

25X1A6a

MONTHLY REPORT

1 March - 31 March 1959

SYSTEMS ENGINEERING BRANCH
ENGINEERING STAFF

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1. Program reviews have been received from [REDACTED] and [REDACTED] and applicable information has been incorporated into equipment budget planning, for FY 60-61, which is currently being prepared for all areas.

2. The old GPT-750 from [REDACTED] is being modified to enable the master oscillator oven heaters to be energized without activating other circuits in the transmitter, and to eliminate mechanical vibrations of the power amplifier blower which were modulating the master oscillator frequency. These modifications can also be used for the other four GPT-750's which were purchased two years ago for evaluation.

3. Twenty-six dummy load coaxial resistors, 50-ohm, 500-watt, were requisitioned as part of a program to provide a reliable and simplified tuning procedure for the HT-4/TAC-1 transmitter-antenna coupler equipment. A tuning procedure utilizing a directional watt meter [REDACTED] and the dummy load is being issued as a technical bulletin.

4. The drafting unit prepared 182 drawings during the month.

5. POWER:

- a. Defective voltage regulation on a 60 kv General Motors diesel generator installed at [REDACTED] was corrected after a factory representative made circuit and regulator changes. An attached memorandum to the file covers the action in detail.
- b. A memorandum to the Materiel Support Branch was prepared outlining the quantity of oil filters required for all existing diesel generators allocated to the stockpile. A criteria for frequency of filter changes was established.

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6. NEW PROJECTS

E-5174 - General Engineering Support to All Communications Areas

7. INACTIVE PROJECTS

E-5094 - Radio Frequency Amplifiers (1,000 watts)

E-5112 - [REDACTED] Base Station

E-5125 - Transmitter/Antenna Switching Systems

8. COMPLETED PROJECTS

E-5143 - [REDACTED] Security Communications Networks

9. Number of Projects Reported on this Month - Thirty-four

10. ADMINISTRATIVE

TDY

[REDACTED] New York City - IRE Convention
24-26 March 1959

[REDACTED] - New York City, IRE Convention
23-25 March 1959

[REDACTED] New York City, IRE Convention
25-26 March 1959

[REDACTED] New York City, [REDACTED]
17-18 March 1959

[REDACTED] Chicago, Ill., [REDACTED]
3-4 March 1959

[REDACTED] - Cedar Rapids, Iowa, [REDACTED]
5-7 March 1959

[REDACTED] Cedar Rapids, Iowa, [REDACTED]
5-7 March 1959

[REDACTED] Tulsa, Oklahoma, [REDACTED]
18-19 March 1959

[REDACTED] New York City, IRE Convention
24-25 March 1959

[REDACTED] New York City, IRE Convention
25-26 March 1959

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PROCESSING

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27 March 1959

10. TRAINING

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Writing Workshop
2 - 26 March 1959

SUBMITTED BY:

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Chief, Systems Engineering Branch, OC-E

ATTACHMENTS:

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Memorandum to the File, SUBJECT: Repair of C.M.C. Generator at
Microwave Site,
Memorandum to the File, SUBJECT:
Company, Cedar Rapids, Iowa
Memorandum to the File, SUBJECT:
Memorandum for the File, SUBJECT:
Memorandum to the File, SUBJECT:
Projects and Activities of the March Monthly Report

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