

TOP SECRET

25X1

25X1

25 March 1965

Page 4

TALL KING EARLY WARNING RADARS

USSR

1. TALL KING IS A SOVIET EARLY WARNING RADAR BELIEVED TO HAVE BEEN DESIGNED FOR DETECTING AND TRACKING AERODYNAMIC VEHICLES. IT HAS AN ESTIMATED RANGE OF 250 NM AGAINST A MEDIUM BOMBER-SIZE TARGET AT 50,000 FT AND A 400 NM RANGE AGAINST A ONE SQUARE-METER TARGET AT ALTITUDES OVER 120,000 FT. IT HAS A POSSIBLE INCREASED CAPABILITY TO DETECT AND TRACK SATELLITES.
2. MENSURATION BASED ON GROUND PHOTOGRAPHY OF THE TALL KING RADAR REVEALED AN OVER-ALL HEIGHT OF ABOUT 80 FT WITH AN ANTENNA REFLECTOR [REDACTED]
3. THE EARLIEST REPORT OF THE EXISTENCE OF TALL KING WAS IN 1959. SUBSEQUENTLY SIGINT HAS REVEALED A STEADILY EXPANDING NETWORK OF TALL KINGS DEPLOYED ABOUT THE PERIPHERY AND INTERIOR OF THE USSR. SIGINT CURRENTLY REPORTS APPROXIMATELY 250 TALL KING LOCATIONS.
4. THE FIRST CONFIRMED TALL KING RADAR WAS IDENTIFIED [REDACTED] [REDACTED] A SITE SIGNATURE COULD BE CONFIRMED. THE SIGNATURE CONSISTED OF A SUPPORT BUILDING WITH ANTENNA SHADOW, CONTROL BUILDING, GENERATOR, AND, IN MOST CASES, HORIZONTAL FUEL TANKS.

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25X1

TOP SECRET

TOP SECRET

25 MARCH 1965

PAGE 5

5. THIS MISSION REVEALS 16 NEWLY IDENTIFIED TALL KING SITES, ALL PREVIOUSLY REPORTED BY SIGINT. THESE, ADDED TO THE 43 PREVIOUSLY IDENTIFIED TALL KING SITES, BRING THE PRESENT KH TALL KING ORDER OF BATTLE TO 59 SITES (8 OF WHICH HAVE TWO TALL KING RADARS). NINE OF THE 59 IDENTIFICATIONS WERE NOT SIGINT REPORTED.

6. THOSE IDENTIFIED ON THIS MISSION:

BROKHOVO	5938N 15418E
KOVDOR	6734N 03026E
KOZYREVSKOYE (POSSIBLE)	5041N 15615E
OSTROV KOLGUYEV	6928N 04920E
MYS KEKURSKIY	6955N 03157E
NIZHNE-YANSK	7127N 13610E
MAYNO-PYLGINO	6231N 17655E
MYS KHARASAVEY	7107N 06646E
MYS KOSISTYY (PROBABLE)	7339N 10944E
VOLOCHANKA	7058N 09434E
YAKUTSK	6207N 12941E
NIZHNIYE KRESTY	6845N 16121E
IGARKA (PROBABLE)	6726N 08636E
AMDERMA	6945N 06144E
INYA (PROBABLE)	5923N 14451E
MINSK/MACHULISHCHE (PROBABLE)	5348N 02734E

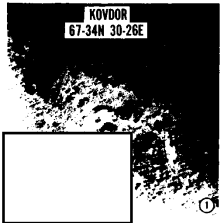
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TOP SECRET

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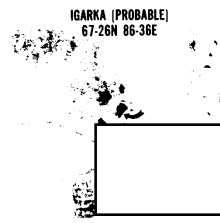
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KOVDOR
67-34N 30-26E



MINSK/MACHULISHCHE (PROBABLE)
53-48N 27-34E



IGARKA (PROBABLE)
67-26N 86-36E



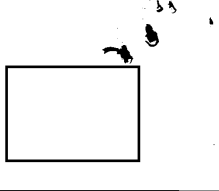
VOLOCHANKA
70-58N 94-34E



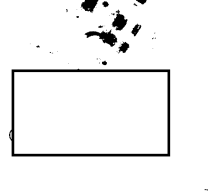
OSTROV KOLGUYEV
69-28N 49-20E



MYS KEKURSKIY
69-55N 31-57E



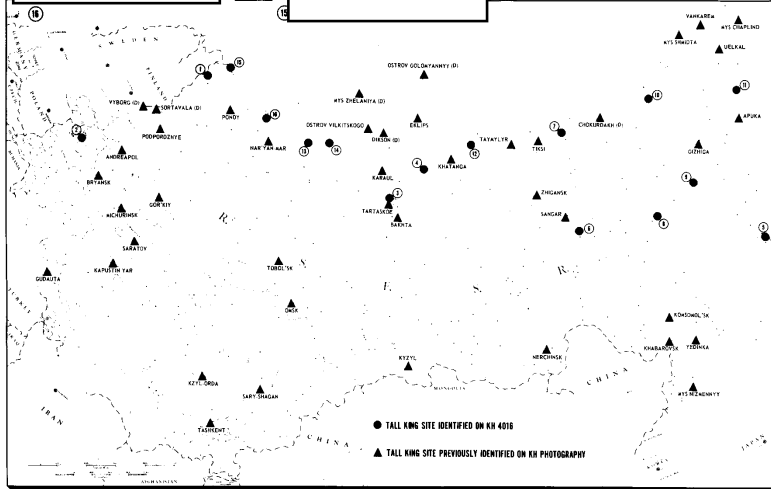
MYS KHARASAVEY
71-07N 66-46E



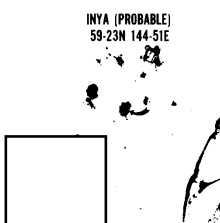
AMDERMA
69-45N 61-44E



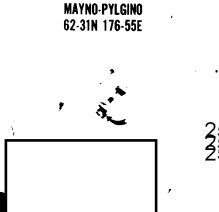
MYS KOSISTYY (PROBABLE)
73-39N 109-44E



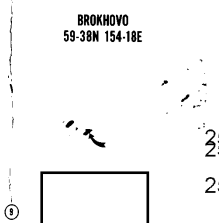
NIZHNIYE KRESTY
68-45N 161-21E



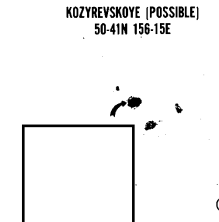
INYA (PROBABLE)
59-23N 144-51E



MAYNO-PYLGINO
62-31N 176-59E



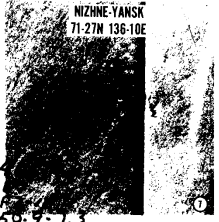
BROKHOVO
59-38N 154-18E



KOZYREVSKOYE (POSSIBLE)
50-41N 156-15E



YAKUTSK
62-07N 129-41E



NIZHNE-YANSK
71-27N 136-10E

