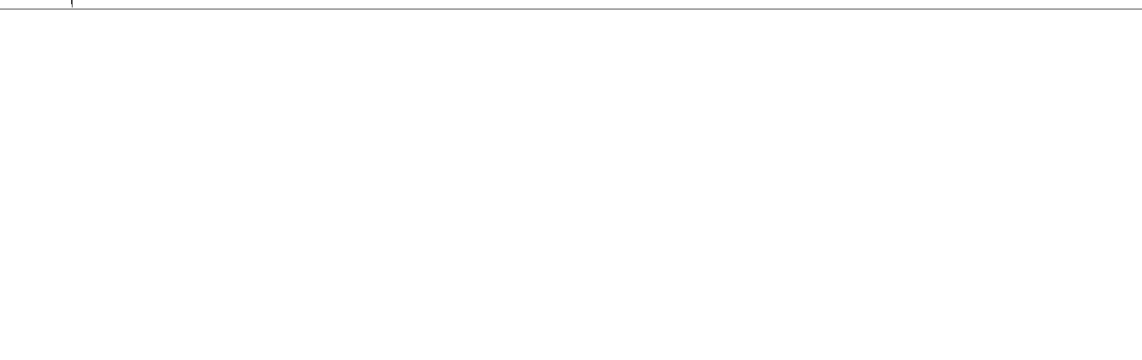


~~TOP SECRET~~

NOTES ON POPPY'S AREAS OF SUPPORT TO NAVY REQUIREMENTS:

I ~~The~~ basis POPPY system is a broad-band omni-directional radar intercept system and as such is just an extension of the standard ELINT mission performed by the Cryptologic Community. The 500 mile satellite orbital altitude provides an instantaneous coverage over a circular area ~~3500~~³⁵⁰⁰ x n.mi. in diameter which equates to the area of the North Atlantic Ocean. The frequency coverage is from [] Mcs to [] Mcs [] to exist. The collection system is a series of Crystal-Video type receiver, ^{with} thresholding systems and pulse transmitters which operate in ^a real-time transpond mode. This technique allows ^{The following:} significant



A wide range of tasking flexibility allows the four satellites of one launch to be used in many different ways in support of the various operational targets and missions. Operationally the system has been in use ~~xxxxxx~~ since 1960 and at this time there are [] satellites being operationally tasked, [] of these are restricted to use during daylight hours only. The ~~subcommittee~~ ^(SORS) Sigint Overhead Reconnaissance Subcommittee/ through the SAFSS have the exclusive prerogative for tasking these satellites against the National requirements for ABM/AES search, in addition to the [] requirements set forth by the USIB. The results of this effort has been very outstanding with ^{much} most of the general intelligence in the ~~ELINT~~ ^{ELINT} field coming from POPPY

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WAYS

The overall system responds in a number of different ~~fashions~~, *(T)*

[Redacted]

(2) SIGNAL OF INTEREST: Signals of high interest because of their variant or developmental characteristics [Redacted] are reported by the POPPY community by message on a regular basis to NSA. [Redacted]

(3) LOCATION or DETAILED ANALYSIS: This effort takes place at both NSA and at the collection site within a period of [Redacted] of the observation of the signal. *Within [Redacted] of observation analysis is usually done.*

[Redacted]

III

There has been no direct requirement for Navy oriented Missions but a number of items of interest have resulted after-the-fact. The most noticeable was the build-up and fall-off of ship board emitter activity with a deployment, operation and final termination of a Soviet North-Sea exercise in the fall of 1966. There have been many other cases where after the fact, an analysis has shown signals or modes of operation of Navy interest. Just recently for example,

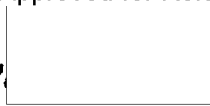
[Redacted] was analysed in a short term mode and was found to have a [Redacted]

To date there is no method of getting regular Navy oriented analysis and no inputs adequate to influence tasking with a Navy Flavor. As a result the intelligence has been very spotty, However, all of the parameters of signals have been measured and accidentally such items as ship location have been analyzed.

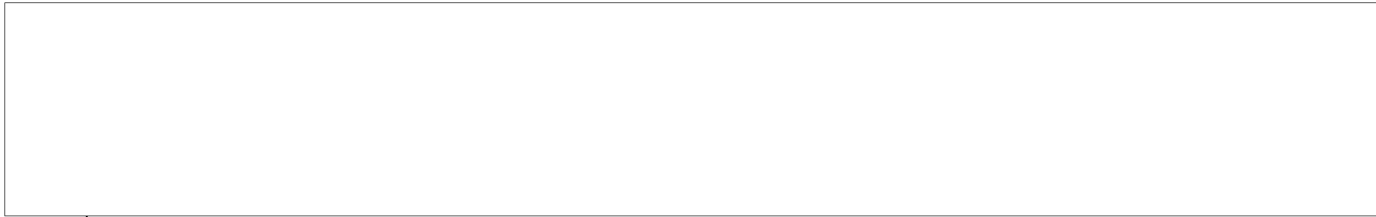
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Control System*

[Redacted]

~~Top Secret~~



- 1. Tasking over ocean areas was based on the Navy targets.
- 2. Tasking over the ocean areas could be made available



5. Direct Analysis to support the Ship type targets.

The Naval Research Laboratory currently is up-dating the existing overseas data collection sites with new receivers, antennas and digital processing equipment including a computer, to allow the individual sites to provide highly accurate, analysis capability. This type of data collection station could easily provide an additional input to the Tactical Navy's ELINT needs.

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