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HANDLE VIA BYEMAN
CONTROL SYSTEM

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DE RUXQAB 906 0402111
ZNY XXXXX YYY ZNM
P 092106Z
BT
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196, 906, OPCEN 012
PASS WHIG
PASS CHARGE

AA 0980 B2

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~~SECRET~~ 092106Z FEB 76 CITE BRISK 4768.
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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PAGE 2 BRISK 4768 ~~SECRET~~

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 698BJ) 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

~~SECRET~~
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LIM/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

SECRET

HANDLE VIA BYEMAN

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PAGE 3 BRISK 4768 ~~SECRET~~

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.

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 CBS LABS,
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 WRIGHT-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-65-320, UNDER CONTRACT NO.
AF 33(615)-1409, EKCO., FOR PROJECT NO. 6272, TASK 627210.

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

E-2 IMPDET

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