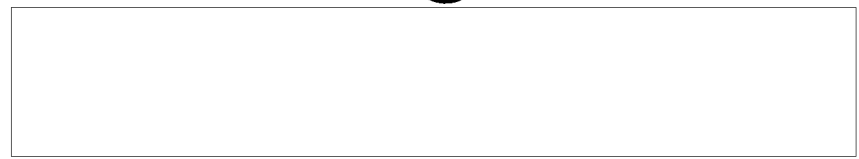


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(IN TRIPLICATE)

11 December 1959

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DDG <u>31</u>	REV DATE <u>29 APR 1960</u>	BY <u>018373</u>
ORIG COMP <u>35</u>	OPI <u>50</u>	TYPE <u>OB</u>
ORIG CLASS <u>S</u>	PAGES <u>2</u>	REV CLASS <u>C</u>
JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: HR 10-2

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Attention: 

Subject: Progress Reports,
Submission of

Enclosure: (A) Progress Reports for
the month of November,
in quadruplicate

Gentlemen:

Pursuant to the terms and provisions of the applicable task orders, the contractor submits Enclosure (A), described above, detailing the progress achieved during the month of November 1959.

In the event further information is desired concerning the enclosed reports, do not hesitate to contact the writer.


Very truly yours,



25X1

Contract Administrator

NKG:js

CC: 

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w/enclosure

~~SECRET~~

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C. SECTIONS 793 AND 794. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

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PROGRESS REPORT
FOR
MONTH OF NOVEMBER 1959

30 TO 1000 MC ANTENNA

Purpose: To design, develop, and fabricate five antennas for a frequency range of 30-1000 mc. The antennas will be for outdoor use and be capable of being disassembled into 6 foot lengths or less.

Personnel: Electrical Engineer:
Mechanical Engineer:

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Status: Mechanical design of this antenna is approximately 80% complete. Evaluation of an engineering model of the 250 to 1000 mc tip section has been completed with satisfactory results. Slight modifications in the feed tip area were necessary to assure satisfactory impedance properties near the upper frequency limit. It has been decided that information from the higher frequency section will be sufficient to determine the performance of the lower frequency sections since mechanical details will be essentially the same. Fabrication of molds for the plastic parts and other items that may require unusually long delivery times has begun.

Future Plans: The mechanical design will be completed and all parts placed on order. Assembly of the antennas should begin near the close of the coming period.

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