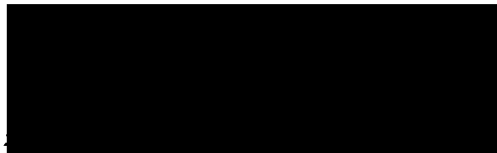


RESEARCH & DEVELOPMENT BRANCH
MONTHLY REPORT - NOVEMBER 1964

INTRODUCTION

Attached is the Research and Development Branch Monthly Report
for November 1964.



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RESEARCH AND DEVELOPMENT

EXTERNAL PROJECTS SECTION

November 1964

I. PROJECTS

1. CK-100 CODER/KEYER

The CK-100 coder/keyer is a special configuration of CK-8 coder/keyer components for use with the RS-100. As originally envisioned, the RS-100 contained a KE/A-8 wired into the set and storage space for a CO-8 coder and CA-3 cartridge. A cover over these three components rendered the RS-100 waterproof; however, when either coding or keying, the set was no longer waterproof. In April 1964, a contract for \$37,659.00 was initiated with [REDACTED] to reconfigure the CK-8 components and mount them on one panel whose size and shape would permit mounting in the RS-100. All controls are available from the panel and are waterproof. This eliminates the need for a cover on the CK-8 section of the RS-100 and provides complete access to all controls.

The engineering model of the CK-100 was delivered this month. It was mounted in the CK-8 storage section of the RS-100 and subjected to a four foot drop test and an immersion test. The deficiencies noted were of a minor nature and, for the most part, mechanical and electrical operations were satisfactory after the tests. It is now planned to procure thirty service test models of the CK-100 for use with the twenty RS-100's that are ordered - ten for December delivery and ten for April delivery.

2. PM-18 TRI-PHASE MODULATOR

[REDACTED]

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RESEARCH AND DEVELOPMENT LABORATORY

November 1964

I. GENERAL

- 25X1A5a1 1. [REDACTED] 25X1A5a1
25X1A9a [REDACTED] and Mr. [REDACTED] 25X1A9a
[REDACTED] of DD/S&T, visited the R&D Laboratory on 19 November. These gentlemen were given a complete tour of the facilities and comprehensive discussions of the Laboratory's design and fabrication facilities. They were also provided the opportunity to see the RS-508 (which [REDACTED] developed) in operation during its A&A. 25X1A5a1
25X1A9a 2. Mr. [REDACTED] departed TDY for [REDACTED] on 2 25X1A9a
November. Upon completion of his official duties, Mr. [REDACTED] met his wife in Frankfurt where he will spend approximately two weeks on annual leave. He is due back o/a 8 December.
3. Effective with the pay period commencing 22 November, contract assemblers wages at the Laboratory were raised from \$1.76 to \$1.81 per hour. This increase is in keeping with our policy of increasing our contract wages when a general government pay raise occurs. 25X1A6a
4. The value of equipment fabricated at the R&D Laboratory and delivered to the warehouse for stock this month was \$42,400.

II. DESIGN

- 25X1C1a1 1. Two antenna design projects culminated during this reporting period with notably successful results.

2. [REDACTED]

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V. ADMINISTRATIVE

TDY

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[REDACTED]

2 - 30 November

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TRANSFERS

N. A.

PCS

N. A.

EOD

N. A.

RESIGNATIONS

N. A.

EFFECTIVE PROMOTIONS

N. A.

TRAINING

N. A.

OTHER

Visitors to the Laboratory during November:

25X1A5a1

Dr. [REDACTED]
Mr. [REDACTED]
Mr. [REDACTED]

19 November
19 November
19 November
19 November

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Mr. [REDACTED] DD/S&T

Overtime worked during November: None.

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