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May 29 1959

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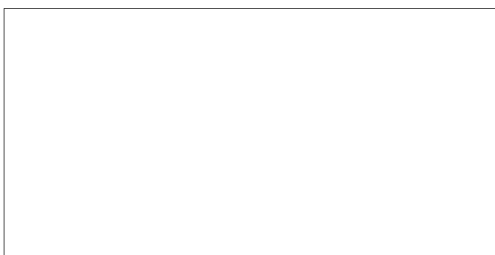
MEMORANDUM FOR THE RECORD:

SUBJECT: Requirements Board Meeting this date concerning Beacon requirements.

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Attending;



*Very interesting JB*

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1. [redacted] requested a status report from Commo on the Beacon for interim requirement. This, according to [redacted] is [redacted] with a frequency change to the 1500-1750kc range of aircraft ADF receivers. This was tested on west coast and proved satisfactory for short range if weather was fair to good. Static from electrical disturbances would be a factor and for this reason FE feels they cannot use as a primary system during this period of year in Tibet.

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2. The foregoing focused attention back on any other system that would be useable in this specific type of situation. The undersigned volunteered that possibly at the altitudes contemplated Sarah would be satisfactory bearing in mind it is not compatible with existing military equipment. The terrain factors, shape and characteristics of lobe were explained and the factory of operating at that altitude 28-30,000' with terrain of 14 to 21,000' made it impossible to predict ranges and consistency.

3. Possibility of lifting antenna into air via balloon, mainly for use with the low frequency beacon, were discussed and the undersigned mentioned the fabric [redacted] is using in hot air applications, This is of considerable interest to commo.

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4. The Westpender Beacon is out. Consensus of opinion was that the straight commo high freq. beacon was better and no further work is contemplated with [redacted] Commo has requests for proposals out to [redacted] and one other Co. for the basic requirement, low altitude, 20 mile range etc. however it will be at least 6 months before any progress in satisfying this requirement will be evident.

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5. [redacted] requested WAD to test Sarah, all altitudes and ranges with a view toward satisfying this interim FE requirement or to possibly use as backup with the high frequency. He was advised we would only have the Helio to 15 June and would do all testing possible within the available 2 week period.

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