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Conference Report
Radio Station AS-3
May 27, 1957

[REDACTED]
EA-122-1

General

This report concerns a meeting held on 8 May, 1957 at [REDACTED] The meeting was attended by:

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The purpose of the conference was to hold a general project review, and to acquaint [REDACTED] with [REDACTED] personnel and facilities.

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Discussion

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Topics discussed and conclusions, if any, are outlined below.

1. The customer has expressed urgent need for the rapid accomplishment of the AS-3 program. [REDACTED] was requested to do anything possible to speed up the program.

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[REDACTED] is currently trying to add competent personnel to its staff for assignment to this project. Current labor procurement difficulties are well known. In order to implement the program, additional consultive support from the [REDACTED] engineering staff will be made available.

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2. Various interconnection methods were discussed. The fact was established that the receiver used for the AS-3 had not been selected, hence:
 - A. The power supply requirement cannot be established.
 - B. The method of system interconnect cannot be established.

A request was made that [REDACTED] make recommendations as to the packaging philosophy.

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3. Other GFE portions of the AS-3 were discussed as to availability.
 - A. The printer APT-3 was to be sent to us by 15 May.
 - B. Drawings (outline) and photographs of both the printer and the two types of receiver were to be sent immediately.

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C. The receiver choice is expected in July.

4. The impedances to be expected of the various antennas were specified as 50 to 1200Ω, $\pm 45^\circ$ per the equipment spec. Both [] and [] gave the opinion that low impedances were most probable, in the 50Ω region.

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A. A study under another contract is now in process to determine what these impedances are.

5. Tolerance on the 150 cps multivibrator frequency is $\pm 5\%$ by present design limits. These will be retained unless the customer advises negatively.

6. Power measurement techniques were gone into. [] said ladder-type resistive loads made up of carbon resistors, and a series RF ammeter, were his usual loads. Correlation between his organization and [] is to be continued on this matter.

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7. The specification was based on a band-switched transmitter, so far as test frequencies are concerned. It was recommended that octave frequencies be used to test instead, namely 3, 6, 12, 18, 24, and 30 mc.

8. The currently used method of saturation coding of magnetic tape to eliminate random noise triggering was explained.

9. The Amphenol checkerboard connector as used on the AN/TRC-6 was discussed as a possible desirable connector for the AS-3 System. [] was to investigate this connector.

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Prepared by:

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Approved by

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