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4 Pages



June 1965

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PHOTOGRAPHIC INTERPRETATION REPORT

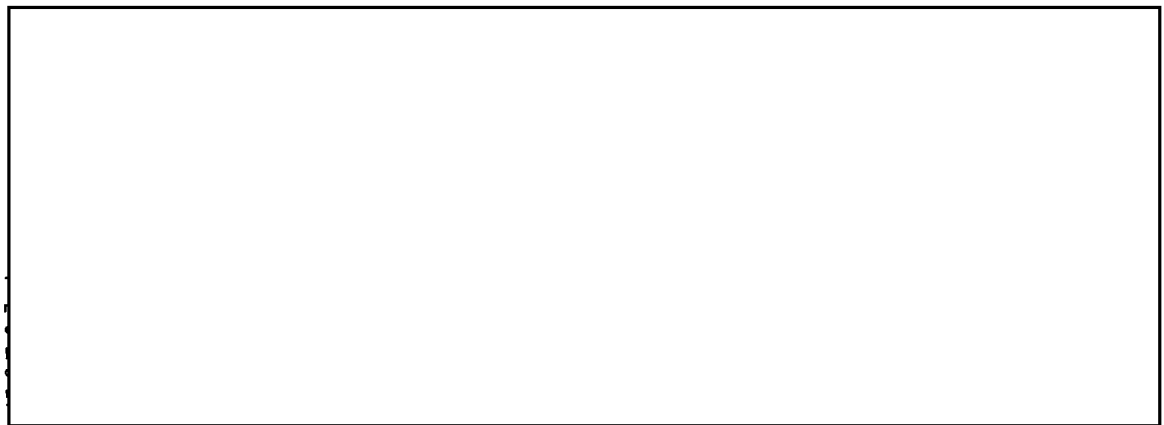
HF COMMUNICATIONS FACILITY KUROVSKOYE, USSR



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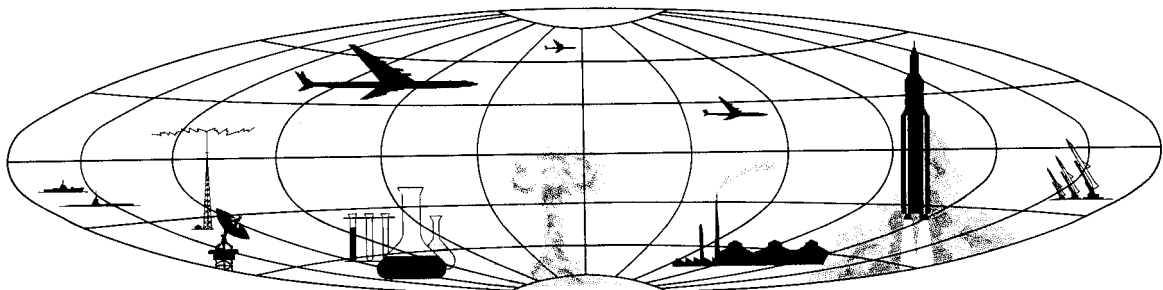


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HF COMMUNICATIONS FACILITY, KUROVSKOYE, USSR

A large high-frequency (HF) communications facility is situated about 8 nautical miles east of Kurovskoye at 55-35N 39-11E (Figure 1), and consists of 45 rhombic antennas, 2 control buildings with a third under construction, a probable power station, and a support area containing about 17 buildings (Figures 2 and 3). The entire facility is probably fence enclosed but the exact lines are indistinct. The northwest portion of the facility appears to be undergoing expansion, with 14 antennas and the third control building under construction.

antennas, as given in Table 1, were accomplished by means of the characteristic diamond shape of the clearings and by the positions of guy-anchor bases, the small scale of the photography precluding identification of individual antenna masts. For this reason, the given azimuths and antenna dimensions are only approximate and are not considered accurate enough for extended detailed study. Also, the possible correspondents, as listed, are simply the result of extending great-circle arcs along the approximate azimuths and noting which locations they went through or near.

