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PRIORITY WHIG INFO PRIORITY CHARGE, PILOT.
HANDLE VIA BYEMAN CHANNELS ONLY
GAMBIT/SECUR
REFERENCE: WHIG 0171
FOR WHIG/HOFMANN
FROM GREEN

THIS IS THE INFORMATION YOU REQUESTED ABOUT OUR SAMOS, LUNAR ORBITER, AND MOL PROGRAM INVOLVEMENT.
E-1 (1956-61) WAS A FILM/BIMAT SENSOR SYSTEM OF 6-INCH EFFECTIVE FOCAL LENGTH AND A 1.5-INCH APERTURE. WE WERE THE SENSOR SUBCONTRACTOR; LMSC WAS THE SPACECRAFT PRIME CONTRACTOR. THE SYSTEM USED A FLYING SPOT SCANNER/READOUT. WE ALSO BUILT AND OPERATED THE GROUND RECONSTRUCTION PORTION OF THIS IMAGING SYSTEM.

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E-2 (1957-61) WAS ALSO A FILM/BIMAT SYSTEM, OF 36-INCH EFFECTIVE FOCAL LENGTH AND 9-INCH APERTURE. THE CONTRACTORS WERE THE SAME, AS WERE THE READOUT AND GROUND PORTIONS.
E-3 (1959) WAS A STUDY PROGRAM ONLY, OF A FILM/BIMAT SYSTEM, OF ABOUT 100-INCH EFFECTIVE FOCAL LENGTH AND ABOUT A 24-INCH APERTURE. THE SAME CONTRACTORS PARTICIPATED.
E-4 (ABOUT 1959) WAS A STUDY PROGRAM ONLY, INVOLVING US AND ITEK, FOR A WIDE-ANGLE MAPPING SYSTEM. THE TECHNICAL PARAMETERS ARE NOT IMMEDIATELY AVAILABLE.
E-5 (ABOUT 1960) WAS ANOTHER STUDY PROGRAM FOR A FILM/RECOVERY SYSTEM. WE BELIEVE IT WAS ABOUT A 66-INCH EFFECTIVE FOCAL LENGTH WITH ABOUT A 13-INCH APERTURE. ITEK AND LMSC WERE THE PARTICIPANTS.
E-6 (1961-64) (ALSO KNOWN AS 690BJ) WAS A FILM/RECOVERY HARDWARE USING A DUAL, 36-INCH EFFECTIVE FOCAL LENGTH, 9-INCH APERTURE PANNING/MAPPING SYSTEM. WE, GE, AND LMSC WERE THE CONTRACTORS.
PROGRAM 201, OUR FIRST BYEMAN (GAMBIT) PROJECT (1960-67), WAS A

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1LM/RECOVERY SYSTEM WITH A 77-INCH EFFECTIVE FOCAL LENGTH, AND A 19-INCH APERTURE. WE, GE, AND LMSC WERE THE PARTICIPANTS.

VOIS/LUNAR ORBITER PROGRAM (1964-67) WAS AN UNCLASSIFIED FILM/BIMAT SYSTEM FOR NASA TO MAP THE APOLLO LUNAR LANDING SITES. WE

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WERE A SUBCONTRACTOR TO BOEING FOR THIS WORK. WE ALSO PROVIDED THE GROUND RECONSTRUCTION PORTION. TWO OPTICAL SYSTEMS WERE USED: A 24-INCH E.F.L., 4-INCH APERTURE CAMERA, AND AN 80MM E.F.L., 15MM APERTURE CAMERA.

MOL (DORIAN, 1965-69) WAS ANOTHER BYEMAN PROGRAM USING FILM RECOVERY, AND VISUAL USE IN THE ORBITING LABORATORY. THE OPTICS WERE OF [REDACTED] E.F.L., AND 72 INCHES APERTURE. WE, GE, AND MAC/DAC WERE THE ASSOCIATE CONTRACTORS.

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(b)(3)

MYRON KRUEGER ASKED ALSO FOR THE FOLLOWING INFORMATION:

THE PUBLICATIONS, "SECRET SENTRIES IN SPACE," BY PHILIP KLASS, RANDOM HOUSE, 1971, AND A SIMILAR BOOK BY GOLDMARK, FROM CES LAES, SHOULD NOT BE USED AS REFERENCES FOR OUR CREDENTIALS, ACCORDING TO THE CURRENT SECURITY GROUND RULES. THE FIRST BOOK IS A HIGHLY SPECULATIVE DOCUMENT.

BIMAT EXPERIMENTS WERE RUN UNDER CONTRACT WITH WELCH-PATTERSON AFB. OUR FINAL TECHNICAL REPORT WAS PUBLISHED AS "A DIFFUSION TRANSFER PROCESSING TECHNIQUE FOR PHOTOGRAPHIC FILM," BY F. JACKSON

AND K. SCRIENER, DECEMBER 1975, AFAL-TR-65-328, UNDER CONTRACT NO. AF 33(6.15)-1409, EXCO., FOR PROJECT NO. 6272, TASK 627210.

THIS INFORMATION MAY BE USED IN OUR DISCUSSION ON 10 FEBRUARY.

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