

SECRET **COMMENTS ON EGGSHELL**

1. Instructions for setting record level not complete in SOP. May be possible that available SOP not up to date.
2. Radiation from oscilloscope four trace amplifier on "chopper" position, source of interference apparently coupling to R-390 receivers. Grounding some help. Recommend "Alternate Sweep" rather than "Chopped" mode.
3. Converter oscillation cured by loading and realignment for 3 mcs bandwidth and 45 db gain. Converters capable of over 70 db gain but not stable. 40 to 45 db is sufficient for receiver gain control setting.
4. Sixty kilocycle oscillator left in "on" position so that Secondary hut could be used without turning recorder on in Primary hut. Only necessary to patch in to use if so tasked.
5. Considerable difficulty in obtaining time checks. RES/RWN, Moscow only reliable signal. Available for about 15 minutes only each afternoon. Accuracy is questionable since rate and direction of drift not consistent. Suggest effort to provide VLF capability.
6. Back-up time code generator huge maintenance problem. Requires more effort than apparently worth.
7. Receiver tuning biggest operational problem. Suggest priority be placed on devices to aid in solution. NRL will check several ideas under development.

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