Identification and orientation of the rhombic

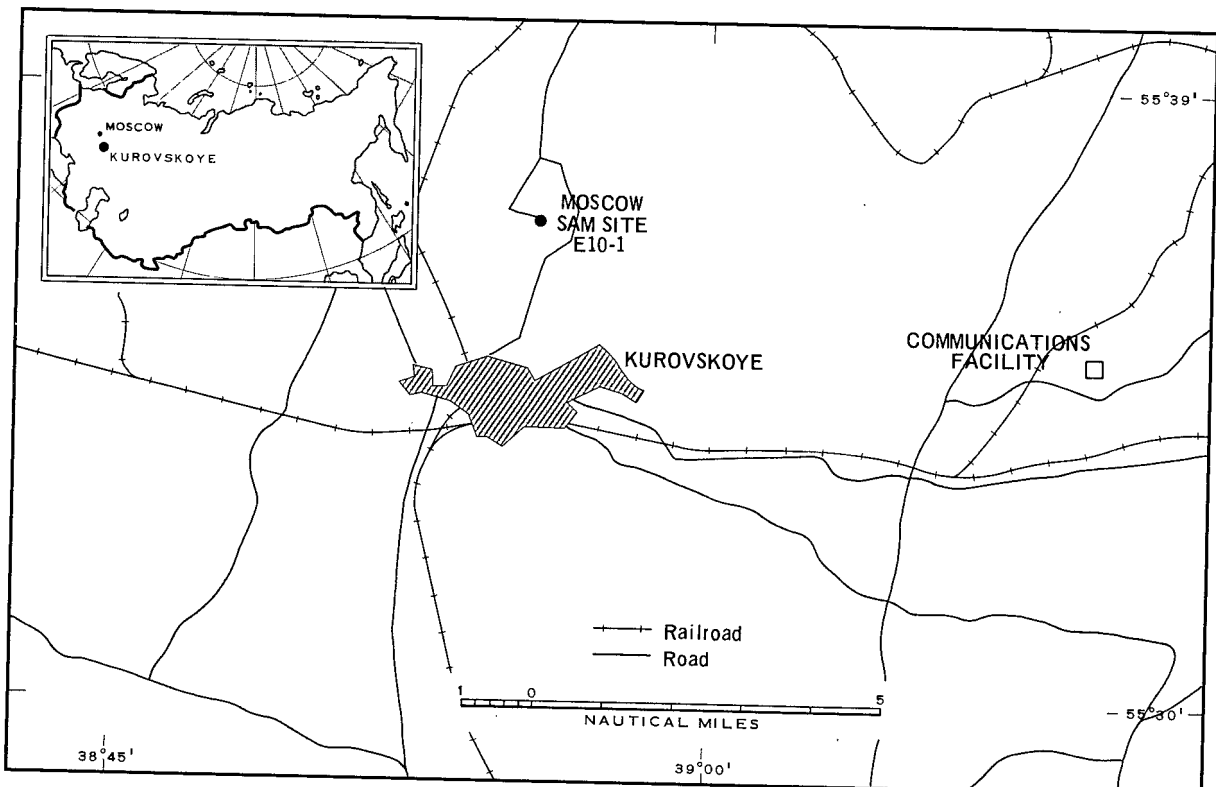


FIGURE 1. LOCATION MAP.

