

MIT/IL SOFTWARE ANOMALY REPORT

MIT REPORT NO.	LNY 38
PROGRAM LUMINARY	
PROGRAM REVISION 69	

1.1 ORIGINATOR: C. Schulenberg	1.2 ORGANIZATION: MIT-IL	1.3 DATE: 2/17/69	1.4 ORIGINATOR CONTROL NO.:
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1.5 DESCRIPTION OF ANOMALY:

When Servicer is in operation the POODOO subroutine performs a BANKCALL to a special routine in fixed bank 32 called SERVIDLE. SERVIDLE has the purpose of disconnecting all but the state-vector dependent functions from Servicer and then causing a software restart in order to terminate all extended verbs and monitor displays. Then, of course, the standard POODOO flashing verb 37 is put up on the DSKY. The anomaly stems from the fact

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1.6 DESCRIPTION OF RUN:

Visual inspection of program

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- MIT ANALYSIS -

2.1 CAUSE:

Failure of POODOO routine to set superbank bits.

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2.2 RECOGNITION:

The program alarm light will go on but no flashing verb 37 will appear. Code 1501 will be later found to be in-one of the FAILREGS.

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2.3 MISSION EFFECT:

Indeterminate. The computer will probably suffer a hardware restart and possibly even enter a restart loop. 2&22

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2.4 AVOIDANCE PROCEDURE:

None. The ~~odds~~ chances of this event occurring, however, are practically zero.

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2.5 RECOVERY PROCEDURE:

Fresh start followed by complete re-loading of all erasable memory.

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2.6 PROGRAM CORRECTION:

Add setting of superbank bits to the POODOO routine.

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2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc):

Fix in LUMINARY 1A

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2.8 RECOMMENDED RE-TESTING:

Hybrid test of 1501 abort.

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2.9 MIT/IL SIGNATURE: <i>George W. Cherry</i>	2.10 DATE: 3/3/69
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3.1 NASA DIRECTION:

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4.1 CLOSING ACTION TAKEN:

Fix in LUMINARY 1A
George W. Cherry

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3.2 NASA/MSC SIGNATURE:	3.3 ORGANIZATION	3.4 DATE:	4.2 SIGNATURE:	4.3 ORGANIZATION:	4.4 DATE:
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