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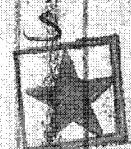
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18 Feb 70



MEMO FOR THE RECORD - Meeting, 10 Feb 70

- 1. Present: Dr. F. R. Naka
- Col F. S. Buzard
- Mr. D. Patterson

- Mr. J. Wolfe
- [Redacted]
- Mr. B. Aschebrenner
- [Redacted]
- Mr. F. Madden

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2. Subjects:

- a. Corona Program Status - CR-8, UTB, etc.
- b. NASA procurement of Corona cameras for their use in ERTS
- c. Release of Hexagon 12" camera info to NASA.

3. In response to questions from Mr. Wolfe, Dr. Naka responded that NASA had received no money to pursue the program using the "C" camera, that the NRO was not planning to buy any additional "C" cameras, that NASA was considering reprogramming action to obtain money to buy "C" cameras and that there were to be additional discussions between NASA and NRO on the matter.

4. Mr. Wolfe then stated that the company wanted to make classified presentations about the Hexagon 12" camera for possible use in NASA programs to appropriately cleared NASA people (Krueger, Jaffe, etc). A general discussion of philosophy, practicality, propriety, etc. ensued. During this discussion I reported on the previous episode (Messages Charge 4666; Whig 9631) when we told the company they could not make unsolicited presentations to NASA. Dr. Naka indicated the same reconsideration was necessary and that there should be conversations between NRO and NASA on the subject. Wolfe and company maintained that the 12" could be produced for NASA as part of my contract and passed to them for unclassified use in a manner similar to that used for [Redacted] on the "U" exercise. I opposed this approach as wasteful and inefficient - more time and money spent worrying ^{about} paper and security than producing hardware. Mr. Wolfe

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then proposed that a fictional program with PDR's, CDR's, and all the formalities could be run for NASA's benefit using all the results of my program - just redrawing (reissuing) the drawings with different identification blocks. This second program would be unclassified. I objected on the grounds that the fiction would be obvious and that again we would be spending money on paper unnecessarily. I then expounded the purely personal view that if NASA obtained permission to use the 12" Hexagon camera the present development contract should be declassified and transferred to NASA, that we would buy whatever 12" we needed from them, and that the stated policies on space-reconnaissance were violated and should be revised. To prevent any misunderstanding, I told Mr. Wolfe that he should send me a message requesting specific permission to talk to NASA on a cleared basis about the 12" camera and its technology, that I would forward his request to NRO for decision, and that he and company should have no discussions with NASA on the subject until specific permission was granted. He agreed.

5. On 11 Feb, I again talked to Mr. Wolfe and [redacted] about the problem and reiterated my instructions of the previous day. At that time Mr. Wolfe told me that as a result of the proposal they had made to NASA for the multi-spectral program (SL-190), NASA was asking detailed questions about their experience, capability, etc. He gave me a copy of a message from NASA (attached). With regard to questions 4, 5, and 8, their proposal was based on work done on either the 12" camera or on the GOPPS lens development effort which preceded it. Mr. Madden had been instructed not to refer to these developments in answering the questions although the company obviously needs to show and tell about that work to make their proposal credible. This raises the question, "At what level of assembly does an item become classified?" The rotating shutter has been developed on my 12" contract, it is being tested now, there are test results available. The proposed shutter is a scaled down version of the 12". Can they show the 12" test results to NASA? Can they admit they have already built some? Their proposed lens is a derivative of the GOPPS and 12" lens. Their previous experience is great but it is all on our programs. Can it be discussed with NASA? Obviously, the company needs to be able to back up their proposal with facts. We, at present prevent this officially. As a result, NASA may buy an inferior product elsewhere.

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F. S. Buzard
 F. S. BUZARD
 Hexagon SPO

1 Atch
 NASA Msg

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 SAFSS (Col Yost) ✓
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HOVER AFB TEXAS DELIVERY
FM NASA MSC HOUSTON TEXAS
TO ITEK 17 MAGUIRE RD ATTN E D CAMPBELL LEXINGTON MASS
SA
BT

