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SUMMARY OF VARIOUS STATION REPORTS

[REDACTED]

1. Main problem is the low orbits and short times above the horizon and consequent low signal strength making it difficult to observe telemetry responses to interrogation.

[REDACTED]

Technical Problems:

1. [REDACTED] has a large number of tapes which have the opening announcement recorded on the first minute or so of the tape but later tape was not used because the existing Primary Recording reel was large enough to record the entire pass. Recommend they be authorized to erase these tapes and use them over since all but first few minutes of the tape is virgin. [REDACTED] has adequate facility as part of BORESIGHT to do the erasing.
2. Some of the amplifiers of the four trace scopes are defective. Replacement units will be ordered and defective units exchanged. Spare unit will be supplied each site.
3. Battery used with the Digital Time Code Generator apparently is defective. Replacement unit will be ordered and shipped, salvaging good cells from the returned unit.
4. Some trouble with isolated tape reels not fitting the recorder. Apparently not important problem since it occurs only rarely.
5. Backup time code generator apparently not working. Will attempt to diagnose the trouble and recommend changes.
6. Test equipment is adequate.

Administrative Problems:

1. [REDACTED] would like the orbital elements for every fifth orbit, i.e., -275 -280-285, etc. instead of unrelated ones like 276-279-284, etc. Recommend tasking group consider this change.

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2. At present [] waits until they have a good recording on the paper tape readout before interrogation. Recommend the SOP be reviewed and portion requiring paper tape readout be waived on de-emphasized and rely on SSCE's.
3. [] would like training tape identifying important signals for operator training since Elint-trained operators are not available at the stations. NSA and NSG will investigate.
4. [] is reticent to send messages of technical difficulties for fear of reflecting on stations capability. Believe this is detrimental to their operation. NSG will advise.
5. Unsuitable Byman Space is available.

1. No 60 KC on tracts six and four due to station not following SOP setup and reflects poor material support by site. Situation was periodically reported back to station by NSA as a deficiency. NRL representative corrected situation.
2. Recorders were not capable of coming up to speed with 14-inch reels. NRL representative changed the recorder servo drive amplifier to 14-inch reel-position. Believe it is now adequate.
3. Digital Time Code Generator battery charger system was improperly wired due to factory wiring error. NRL representative corrected.
4. There is a need for a better system of checking drift rate of the time code generators. Interpretation of SOP allows for local interpretation. Recommend new instructions in SOP.
5. No maintenance man has been available at the site since April. Available Mat men are busy on Bank Head project and only attend to items out of service. We need a definition of priority for our project relative to Bank Head and Line Backer, both of which have an inferred higher priority locally.
6. No Byman Space is available so all work including stowage of pubs, drafting of messages, and wrapping of tapes must be done in the hut.

HANDLE VIA
BYMAN
CONTROL SYSTEM ONLY

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1. No particular technical problems.
2. Station reports it has no billet assignments from NSA. Believe this is also true for [REDACTED]

[REDACTED]

1. Huts antennas headings were both set up about 12 degrees off. Believe these were set by compass instead of by North Star. Recommend SOP modification stressing North Star Set.

2. Some troubles were reported with the capstan drive amplifier. These units are to be replaced by new units supplied by the manufacturer at no cost. NRL still awaiting delivery; will attempt to expedite.

3. [REDACTED] has a critical shortage of maintenance men due to loss of clearance by certain men due to family problem caused by marrying [REDACTED] girls and because of injuries due to auto accidents. NSG will investigate.

[REDACTED]

Equipment Problems:

1. Signal generator intermittent and has suspected power level error. NRL will exchange signal generators.
2. Recorder Bias Oscillator replaced.
3. Recorder "O" Ring trouble; explained solution to Mat man in letter from NRL representative.
4. Standby Time Code Generator out of service. NRL has parts on order and are expected in thirty days.
5. Local ignition noise excessive, but station is trying to solve with roadblocks.
6. Soundcraft-manufactured tapes being degaussed locally to avoid hum troubles.

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GENERAL PROBLEMS PRESENT AT MOST STATIONS

1. Mistuning of receivers and swinging of antennas during the runs. Recommend SOP be modified to put less stress on tracking and more on obtaining good consistent Elint Data. To assist this situation NRL is building the azimuth deviation indicator units for all stations. This will help in the future. SOP should cover this.
2. It has been suggested that the tasking message be modified to include the ephemeris data for each pass. Tasking committee will look into this.
3. There is a need for SOP instructions regarding the 60 KC levels, etc. on the recorders. NRL, NSA, and NSG will coordinate the change.
4. It is felt that the best way to obtain uniform results at each station would be to bring back one key man from each station for instructions perhaps in October.
5. There is a need for NSA to again go out to all stations and indicate the billet allocations for the operating personnel and establish the priority for this project relative to Bank Head and Line Backer.
6. There was general agreement that in the interests of maintaining high moral a well done to all stations would be in order.

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