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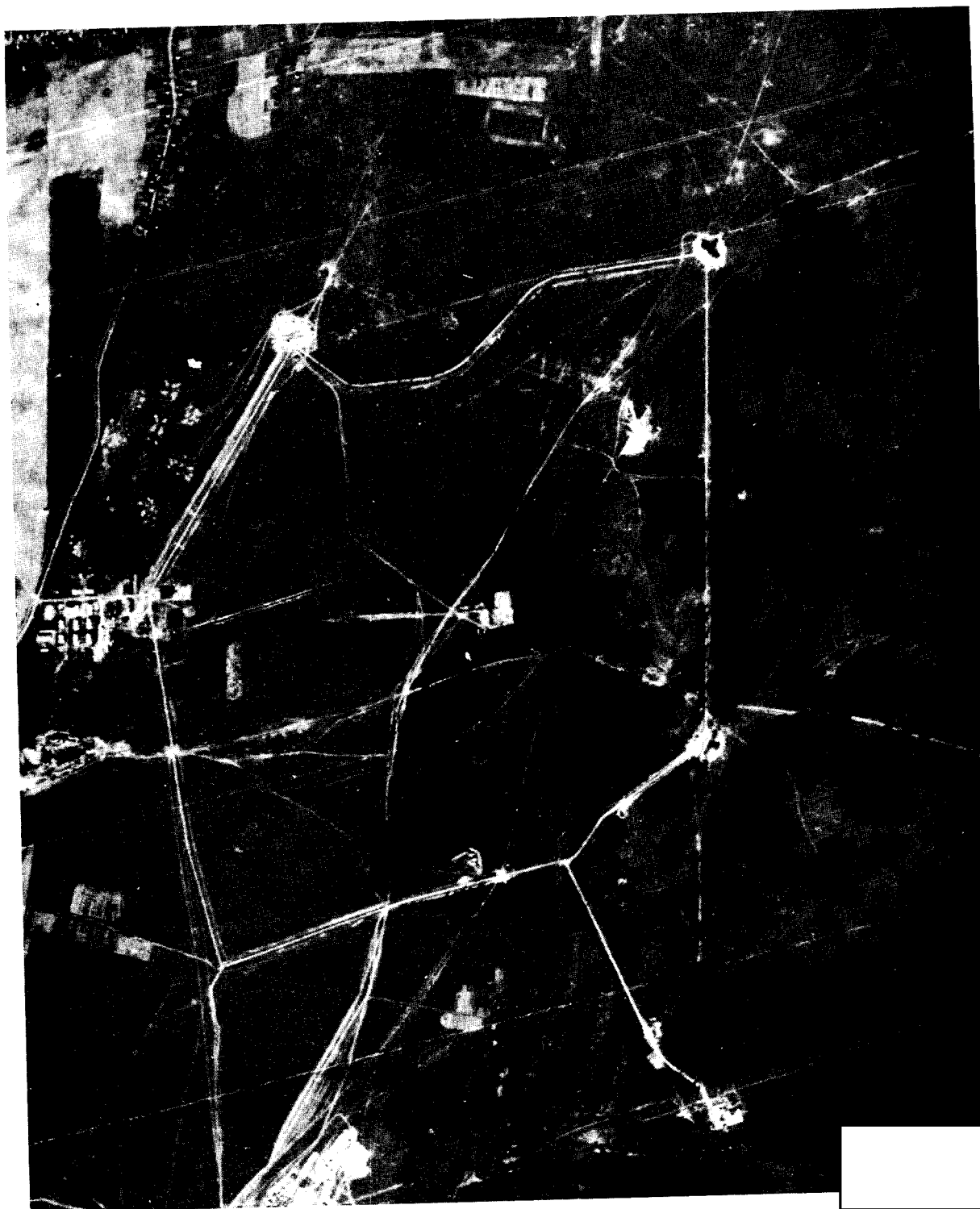
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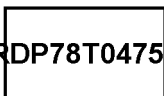
FIGURE 2. HF COMMUNICATIONS FACILITY, KUROVSKOYE.

