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BYE-4077-64

Copy 2 of 3

18 February 1964

REPORT 162  
STOPPER - NEW IDEA

RECOMMENDATION:

In addition to the [REDACTED] tracker which I suggested in report 126, I have had a second idea that I would like to propose. I have EDL working on the engineering for it. I propose that this idea replace Logic S in the proposal for STOPPER II. As I have reported before Logic S is not, in my opinion, of marginal value. This idea looks good to me but maybe I am biased in favor of my idea.

The idea would be as follows: each time Logic A is activated, a measuring circuit much simpler than Logic S would be activated to measure the spaces between the next ten or so pulse. This would be recorded on the commutator and be read out thereby giving us a very accurate picture of the train of pulses that had tripped Logic A. This is good environmental data -- much better than Logic S -- and will have no redundancy in its output. The addition of this idea -- let us call it Logic Q and the tracker of report 126 will be less involved than Logic S would have been.

RECOMMENDATION: That we build STOPPER II as proposed by EDL -- less Logic S plus the tracker stick of report (which tells us (a) it sees a 98 PGS signal and (b) that signal is or is not tracking us (constant amplitude pulses) and plus Logic Q, a series of n pulse spaces separations following

HANDLE VIA **BYECON**  
CONTROL SYSTEM

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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BYE-4077-64  
Page 2

an activation of Logic A.

This looks like a good package to me. We await your decision.



Distribution:

- 1 - [REDACTED]/OEL
- 2 - AD/OSA
- 3 - OEL Registry

[REDACTED]/OEL, [REDACTED]:dt/6941    Typed 25 Feb 64



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