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Handle Via Indicated Controls

BYEMAN-TALENT-KEYHOLE-COMINT

Project IDEALIST-OXCART-CORONA-GAMBIT-

QUILE-██████████-HEXAGON-DORIAN



SEMI-ANNUAL REPORT

TO THE

PRESIDENTS FOREIGN INTELLIGENCE

ADVISORY BOARD

ON THE

ACTIVITIES OF THE

NATIONAL RECONNAISSANCE PROGRAM

1 NOVEMBER 1965 - 30 APRIL 1966

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SEMI-ANNUAL REPORT

TO THE

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THE NATIONAL RECONNAISSANCE PROGRAM

1 Nov 65 - 30 Apr 66

HANDLE VIA JOINT BYEMAN/TALENT-KEYHOLE/COMINT
CHANNELS ONLY

IDEALIST/OXCART/CORONA/GAMBIT/DORIAN
HEXAGON/QUILL, [REDACTED]

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DORIAN - Contract definition phase (Phase I) effort for the Manned Orbital Laboratory (MOL) continued with Douglas Aircraft for the Lab Module, the General Electric Company for the Mission Module, McDonnell Aircraft Corporation for the GEMINI B capsule, the Eastman Kodak Company for the optical payload and the TITAN III booster contractors for the up-rated TITAN III vehicle. Submission of firm Phase II (hardware acquisition phase) contractor proposals is scheduled for May and June 1966 with Phase II initiation planned for September 1966. Contracts for long-lead items of hardware and for facility construction at Eastman Kodak, which are required to protect the scheduled launch of an "all-up" manned laboratory in late 1969, were issued in March and April.

Selection of the launch site at Point Arguello, Air Force Western Test Range (WTR) was completed in March 1965. Site preparation and design of the launch facilities have been initiated.

Announcement was made in November 1965 of the selection of eight MOL astronauts. Two Navy and six Air Force officers were chosen. All are experienced pilots and graduates of the Air Force Aerospace Test Pilot School.

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Pursuant to the November 1965 direction of the President's Scientific Advisory Committee, the MOL design configuration was altered to permit operation in the unmanned as well as in the manned mode. For unmanned operation the GEMINI B will be replaced by a module containing multiple (probably 6) re-entry vehicles.

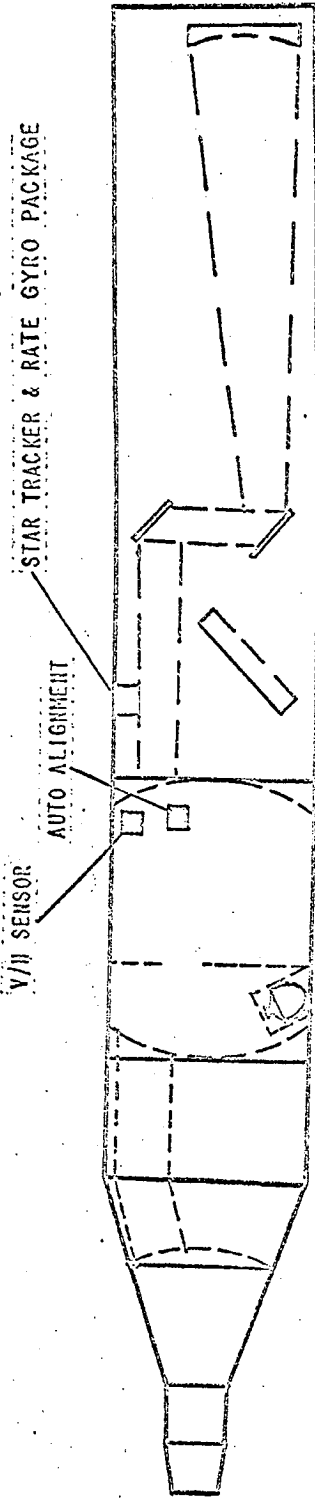
Firm definition and selection of the primary optical system was completed in February 1965. Studies revealed that a 70-inch aperture lens would be required (vice the 60-inch previously thought adequate) to provide the desired [REDACTED] ground resolution.

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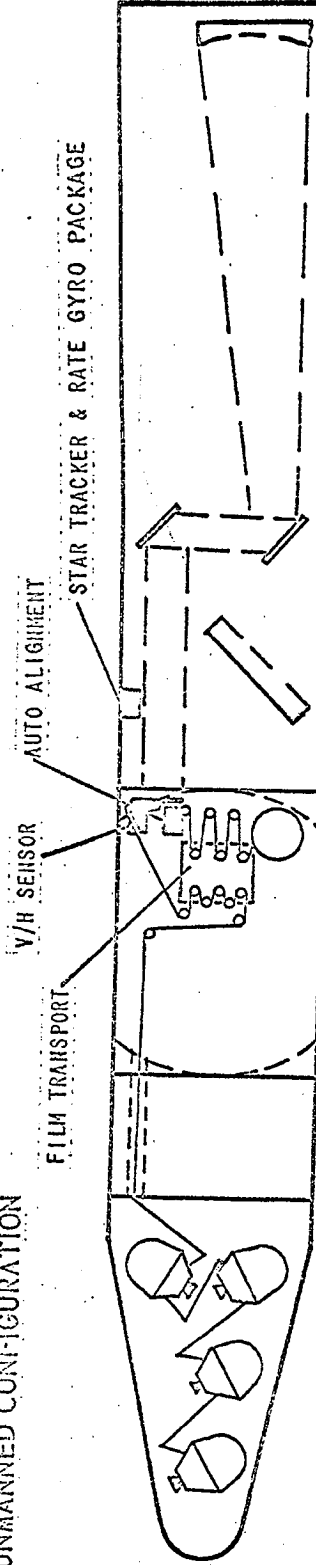
MANNED/UNMANNED SYSTEM

MANNED CONFIGURATION



/ Add Automated Capability to Laboratory and Payload

UNMANNED CONFIGURATION



- / Remove Gemini B
- / Remove Crew Segment and Portable Crew Segment Equipment
- / Add Nose Cone and Data Recovery Capsules
- / Add Auto Film Transport

DORIAN CAMERA SYSTEMS

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