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UNCLAS BG921. SUBJ: REQUEST FOR PROPOSAL BG921-46-D-87P,
MULTISPECTRAL PHOTOGRAPHIC FACILITY
FURTHER CLARIFICATION OF YOUR PROPOSAL 70-3111 IN RESPONSE TO
REQUEST FOR PROPOSAL BG921-46-D-87P IS REQUIRED. ACCORDINGLY, YOU
ARE INVITED TO GIVE A BRIEF PRESENTATION AND PARTICIPATE IN A
DETAILED QUESTION AND ANSWER SESSION IN SUPPORT OF YOUR PROPOSAL ON
FEB. 10, 1970, FROM 8:00 AM TO 11:00 AM. THE MEETING WILL BE HELD
IN BUILDING 321, AT ELLINGTON AFB, HOUSTON, TEXAS. YOUR FORMAL
PRESENTATION SHOULD BE BRIEF, APPROXIMATELY 30 MINUTES, AND SHOULD
EMPHASIZE MATERIAL OTHER THAN THAT COVERED BY YOUR PROPOSAL.
ADDITIONALLY, YOU ARE REQUESTED TO PROVIDE WRITTEN ANSWERS (20
COPIES) TO THE FOLLOWING QUESTIONS AND COMMENTS AT THE TIME
OF YOUR PRESENTATION:

1. PROVIDE SUGGESTIONS ON HOW TO SIGNIFICANTLY REDUCE COST WITH A
MINIMUM REDUCTION OF SPECIFICATION REQUIREMENTS.

For source evaluation to - very pleased w/ technical - out of line w/ others -

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2. PLEASE DISCUSS THE SPECIFIC COST REDUCTION AND DESIGN
SIMPLIFICATION THAT WOULD RESULT IF THE PRESSURE IN THE SPACE-
CRAFT COULD BE CONTROLLED SUCH THAT IT WOULD NEVER FALL BELOW
0.5 PSIA.
3. DOES YOUR METHOD OF FILM FLATTENING ELIMINATE NEWTON RINGS OR
ANY OTHER OPTICAL INTERFERENCE EFFECTS. IS THE BUILD UP OF STATIC
ELECTRICITY A POSSIBILITY?
4. WHAT IS YOUR EXPERIENCE IN DESIGNING AND FABRICATING A SHUTTER
OF THE DESIGN YOU PROPOSE? WHAT EXPERIENCE HAVE YOU HAD WITH
SHUTTERS OF THE PROPOSED TYPE?
5. PLEASE INDICATE YOUR CAPABILITY IN DISTORTION TESTING. HOW DO
YOU PROPOSE TO VERIFY THE LOW DISTORTION WHICH IS MENTIONED IN
THE PROPOSAL?
6. WHAT TYPE OF QUALITY CONTROL COVERAGE IS PROPOSED BY ITEK IN
THE VARIOUS PHASES OF TEST ACTIVITY?
7. SPECIFICALLY, WHAT IS THE INTENT OF ITEK IN TAKING EXCEPTION
TO THE INCLUSION OF VARIABLES DATA IN THE ACCEPTANCE DATA PACKAGE?
8. WHAT SPECIAL TECHNIQUES AND TESTING EQUIPMENT WILL BE USED IN
LENS FABRICATION AND ASSEMBLY TO MEET THE SPECIFICATION? WHAT IS
YOUR PREVIOUS EXPERIENCE IN FABRICATING AND ASSEMBLING METRIC

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QUALITY LENSES?

9. IS YOUR DESIGN OF INTERFERENCE PASSBAND FILTERS THE MOST
EFFICIENT AVAILABLE? WHO WILL FABRICATE THE FILTERS?
 10. CAN YOU SUPPLY THE RESULTS OF A TOLERANCE ANALYSIS ON THE
OPTICAL SYSTEM?
 11. PLEASE DISCUSS THE SPECIFIC COST AND DESIGN IMPACT OF PROVIDING
IN-FLIGHT CASSETTE DOWNLOADING OF THE MAGAZINES IN BRIGHT LIGHT.
 12. PROVIDE A SEPARATE COST BREAKOUT FOR SAFETY REQUIREMENT.
- DURING THE QUESTION AND ANSWER SESSION THE ABOVE QUESTIONS AND
ANSWERS WILL BE DISCUSSED, AND OTHER QUESTIONS SHALL BE PRESENTED,
IF APPROPRIATE.

PLEASE ADVISE [redacted] NASA/MSG, TELEPHONE (A/C 713-
483-2141, WHETHER YOU PLAN TO ATTEND, WITH LIST OF ATTENDEES BY
4:00 P.M., TUES., FEB. 10, 1970.

SGD [redacted] CONTRACT [redacted] HOUSTON, TEXAS

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