PRIORITY #I. DR. LAWSON'S POINT PAPER.....

OUTLINE...

TOP SECRET [redacted]

Statement of [redacted]mporary POPPY System, WHAT, WHERE WHEN, & HOW.

ELINT(Satellite) data collection scheme with transponded data being collected at [redacted] cryptologic Community sites located around the periphery of the Sino Soviet Bloc. Major mission of this program is to fulfill the requirement set forth by the USIB for the collection of data leading through to the general search/early identification of the signals on the National Priority target list (Primarily the [redacted] target since November 1966). The satellites are launched in groups of four with [redacted] the analysis community...a technique which is independant of frequency that has proven extremely versatile both at NSA and at the one site which has been supplied with a Field Digitizing/Computer capability.

Emittor locations [redacted] have been made possible by this Field Digitizing/Computer system on the signals of major interest as well as certain of the signals of Navy interest (Since this site is the Navy site in [redacted] this effort has been especially well motivated) but religated to a third order in priority behind those signals which have known [redacted] significance and (2) those which have been included on the Signal Of Interest (SOI) list generated by NSA).

With the most recent Mission 7105 satellite systems and the one field digitizer/computer site starting this effort only about 18 months ago the learning processes have been remarkably productive. The first observation by the entire community of the DOG HOUSE emittor was made the second day of operational use of this MISSION 7105, with the first observation of the SARY SHAGAN HEN EGG following this on the fourth day of operational usage. These two [redacted]

TOP SECRET [redacted]

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(2).

During the four months following August 1968 the Field Digitizer/ Computer system in [redacted] has been providing about [redacted] on the following emittor types:

[redacted]

This productivity has been limited for the following reasons:

1. Tasking of the satellite systems has been made by the National signal priority listing not necessarily reflecting the most favorable geographic and spectrum coverage for the ship location (NAVY) problem. (give # opportunities /week average)
2. Computer has only been available for use about 3 to 5 hours/day due to the lack of backup method for making the NSA Digital Tape record of the data. (This will be illeviated in the next 5 months).
3. The learning curve has not yet allowed this complex system to reach its peak efficiency, either in the training of the computer analysists (a new breed of specialists in a NAVY full of special trained men) or in the operational software which is undergoing continued streamlining and improvement using an identical computer system located at the HRB-Singer plant in State College, Pennsylvania.
4. Certain of the demanding computer sort routines will be done in real time by hardware now under development.
5. The contemporary satellite systems are in their 19th month of orbital lifetime and have exceeded their design lifetime. This means that several of the portions of the spectrum are dormant, and others are intermittent in their availability for operational utilization. One satellite is useful in Daylight only so for location purposes, targets seen in payload darkness are not locatable (only one payload available and [redacted]

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