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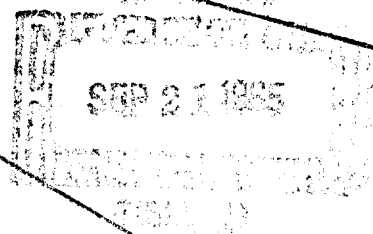
SEMI-ANNUAL PROGRESS REPORT

1 January 1965 to 30 June 1965

DSL R-128

Department of Navy  
Office of Naval Research  
Contract NONr 4858(00)

15 July 1965



DEFENSE  
SYSTEMS  
LABORATORY

Best Available Copy

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Office of Naval Research  
Contract NOnr 4858(00)  
Contract Authority No. NR 259-056/3-2-65

DEFENSE SYSTEMS LABORATORY  
SYRACUSE UNIVERSITY RESEARCH CORPORATION

Gordon H. LaTourette et al

15 July 1965

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I

PURPOSE

The Contractor shall furnish the necessary personnel and facilities for, and, in accordance with any instructions issued by the Scientific Officer or his authorized representative, shall conduct research leading to the design and development of two (2) airborne intercept systems to provide for rapid airborne intercept of communication signals.

## II

### ABSTRACT

On 1 May 1965, work commenced on the design and fabrication of two airborne receiving systems with technical capabilities as outlined on Poster DSL 1189, classified SECRET. To date, approximately seventy-two per cent of the commercial equipment to be used in these systems has been ordered and approximately fifty per cent of the equipment has been received.



III

CONFERENCES

Date: May 19, 1965  
Place: Skydyne, Inc., Port Jervis, New York  
Subject: Contract NOnr 4858(00)  
Attendees: Mr. G. Parsons, Skydyne  
Mr. M. Smith, Skydyne  
Mr. E. Burgess, DSL  
Conclusions: Investigation of transit cases.

Date: June 7, 1965  
Place: Zero Manufacturing Co., Monson, Massachusetts  
Subject: Contract NOnr 4858(00)  
Attendees: Mr. M. Kantor, Zero  
Mr. F. Koepenick, Zero  
Mr. W. Peterson, Zero  
Mr. R. Russell, DSL  
Mr. E. Burgess, DSL  
Conclusions: Investigation of transit cases, tool boxes and shelter.

#### IV

#### AIRBORNE RECEIVING SYSTEMS

On 1 May 1965, work commenced on the design and fabrication of two airborne receiving systems with technical capabilities as outlined on Poster DSL 1189, classified SECRET. The following table shows the present status of each piece of equipment to be used in the two systems.

Qty.	Item	Ordered	Received	Modified	Designed	Fabricated	Installed
8	Containers	x					
2	Primary Power Source						
2	Set, Power Distribution Cables						
2	HF Antenna						
2	VHF Antenna						
2	UHF Antenna						
2	Collins 51S-1F Receiver	x	x				
2	CEI RS-111-1B Receiver	x(GFM)					
2	CEI SM-8511 Signal Monitor	x					
2	Panoramic SB-15a Spectrum Analyzer	x					
2	HP 140A Oscilloscope	x	x				
2	HP 1402A Preamp	x	x				
2	HP 1420A Time Base	x	x				
2	Rycom 2174A-610A Selective Voltmeter	x					
2	TD-570 Demultiplexer	x(GFM)					
2	Anipex PR-10-2 Audio Recorder	x	x				
2	Turner SR90D-6 Microphone	x	x				

QTY	Item	Ordered	Received	Modified	Designed	Fabricated	Installed
	Ampex 01-96440-04 Mike Preamp	x	x				
2	A FSA V 39C Rekeyer	x(GFM)					
2	AN/TGC-14A(V) TTY Printer	x	x				
6	Cooling Fans						
2	Permosflux DHS-17 Headset	x	x				

PERSONNEL

J. D. Rodems, Director

B. E. Simmons, Associate Director

G. E. Mader, Assistant Director

Gordon H. LaTourette, Engineer

Richard G. Russell, Engineer

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Security Classification

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13. ABSTRACT On 1 May 1965, work commenced on the design and fabrication of two airborne receiving systems with technical capabilities as outlined on Poster DSL 1189, classified SECRET. To date, approximately seventy-two per cent of the commercial equipment to be used in these systems has been ordered and approximately fifty per cent of the equipment has been received.		

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## Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
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Radio Receivers						
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