

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6~~SECRET~~

UNITED STATES GOVERNMENT

Memorandum

TO : Scientific Officer

DATE: 20 Jan 1966

FROM : Lee Hammarstrom

SUBJECT: Quarterly Report No. 2

Ref: (a) Contract Nonr-5041(00)(X), Section E between HRB-Singer and ONR contracting authority NRL Reqn. 00173-S-006319/7-8-65

55%(A,B,C) 1. During the second quarter of the contract (reference (a)), HRB's work consisted of the following areas and efforts.

a. Field work - The installation, testing and evaluation of the new receivers, and antennas was done in conjunction with NRL engineers in

b. Antennas - The new antenna design was installed for testing and evaluation. Patterns were run and operational tests were made on the antennas. The performance of the antenna was far better than the existing antenna, but several modifications were decided upon and will be evaluated during the next quarter in

c. Receivers - The HRB receivers were installed and operationally tested in during the past quarter. The initial evaluation was highly encouraging with an improvement in at least one area of almost ten-fold. A detailed review of the performance is now being undertaken and the final results should be obtained during the next quarter.

15% d. Format criteria - An evaluation of the system format was undertaken on a joint basis with personnel at the plant and is intended to provide supplemental information for future work.

5% e. Tape recorders - A few minor modifications were tried in the field which resulted in improvements in the performance. The maintenance required is still quite high recorders.

20% f. Logistics supply - The work which was discussed in the previous report has been continuing.

5% g. Technical reports - During the past period a weekly technical reporting procedure was put into effect. This consists of a brief check sheet which the on site technical maintenance personnel fill out giving the significant system characteristics such as sensitivity, stability, recorder condition, and unusual noise. The basic ideal is to instill a preventive maintenance procedure based on a history of general equipment trends to correct gradual system degradation.



5010-108

~~SECRET~~

Lee Hammarstrom
Lee Hammarstrom

HRB-Singer Research Engineer

HANDLE VIA

CONTROL SYSTEM ONLY

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan