ENIGMA 2000 NEWSLETTER

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Number Station News

There have been several interesting developments in the Number Station scene over the past couple of months.

The third Friday in the month S06 at 2000 + 2100 UTC showed up with a "full message" transmission on 16-June, unusual enough to be worthy of a comment since the majority of output from this one is of the "no message" format, which meant that there was a repeat on the following day. This schedule moved forwards by one hour in June, appearing at 2000 and 2100 UTC instead of the 1900 and 2100 UTC of May.

The Thursday E07, 2010 UTC start, has appeared with the "full message" variant on several occasions in May and June seemingly having come back to life in April of this year when this format utilising all three frequencies with 20 minute spacing was heard, the first for some considerable time.

M23 Morse:- What appeared to be a variant of M23 noted in June, but did not stay around for long:- *(Detailed log in Morse section)*

RIVET Decoder Update

Daniel Eckmann has been working on Ian Wraith's RIVET program & has released a new build of Rivet, 90.

It immensely improves F06 (FSK 200/1000) decoding, and makes XPA2 decoding more reliable.

It can be downloaded from the website or by using this link; http://www.apul64.dsl.pipex.com/enigma2000/rivet/rivet_b90.jar

The notes & Source Code are available for download or viewing here; https://github.com/priyom/Rivet

Many thanks to Daniel for his work on this.

Reports of S25 Active?

Daniel, (Danix), reports this transmission that appears to be S25. Token also reports other reports of similar transmissions both on this day & on Thursday, 24 May at 0230z on 13383kHz, via the HF Underground forum.

19891kHz 1025 - 1044z 01 Jun

1031 UTC: 3-second 1000 Hz tone
1035 UTC: 054 054 054 82248 82248 (R4m)
1039 UTC: 054 054 054 80798 80798 (R4m)
1044 UTC: 3-second 1000 Hz tone

17502kHz 1045 - 1055z 01 Jun

1045 UTC: 054 054 054 93338 93338 (R4m)
1049 UTC: 054 054 054 89208 89208 (R4m)
1053 UTC: 054 054 054 00000 00000

Finally, this log from Edd Smith;

13883kHz 0232 - 0237z 29 Jun [- 24644 – 11111 - 00000 00000] Fair Unable to read. KiwiSDR Moscow E.SMITH THU.

Morse Stations

All frequencies listed in kHz. Freqs are generally +- 1k
This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments appended to this issue.

Morse - Number Stations

M01/ 3 XIV MCW, hand (025 sched for May - Aug). Will change to M01/2 sched ID 463 for Sept - Oct.

May 2017:

4905	2000z	02 May	'025' 753 30 = = 40579...	...LG 74245 000	Strong, slow. Joined grps. Many errors noted	CB/HFD	TUE
	2000z	04 May	'025' 156 30 = = = = 76161...	...LG 15615 000	Fair, fast. Numerous errors	CB	THU
	2000z	09 May	'025' 119 30 = = 14666...	...LG 17217 000	Strong, fast. Three errors, grps09, 25 & 30	CB	TUE
	20**05**z	11 May	'025' 123 30 = = 62104...	...LG 09724 000	Strong, fast. Late start with short call-up	BR	THU
	19**59**z	16 May	'025' 919 30 = = = = 90824...	...LG 95666 000	Fair, fast. Heavy static. Numerous errors	CB	TUE
	2000z	18 May	'025' 987 30 = = 35512...	...LG 00482 000	Errors in grp16. Ends 2008z	E.SMITH	THU
	2000z	23 May	'025' 960 30 = = 59798...	...LG 69084 000	Strong, fast. Numerous errors noted	CB	TUE
	2000z	25 May	'025' 028 30 = = 66531...	...LG 44555 000	Strong, fast. Several errors noted. 29 grps sent	CB	THU
	2000z	30 May	'025' 820 30 = = 83785...	...LG 25996 000	Strong, fast. Joined grps. Possible errors	BR/CB	TUE
5280	1800z	02 May	'025' 537 30 = = 01528...	...LG 56515 000	Strong, slow. Joined grps. Many errors noted	CB/HFD	TUE
	1800z	04 May	'025' 651 30 = = 32616...	...LG 7990 000	Strong, fast. Numerous errors - Part jumbled	CB	THU
	1800z	09 May	'025' 218 30 = = 24257...	...LG 78029 000	Weak /Fair, fast. Errors in preamble & grp29	BR	TUE

