

SAPC 2023  
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206 6 October 1955

MEMORANDUM FOR THE RECORD

SUBJECT

Meeting in Cambridge, Mass. on October 1, 1955 on  
Photographic Problems in Connection With Project  
AQUATONE

1. [redacted] met on October 1, 1955 in Cambridge, Mass. with Dr. Land, Dr. Baker, Dr. Parcell, Dr. Scott, [redacted]. The objective of the meeting was a discussion of the following problems:

- a) Development of a navigation camera;
- b) The C camera
- c) Film

2. Various solutions for a navigational aid camera were discussed but none seemed to be feasible from the stand point of having such a camera alone provide total navigational information. It was agreed that such a camera, in conjunction with [redacted] navigational gear being developed, could provide the solution. Dr. Baker will, if requested, study this problem and advise us further on it. It was recommended that we approach Bell Labs on this problem.

3. It was agreed that the focal length of the C camera should go back to at least 180 inches and possibly 200<sup>0</sup>, even if this gave at the present time only 30 lines rather than the optimum of 60 lines. It was agreed that initially with this camera preservation of maximum scale was more important than preservation of maximum definition at a lower scale. Dr. Scott and Dr. Baker will re-examine this problem from this view point keeping in mind that resolution should not be engineered out of the system.

4. With respect to the film it was finally disclosed by Dr. Land that Polaroid has under development a new film process which would be most suitable for purposes of the C camera and could also be used in other cameras. This process is being announced by Polaroid in national magazines in the near future. It was agreed that Rod would have film exposed at Watertown under conditions which would simulate operating conditions of the C configuration and would send the film to Polaroid for processing to see the results obtained. Dr. Land was skeptical of Polaroid entering into any film procurement agreements with us, however, until the "conflict of interest" problem could be restored. This problem is the reason why earlier disclosure of details was not made by Land.

5. A copy of our proposed letter contract with Polaroid was left with Dr. Land for his study. Because of the patent problems and the conflict of interest problem the scope of this contract will have to be rewritten to provide, for the time being, only certain services of a test and processing nature. This would not involve any R and D and consequently no patents. The conflict of interests in this instance can be taken care of by writing a "no profit" contract.

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6. The proposed contract with Spcia was brought back since Dr. Baker is to think further on whether he can undertake the work on the sola camera and how he would do it before any contractual arrangement is entered into.

[Redacted Signature]

Contracting Officer

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JFK:jcm

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