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SUBJECT: OBJECTIVES FOR THE MOL PROGRAM. THIS MESSAGE IN FOUR PARTS.  
PART I. DISCUSSIONS WERE HELD YESTERDAY WITH DR. MCMILLAN ON THE OBJECTIVES OF THE MOL PROGRAM. THE PURPOSE OF THE STATEMENT OF THESE OBJECTIVES IS TO PROVIDE SPECIFIC FOCUS FOR OUR ACTIVITIES BETWEEN NOW AND 15 MAY. THE OBJECTIVES ARE IN TWO CATEGORIES, GENERAL AND SPECIFIC.

PART II. GENERAL OBJECTIVES IN ORDER OF PRIORITY.

A. DEVELOPMENT OF TECHNOLOGY CONTRIBUTING TO IMPROVED MILITARY OBSERVATIONAL CAPABILITY FOR MANNED OR UNMANNED OPERATION. MAY INCLUDE INTERMEDIATE STEPS TOWARD OPERATIONAL SYSTEMS.

B. DEVELOPMENT AND DEMONSTRATION OF MANNED ASSEMBLY AND SERVICE OF LARGE STRUCTURES IN ORBIT WITH POTENTIAL MILITARY APPLICATIONS, SUCH AS TELESCOPES OR RADIO ANTENNAE.

C. OTHER MANNED MILITARY EXPERIMENTATION.

D. ADDITIONAL NATIONAL OBJECTIVES.

(AS YOU WILL NOTE, THESE GENERAL OBJECTIVES ARE ESSENTIALLY IDENTICAL TO THOSE CONTAINED IN THE 4 JAN 65 MEMO FOR UNDER SECRETARY OF THE AF FROM DDR&E, SUBJ: MANNED ORBITING LABORATORY. ANY CHANGE OF WORDING IS IN THE INTEREST OF BREVITY AND NOT TO CHANGE THE INTENT OF THAT MEMO.)

PART III. SPECIFIC OBJECTIVES IN ORDER OF PRIORITY:

A. (1) DEMONSTRATION OF MANNED OPERATION AND SERVICE OF A PHOTOGRAPHIC RECONNAISSANCE AND IN-SPACE PHOTOGRAPHIC INSPECTION SYSTEM CAPABLE OF [REDACTED] RESOLUTION.

(2) DEVELOPMENT OF ELEMENTS AND TECHNOLOGY REQUIRED FOR OPTICAL CAMERA SYSTEMS OF HIGHER RESOLUTION. (DR. MCMILLAN FEELS THAT THIS IS NOT A VERY SPECIFIC OBJECTIVE AND OBVIOUSLY NEEDS TO BE MADE MORE DEFINITE AS WE CAN IDENTIFY THE KINDS OF ELEMENTS AND THE TECHNOLOGY WHICH WE FEEL IS APPLICABLE TO EITHER THE JIM BAKER APPROACH OR THE FRANK GORMAN APPROACH TO VERY HIGH RESOLUTION OPTICAL SYSTEMS. IT IS INTERESTING TO NOTE THAT THIS IS #2 ON THE PRIORITY LIST.)

(3) DEMONSTRATION OF THE ASSEMBLY, SERVICE, AND MANNED OPERATION OF A HIGH GAIN SIGNAL INTELLIGENCE COLLECTION CAPABILITY TO OBTAIN HIGHEST PRIORITY COMMUNICATIONS INTELLIGENCE.

(4) DEMONSTRATION OF MANNED OPERATION AND SERVICE OF A MULTI-SENSOR PAYLOAD CAPABLE OF PROVIDING [REDACTED] OCEAN SURVEILLANCE AND [REDACTED] CRISIS MANAGEMENT RECONNAISSANCE. (ITEMS A(3) AND A(4))

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1- Stan Crow  
2- Dr McMillan  
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SHOULD BE COMBINED IF PRACTICABLE. IT IS RECOGNIZED THAT STUDIES ARE CURRENTLY UNDERWAY ON THIS EFFORT. CONSIDERATION SHOULD ALSO BE GIVEN TO THE POSSIBLE USE OF THE A(4) EQUIPMENT FOR BOMB DAMAGE ASSESSMENT AND OTHER POST-ATTACK RECONNAISSANCE REQUIREMENTS.)

B. (1) DEMONSTRATION AND MEASUREMENTS OF BIOLOGICAL RESPONSES OF MAN PERFORMING USEFUL MILITARY MISSIONS IN ORBIT FOR THIRTY DAYS OR MORE.

(2) DEMONSTRATION OF MANNED IN-SPACE MAINTENANCE CAPABILITY TO EXTEND THE USEFUL LIFE OF MILITARY APACE PAYLOADS.

(3) DEMONSTRATION OF EXTENDED MANNED EXTRA-VEHICULAR ACTIVITY, TO INCLUDE ASSEMBLE AND ADJUSTMENT OF MILITARY EQUIPMENT IN SPACE.

C. (1) PROVIDING A MANNED ORBITAL VEHICLE CAPABLE OF ACCEPTING ADDITIONAL MILITARY AND NON-MILITARY EXPERIMENTAL PAYLOADS TO MEET EVOLVING MILITARY AND NATIONAL DEVELOPMENT OBJECTIVES. (EXAMPLES OF PAYLOADS WHICH SHOULD BE CAREFULLY EXAMINED FOR INCLUSION IN THE DEMONSTRATION PROGRAM ARE THOSE RELATING TO GEODESY, COMMUNICATION,

OTHER MILITARY PRIMARY OR SECONDARY EXPERIMENTS AND A CAREFUL SELECTION OF THE MORE SIGNIFICANT NASA EXPERIMENTS WHICH HAVE BEEN PROVIDED.)

PART IV. THE FOREGOING OBJECTIVES ARE INTENDED TO APPLY TO THE INITIAL FLIGHT TEST PROGRAM AND ARE TO BE MET BY INTEGRAL LAUNCH. THEY SHOULD BE USED AS A FRAMEWORK UPON WHICH TO BUILD OUR DOCUMENTATION AND BRIEFING FOR THE PERIOD FOLLOWING 15 MAY. AS MORE SPECIFIC INFORMATION BECOMES AVAILABLE ANY CHANGES TO THESE STATEMENTS OF OBJECTIVES SHOULD BE BROUGHT TO DR. MCMILLAN'S ATTENTION PRIOR TO THEIR ADOPTION AS PROGRAM OBJECTIVES.

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