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STIC, NAVAL OBSERVATORY
Washington, D. C.
11, April 1961

MEMO FOR MR MAYO:

Info received from Op-944, who checked with the Air Force, reveals the locations for radars , as follows:

AN/FPS-30 (DEW Line) EW Radars under the Air Defense Command control:

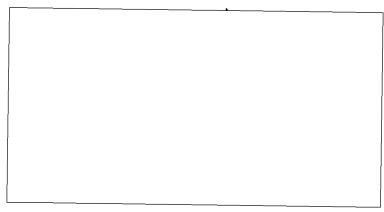
SITE	LOCATION	COORDINATES	<u>FPS-30</u>
DYE-1	QAQATOQAQ, Greenland	66-38-00 N 52-51-48 W	580-630Mc 385 PPS
DYE-2	ICE CAP # 1, Greenland	66-29-01 N 46-17-22 W	2 RPM
DYE-3	ICE CAP # 2, Greenland	65-10-54 N 43-50-05 W	
DYE-4	KULUSUK Island, Greenland	65-31-32 N 37-10-31 W	

AN/SPS³⁶ (XN-1) location...one set: Raytheon Plant, Waltham, Mass., USA

AN/FPS-25.....development was stopped.

AN/FPS-38.....claimed never heard of it.

AN/FPS-28...one, and located at HOUMA, La., USA. Under control of Air Force Systems Command.



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Signal TO SE N	PEFF	GT	P _T kW	D _{min} h _{alt.} K-miles	D _{20db} down K-miles	Arc dia.	ANTenna H W
SECRET	6.31×10^9	1.55×10^4	407	369	350 mi	5600 mi	8' x 26' V15

[Redacted]

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Gage

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
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		42					
	3.98×10^8	1.94×10^4	200	2.6	300		SECRET 29' x 9' (300)

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
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[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

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(88-21018 318)

Mr. Reid D. MAYO (NRL)

27 April 1961

(STIC-1E)

Information on radars; forwarding of (U)

Ref: (a) Frequency Allocation List, U. S. Military Electronic
Equipment dated 1 March 19601. Information received from CNO (Op-944) on 18 and 25 April on the
following radars:

- a. 800-950 mcs Ship Air Search Radar (Ref (a), page 40, column #1, item #50481) - 500 KW power is still an "idea" and in the tube development stage.
- b. 890-960 mcs FPS-25 (XW-1&2) Land Height Finder (Ref (a), page 41, column #1, item #5074J) - One (1) set at Sperry Manufacturing Co., Long Island, New York, and One (1) set at Rome Air Development Center, Griffis Air Force Base, Rome, New York.

2. Information received from (Missile Section), DA/ACSI, on
21 and 25 April 1961:

a. Reference (a), page 39, column #1, item #4898J - The NIKE-ZEUS acquisition radar is not 495-605 mcs. The correct frequency is 870-960 mcs. One (1) set at White Sands Proving Grounds, New Mexico, One (1) set at Bell Telephone Laboratory, Whippany, New Jersey, and One (1) set "due" to be installed on Kwajalein Island this summer. The exact date in operation is not yet established.

b. Parameters obtained from are:

- a. 870-960 mcs, 10 megawatts power, 400.0 usec, 150 prf, FM-chirp, linear 250 kc frequency shift during pulse, 6 rpm.

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