Excluded from automatic  
downgrading and  
declassification

AT

Contract No.

Task No. 02

Progress Report No. 10

Covering the period June 1966

Financial Status

Amount Authorized . . . . .

Estimated Expenditures thru 7/3/66 . . . . .

Funds Committed . . . . .

Funds Remaining . . . . .

STA

Technical Status

Attached is a technical progress report covering the period of June 1966.

AT

19 July 1966

Distribution:

- Technical Representative - three copies
- Contracting Officer - two copies
- File - one copy

Progress Report #10  
Photobleach Photography Phase II

June 1966

The screening of blue and of green dyes has continued. In addition, some of the dyes were incorporated into black mixtures and evaluated. None of the dyes or mixtures showed outstanding properties. Several new dyes having appropriate color changes in acid have been ordered, and will be evaluated in July.

A brief experiment to determine the effect of heating during exposure on the H&D curve was performed. H&D curves (optical density plotted against log exposure) were plotted for two samples of a Rose Bengal-iodoform film. During one exposure the film was held at room temperature, while during the other the temperature was raised by a stream of warm air. The respective slopes of the H&D curves were 1.6 and 2.0. We have thus demonstrated that the slope of the H&D curve can be increased by heating during exposure. The question of whether such heating will affect photographic contrast during normal photographic exposure still remains to be answered, however.

✓ We wish to request an extension in time for completion of the present contract, at no additional expense to the sponsor. The delay in the project has been caused by a manpower shortage which we have not been able to remedy. One of the two technicians employed on the project took a leave of absence during April and May in order to complete the requirements for his Bachelor's degree. Instead of returning to the project in June, as scheduled, he accepted a professional position elsewhere. We have not been able to find a satisfactory replacement for him as yet. At the present level of activity, we estimate that the project will be completed by November 10, although an earlier date is possible should appropriate personnel be found. The additional time requested will make it possible for us to complete more satisfactorily the requirements of the present program with the personnel now available.

Plans for July. The screening of dyes and evaluation of mixtures will be continued. Quantitative work on the effect of temperature on exposure parameters will be commenced.