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~~Security Information~~
 HEADQUARTERS
 AIR DEFENSE COMMAND
 ENT AIR FORCE BASE
 COLORADO SPRINGS, COLORADO

8 SEP 1953

Dr. Howard P. Robertson
 Scientific Advisory Board
 National Security Agency
 3801 Nebraska Ave., N.W.
 Washington, D. C.

Dear Dr. Robertson:

The early warning requirements of all active AA battalions of the Antiaircraft Command and those National Guard units which will be utilized to augment its defenses are inclosed herewith.

This fulfills the request made during your recent visit to this headquarters. I hope it will be of assistance to you.

Sincerely,



W. M. BURGESS
 Brigadier General, USAF
 DCS/Intelligence.

1 Incl
 List Early Warning
 Requirement

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EARLY WARNING REQUIREMENT FOR
 REGULAR ARMY UNITS ON-SITE

<u>All Battalions in:</u>	<u>Minimum Early Warning</u>	<u>Desirable Early Warning*</u>
Seattle	20 minutes	45 minutes
Hanford	20 minutes	45 minutes
Los Angeles	20 minutes	45 minutes
San Francisco	20 minutes	45 minutes
Travis	At interim station	At interim station
Castle	At interim station	At interim station
Fairchild	At interim station	At interim station
March**	20 minutes	45 minutes
Baltimore	20 minutes	40 minutes
Boston	20 minutes	40 minutes
Chicago	20 minutes	40 minutes
Detroit	20 minutes	40 minutes
New York	20 minutes	40 minutes
Niagara Falls	20 minutes	40 minutes
Norfolk	20 minutes	40 minutes
Philadelphia	20 minutes	40 minutes
Pittsburgh	20 minutes	40 minutes
Sault Ste Marie	20 minutes	40 minutes
Washington	20 minutes	40 minutes

* Time allotted to fire settling rounds, conduct trial fire, recall additional personnel and take other necessary action to insure sustained maximum effectiveness.

** On base sites only.

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~~SECRET~~EARLY WARNING REQUIREMENT FOR
ACTIVE UNITS AT RANGE

<u>Defense</u>	<u>Range</u>	<u>Time Required</u>	
Seattle 90mm	Yakima	12 hours	
Seattle 120mm	Yakima	48 hours	
Hanford	Yakima	8 hours	
Fairchild	Yakima	12 hours	
San Francisco	Cp Irwin	48 hours	
Travis	Cp Irwin	48 hours	
Castle	Cp Irwin	21 hours	
Los Angeles	Cp Irwin	12 hours 24 hours	augmented organic
March	Cp Irwin	9 hours 18 hours	augmented organic
Baltimore	Bethany Beach, Del	20 hours	
Boston	Cp Wellfleet, Cape Cod, Mass	8 hours	
Chicago-Gary	Cp Haver, Wis	10 hours	
Detroit	Cp Claybanks, Mich	18 hours	
New York	Cn Hero, Montauk Pnt, L. I.	10 hours	
Niagara Falls	Cp Wellfleet, Mass	72 hours	
Norfolk	Dam Neck, Va	6 hours	
Philadelphia	Bethany Beach, Del	20 hours	
Pittsburgh	Cp Perry, Ohio	16 hours	
Sault Ste Marie	Point Mamainse, Ont	6 hours	
Washington	Bethany Beach, Del	20 hours	

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~~SECRET~~EARLY WARNING REQUIREMENT FOR SPECIFIC REGULAR
ARMY UNITS LOCATED AT INTERIM STATIONS

<u>Defense</u>	<u>Unit</u>	<u>Time Required</u>
Travis	459 Bn	7 hours augmented 24 hours organic
Castle	52 AAA Bn	15 hours
Fairchild	10 AAA Bn	5 hours augmented 12 hours organic
Detroit	516 Bn (90)	12 hours
Niagara Falls	B & C Btrys 44 Bn (90)	12 hours
Sault Ste Marie	Minus A & B Btrys 8 Bn (AW)	8 hours

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NG UNITS PLANNED FOR AUGMENTATION
OF DEFENSES

It is planned that the following listed NG units will be utilized to augment the defenses of this command. It is not possible, at this time, to accurately forecast the early warning requirements of these units, some of which have not yet been activated. For one or two of the units, 12 hours early warning will probably suffice, for certain others 90 hours will be required, and for those still appreciably below minimum levels in personnel and equipment, or not yet activated, no accurate estimate can be furnished.

Defense and Units

Hanford:

420 AAA Gn Bn
AAA Gn Bn
115 AAA Opn Det
419 Sig Det (RMU)
Sig Det (RMU)

Seattle:

205 AAA Gp
240 AAA Gn Bn
770 AAA Gn Bn
110 AAA Opn Det
404 Sig Det (RMU)
Sig Det (RMU)

Fairchild:

236 AAA Gp
530 AAA AW Bn
286 AAA Gn Bn
AAA Opn Det
Sig Det (RMU)
Sig Det (RMU)

San Francisco:

233 AAA Gp
271 AAA Gn Bn
718 AAA Gn Bn
132 Sig Det (RMU)
134 Sig Det (RMU)
397 Sig Det (RMU)

Travis:

250 AAA Gp
722 AAA AW Bn
719 AAA Gn Bn
184 AAA Opn Det
133 Sig Det (RMU)
Sig Det (RMU)

Defense and Units

Castle:

237 AAA Gp
732 AAA AW Bn
951 AAA Gn Bn
AAA Opn Det
402 Sig Det (RMU)
Sig Det (RMU)

Los Angeles:

234 AAA Gp
682 AAA Gn Bn
720 AAA Gn Bn
746 AAA Gn Bn
140 Sig Det (RMU)
141 Sig Det (RMU)
Sig Det (RMU)

March:

251 AAA Gp
421 AAA AW Bn
730 AAA Gn Bn
186 AAA Opn Det
425 Sig Det (RMU)
142 Sig Det (RMU)

Baltimore:

125 Bn
308 Bn

Boston:

704 Bn
772 Bn
747 Bn

Chicago-Gary:

768 Bn
698 Bn
213 Bn
688 Bn
337 Bn

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Detroit:

210 Bn
744 Bn
156 Bn

Hartford:

745 Bn
238 Bn
211 Bn

New York City:

259 Bn
870 Bn
245 Bn
773 Bn

Limestone AFB:

314 Bn (AW)
703 Bn

Niagara Falls:

633 Bn
336 Bn

Buffalo:

102 Bn
106 Bn
369 Bn
715 Bn

Norfolk:

418 Bn
710 Bn

Cleveland:

177 Bn
179 Bn
180 Bn
182 Bn

Philadelphia:

416 Bn
707 Bn
709 Bn

Pittsburgh:

689 Bn
724 Bn
708 Bn

Sault Ste Marie:

950 Bn (AW)
300 Bn

Washington:

340 Bn
260 Bn
380 Bn

Indianapolis:

243 Bn
705 Bn
283 Bn
685 Bn

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