

Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files - Contract 605, Task Order 6

DATE: 10 February 1960

FROM :

DOC	19	REV DATE	29 APR 1960	BY	018313
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ORIG CLASS	S	PAGES	1	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 78-2

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SUBJECT: Telecon Report -

30-1,000 mc Antenna Development

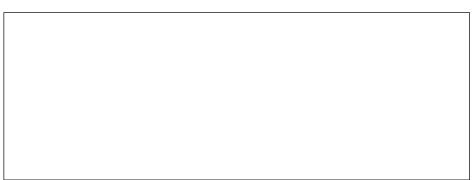
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1. On 9 February 1960, a call was placed to of to discuss progress to date on the 30 to 1,000 mc antenna development (AN-40).

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2. According to one antenna has been completed and tested electrically. During testing it was found that the metal mast supporting the antenna interfered with proper antenna operation when in vertical polarization. The effect of the metal mast was negligible when the antenna was operated in horizontal polarization. To remedy this fault, a special eight foot mast has been constructed which eliminates pattern breakup. The new mast consists of alternate sections of metal tubing and plastic tubing, so arranged as to effectively break-up interfering currents in the mast. The new mast is constructed so that the socket at the bottom is an exact duplicate of the socket on the antenna, allowing the use of a conventional mast connected either to the antenna directly when using horizontal polarization or to the special mast when using vertical polarization.

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estimated cost of AN/40 in production,

\$ 3087.20

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