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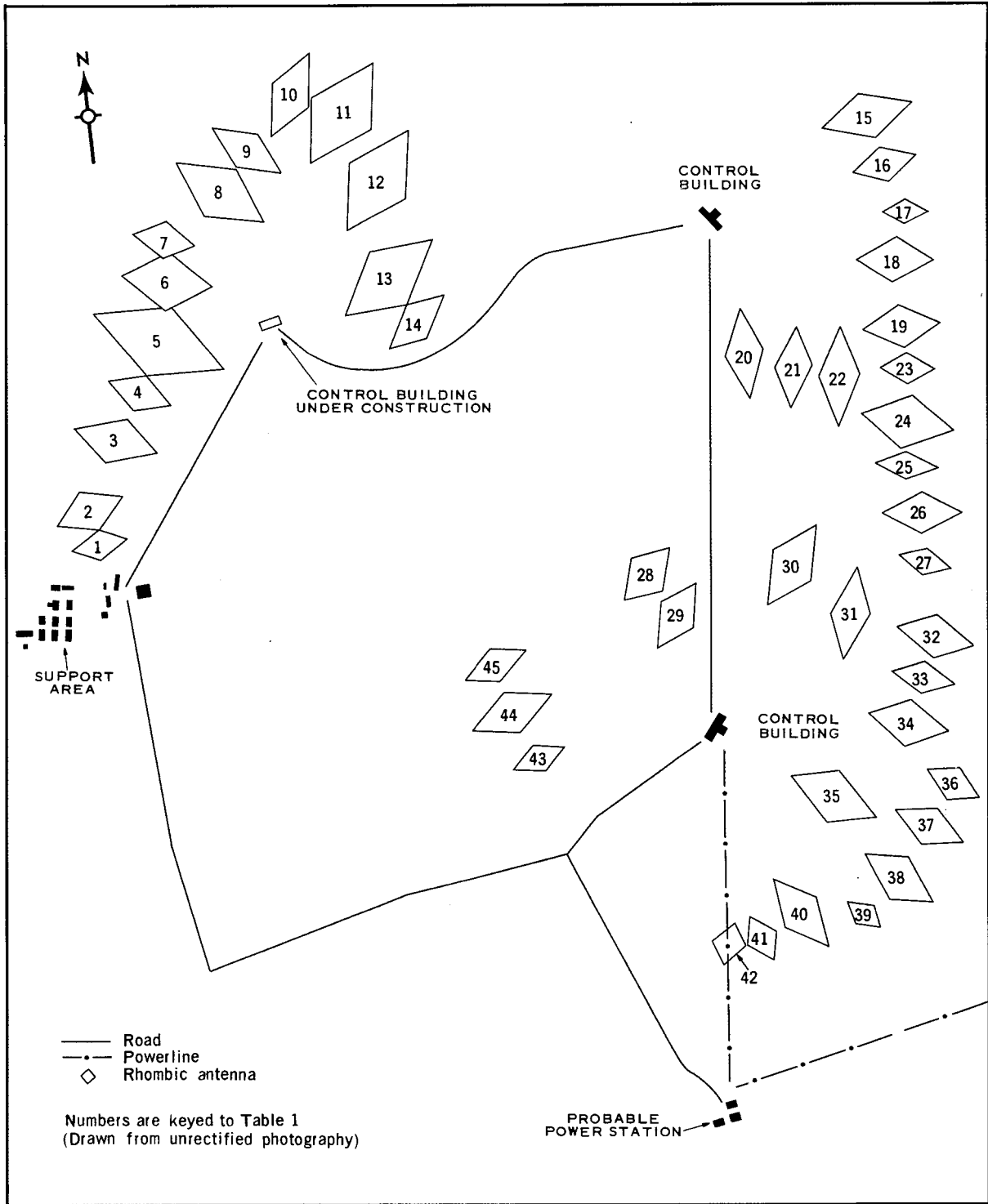


FIGURE 3. LAYOUT OF HF COMMUNICATIONS FACILITY, KUROVSKOYE.

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Table 1. Mensural Data for Rhombic Antennas (numbers keyed to Figure 3)

Antenna Number	Major Axis (ft, approx)	Minor Axis (ft, approx)	Azimuth	Possible Correspondent	Antenna Number	Major Axis (ft, approx)	Minor Axis (ft, approx)	Azimuth	Possible Correspondent
1	400	300		Undetermined	24	770	485		Orsk, Alma-Ata
2	780	430		Undetermined	25	630	360		Kuybyshev
3	770	495		Undetermined	26	720	400		Orenburg
4	570	345		Undetermined	27	600	310		Undetermined
5	795	470		Undetermined	28	805	420		Kiyev
6	850	375		Riga	29	725	430		Odessa
7	600	305		Riga	30	795	530		Undetermined
8	850	520		Leningrad	31	795	620		Undetermined
9	550	275		Leningrad	32	850	480		Tashkent
10	680	410		Norilsk	33	630	425		Tashkent
11	1,030	490		Undetermined	34	895	405		Novo-Kazalinsk
12	850	510		Undetermined	35	915	590		Undetermined
13	950	495		Undetermined	36	620	405		Tadzhik SSR
14	750	370		Undetermined	37	855	510		Tadzhik SSR
15	900	505		Karaganda	38	830	530		Undetermined
16	650	320		Ufa	39	500	330		Saratov
17	660	315		Balkhash	40	920	350		Astrakhan
18	880	460		Orsk, Alma-Ata	41	600	265		Volgograd
19	810	585		Orsk, Alma-Ata	42				Sevastopol
20	820	540		Arkhangelsk	43	660	315		Lvov
21	815	360		Undetermined	44	945	560		Undetermined
22	925	585		Mezen	45	690	330		Brest
23	590	240		Orsk, Alma-Ata					

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REFERENCES



MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0166-1HL, 2d ed, Nov 62, scale 1:200,000 (SECRET)

REQUIREMENT

NSA. P0432/R 34-65

NPIC PROJECT

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