

4 Oct 1966  
NRO Comptrol-1600  
26909/260

~~TOP SECRET~~ [Redacted]

From: Dir NRL Wash DC 20390

To: Dir NRO [Redacted]

Project

Subj: Project POPPY Funding, Request for FY-67  
Encl: (1) Monthly Project expenditure status reports  
(2) Obligations and estimates for FY-66 & 67 for POPPY  
(3) Estimates for Costs for FY-68 for POPPY.

1. With the advent of the new fiscal year, the Naval Research Laboratory desires to present its funding requirements ~~xxxxxxx~~ for the POPPY Program for FY-67.

2. The Enclosure(2) presents the monthly obligations/~~xxx~~ POPPY/ for the period of FY-66 and the first two months of FY-67. July and Aug monthly status reports have been included since these are the most recent available to the Laboratory at this time.

3. The launch-date for MISSION 7105 has slipped to 10 December 1966 with the following consequences ~~xxxxxx~~ reflected in the cost estimates for the MISSION 7105 and 7106 FY-67 period:

- A. The/long-lead-time items for MISSION 7106 have been delayed so that only \$617.3 K has been obligated forward.
- B. MISSION 7105 costs have been stretched out over a longer period, with a small increase over that previously estimated.

4. Enclosure (3) reflects the best estimate of the POPPY Program costs expected during the FY68 period. These estimates are based on the following factors:

- A. Eighteen month period between the scheduled flights of MISSIONS 7105 & 7106.
- B. The possibility of arranging for an early flight test of experimental hardware and techniques, designed consistent with improvements in the state of the art, to provide proven performance of new R & D items which will greatly enhance the future capabilities of the POPPY System.

5. In summary, the FY-66 obligations plus the estimates for FY-67 for MISSIONS 7105 and 7106 indicate a deficit in the amount of \$5,499,100.00. It is requested that ~~xxxxxxx~~ these funds be made available at the earliest time so that the Laboratory can complete the final phases of MISSION 7105 and initiate the major efforts in the preparation of MISSION 7106.

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HANDLE VIA  
BYEMAN TALKING HOLE  
CONTROL ROOM

4 Oct 1966  
For NRO

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MONTHLY PROJECT EXPENDITURE STATUS

	Monthly total	Cumulative total
FY-66 July	315.3 K	① 315.3 K
August	740.8	1,056.2
Sept	355.8	1,411.9
Oct	349.0	1,850.9
Nov	516.6	2,367.5
Dec	410.0	2,777.5
Jan	535.7	3,313.2
Feb	651.3	3,964.5
Mar	548.8	4,513.3
Apr	567.8	5,081.1
May	632.5	5,713.6
June	931.4	6,645.0

FY-66 Average monthly expenditure = 553.7 K

	Monthly Total	Cumulative total
FY-67 July	240.6	240.6
August	<del>336.0</del> 335.6	576.2
Sept	265.0	841.2
Oct	708.2	1,549.4
Nov	252.8	1,802.2
Dec	204.4	2,006.6
Jan	823.5	2,830.1

20 Feb 67  
for 7106 re-wrote  
7107

Monthly average to date 404.3  
7 mo. avg

Enclosure #1

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HANDLE VIA  
BYEMAN-TALENT CONTROL  
CONTROL SYSTEMS UNIT

170 change @ 3000  
1707 ~~SECRET~~ 1707

I. PAYLOAD (development-recurring)

- 20K A. Electronic Equipment (Including Data & Telemetry) . . . . .
- 50K B. Stabilization. . . . .
- C. Power Systems. . . . .
- D. Control Systems. . . . .
- +25K E. Compatibility & Environmental Tests
- +25K F. Mechanical Structures & Fabrication. . . . .
- G. NRL Salaries & Overhead. . . . .
- H. Misc. Mats, Travel & transportation

FY 68 ESTIMATE	
	<u>37,550.</u>
	790.0 <sup>280.</sup>
	320.0
	<u>180.0</u>
	150.0
	50.0
	25.0
	1435.0
	805.0
	<u>12,650.</u>
	270.0
	160.0
	360.0
	475.0
	<u>450.0</u>
	450.0
	<u>530.0</u>
	375.0
	155.0
	<u>6,000.0</u> <del>268.0</del>

II. GROUND STATION (investment)

- 614  
325K A. Electronics (receiving, recording, timing systems) (a. to sorting) . . . . .
- B. Antenna Systems. . . . .
- C. NRL Salaries & Overhead. . . . .
- D. Materials, Travel & Transportation

III. FACILITIES (investment)

- A. Test Equipment & Facilities. . . . .

IV. SERVICES (Operational)

- A. Operational Field Assistance. . . . .
- B. Computer Service. . . . .

Total FY68 Estimate

Approved for Release: 2021/04/20 C05025591

TOP ~~SECRET~~

HANDLE VIA BYEMAN-TALENT KEYHOLE CONTROL SYSTEMS JOINTLY

Enclosure #3

I. PAYLOAD (development-recurring)

- A. Electronic Equipment(Including Data & Telemetry)
- B. Stabilization.
- C. Power Systems.
- D. Control Systems.
- E. Compatibility & Environmental Tests
- F. Mechanical Structures & Fabrication.
- G. NRL Salaries & Overhead.
- H. Misc. Mats, Travel & transportation

FY-66	FY 67 (2 months)		FY-67 (10 months)		
	Obligations	Estimates	Obligations	Estimates	
3624.1	298.3	316.0	25.0	1255.0	2098.0
767.3	298.3	7.5	25.0	200.0	650.0
420.0		7.5		34.0	200.0
185.0					140.0
150.0		2.0		43.0	70.0
55.7				50.0	25.0
50.0				35.0	35.0
1323.9		214.4		565.0	572.7
671.9		89.6		325.0	405.3

II. GROUND STATION (investment)

- A. Electronics (receiving, recording timing systems).
- B. Antenna Systems.
- C. NRL Salaries & Overhead.
- D. Materials, Travel & Transportation
- E. Miscellaneous

FY-66	FY 67 (2 months)		FY-67 (10 months)		
	Obligations	Estimates	Obligations	Estimates	
1694.6		320	2.5	937.5	673.0
646.7		14.8	25.0	240.0	200.0
232.3				114.5	60.0
342.6		62.1		178.0	178.0
470.0		65.5		235.0	235.0
		180.		180	

III. FACILITIES (investment)

- A. Test Equipment & Facilities.

460.0	235	34.0	34.0	270.0	500.0
460.0	235	34.0	34.0	270.0	500

IV. SERVICES (Operational).

- A. Operational Field Assistance.
- B. Computer Service.

336.0				315.0	200.0
255.0				225.0	150.0
81.0				90.0	50.0

611.7	533.3	492.4	84.0	2607.5	3471.0
6645.0K		576.4K		6078.5	

SUMMARY TABLE:

FY	Obligations	Funds	& Estimates Received
64	\$4,365.0K	\$6,000 K	
65	5934.2	6,000	(1694.2)
66	6,645.0	6,000	
67	6,654.9	-----	

FY-66	2 MONTHS	10 MONTHS
OBLIGATED	FY67 OBLIGATED	FY67 ESTIMATED
	FY-67 \$665.4.9 TOTAL/COST	

HANDLE BY  
BYEMAN-TALNT-K  
CONTROL SYSTEMS JOINTLY