	1800z	11 May	'025'	221 30 = = 2 .417...	...LG 90525	000	Weak/Good. Heavy static.		BR		THU
	1800z	16 May	'025'	191 30 = = 33855...	...LG 86219	000	Fair. Fast. Numerous errors noted		BR		TUE
	1800z	18 May	'025'	765 30 = = 12750...	...LG 36191	000	Fair, fast. DK/GC sent as one string + errors		BR		THU
	1800z	23 May	'025'	707 30 = = 05029...	...LG 09980	000	Weak/Fair, fast. Two errors noted		BR		TUE
	1800z	25 May	'025'	285 30 = = 85706...	...LG 79729	000	Weak, fast. Changed to 035 call for a while		BR		THU
	17**59**z	30 May	'025'	376 30 = = 77436...	...LG 99897	000	Strong/fast. Errors noted		BR/CB		TUE
6435	1500z	06 May	'025'	453 30 = = 98201...	...LG 62394	000	Changed from 025 to 015 in call-up		E.SMITH/HFD		SAT
	1500z	13 May	'025'	483 30 = = 75574...	...LG 57165	000		MCW	E / E.SMITH		SAT
	1500z	20 May	'025'	167 30 = = 80834...	...LG 66603	000	Ends 1508z		E.SMITH		SAT
	1500z	27 May	'025'	565 30 = = 53346...	...LG 88565	000	Fair. Fast. Poor signal with QSB		BR		SAT
6780	0700z	07 May	'025'	365 30 = = 08756...	...LG 11926	000			AB/E/F5JBR/HFD		SUN
	0700z	14 May	'025'	367 30 = = 94117...	...LG 52281	000	Fair, fast. Many errors, several corrected		BR		SUN
	07**05**z	21 May		802 30 = = 2 .769...	...LG 58044	000	Weak, fast. Late start with no call-up		BR/CB		SUN
	0700z	28 May	**'167'**	167 30 = = 502 .7...	...LG 61067	000	Weak, fast. Sent DK as call-up instead of 025		CB		SUN

June 2017:

4905	20**01**z	01 Jun	'025'	245 30 = = 77053 770523 7			Good. Sent grp01 & error, 7 - No more heard		BR		THU
	19**59**z	06 Jun	'025'	901 30 = = 06507...	...LG 63183	000	Strong, fast. Grp23 sent once. 29 grps sent		CB/E.SMITH		TUE
	19**59**z	08 Jun	'025'	907 30 = = 30248...	...LG 33031	000	Good, slow. Very high noise & static		BR/CB		THU
	19**58**z	13 Jun	'025'	123 30 = = 55063...	...LG 44179	000	Strong, fast. Joined grps. Errors noted		CB		TUE
	1959z	15 Jun	'025'	339 30 = = 79363...	...LG 83969	000	Good, fast. Excellent CW. Errors noted		BR/CB		THU
	2000z	20 Jun	'025'	781 30 = = 08971...	...LG 67094	000	Fair, fast. Erratic sending at times, with errors		CB		TUE
	2000z	22 Jun	'025'	523 30 = = 30528...	...LG 01877	000	Strong, fast. Errors from grp18 onwards noted		CB		THU
	2000z	27 Jun	'025'	499 30 = = 49509...	...LG 72393	000			E.SMITH		TUE
	2000z	29 Jun	'025'	567 30 = = 16537...	...LG 97276	000	Weak - Fair, fast. Excellent CW. No errors		BR		THU
5280	1800z	01 Jun	'025'	446 30 = = 56091...	...LG 80836	000	Good - Severe QRM from Amateur QSO SSB		BR		THU
	1800z	06 Jun	'025'	743 30 = = 40901...	...LG 63183	000	Weak/Fair, fast. Poor copy at times		BR		TUE
	1800z	08 Jun	'025'	707 30 = = 983	...LG 79170	000	Weak, slow. Copy difficult at times		BR		THU
	1800z	13 Jun	'025'	557 30 = = 50725...	...LG 02071	000	Weak - Good. Long zero used in grps01 & 02		BR		TUE
	1800z	15 Jun	'025'	. . . 30 = = = = 56	...LG		Very weak. Very poor copy - No useful copy		BR/CB		THU
	1800z	20 Jun	'025'	137 30 = = 2404	...LG 56227	000	Weak, med-fast. Copy difficult at times		BR		TUE
	1800z	22 Jun	'025'	727 30 = = ...	...LG 9 .588	000	Weak, med-fast. Poor copy throughout		BR		THU
	1800z	27 Jun	'025'	707 30 = =			Very weak - Unable to read. 29 grps sent		E.SMITH		TUE
	1800z	29 Jun	'025'	765 30 = = 415 .3...	...LG 10569	000	Very weak at start. Improved, but poor copy		BR		THU
6435	1500z	03 Jun	'025'	192 30 = = 11237...	...LG 51142	000	Ends 1508z	MCW	E.SMITH		SAT
	1500z	10 Jun	'025'	721 30 = = 59680...	...LG 41126	000	VVV VVV VVV sent at 1455z	MCW	AB/E.SMITH		SAT
	1500z	17 Jun	'025'	465 30 = = 21991...	...LG 53793	000	Weak, fast. V.weak at start. Excellent CW		CB/E.SMITH		SAT
	1500z	24 Jun	'025'	147 30 = = 84901...	...LG 84879	000	Fair, fast. Excellent, steady CW. No errors		BR		SAT
6780	07**03**z	04 Jun	'025'	365 30 = = 42685...	...LG 35838	000	Good - XJS QRM present. Errors noted		BR/CB		SUN
	06**59**z	11 Jun	'025'	183 30 = = 63815...	...LG 05345	000	Weak/Fair. XJT QRM. Copy variable		BR		SUN
	0700z	18 Jun	'025'	997 30 = = 36424...	...LG 99897	000	Weak, med-fast. Difficult copy at times		BR		SUN
	0700z	25 Jun	'025'	783 30 = = 86001...	...LG 22755	000	Fair, fast. Error noted grp08 repeat 4-fig only		BR		SUN

M01a (From Feb 2016 M01a has been redefined to cover all M01 variants - excepting M01b)

Edd, (E.SMITH), managed to catch a number of M01a transmissions. The 4956kHz transmissions on 28 June are particularly interesting. All theories welcome!

May 2017:

8116	0634 (IP) - 0637z	25 May	902 346 25 ... 0201 … 111 000		CW	E.SMITH	THU
9447	0632 (IP) - 0637z	23 May	... 80789 00603 97629 00030 00054 00000 = 054 35 000	Weak	CW	E.SMITH	TUE

June 2017:

4956	1055 (IP) - 1057z	28 Jun	634 (x3) 07849 (x2) 634 (x3) 07849 (x2) 634 (x3) 07	Via Silec, Poland SDR.	CW	E.SMITH	WED
	1109 - 1112z	28 Jun	333 06294 06294 (R5) 333 333 06294 06294 (R3) 333 0629 111	Via Silec, Poland SDR	CW	E.SMITH	WED
	1124 - 1138z	28 Jun	333 05 (x3) 333 10 333 14 333 17 020 20 23 (x2) 333 20 333 21 333 22 (x3) 333 23 333 29 (x3) 333 30 333 35 (x4) 333 36 333 37 111 111 000	Via Silec, Poland SDR	CW	E.SMITH	WED

5102	1204z (IP)	06 Jun	… 045 077 000	Via Silec, Poland SDR	CW	E.SMITH	TUE
5165	0934 (IP) - 0941z	06 Jun	88942 88942 628 628 628 88942 88942 628 628 628 86092 86092 628 628 628 86092 86092	Via Silec, Poland SDR	CW	E.SMITH	TUE

M01b

May 2017:

4895//5340	2010 - 2027z	05 May	'467' 329 32 = 68720 69165 ..... 27573 82303 000		MCW	AB/HFD	THU
5065//5805	1942z	04 May	'936' 329 32 = 68720 69165 ..... 27573 82303 000		MCW	AB/HFD	THU
	1940 - 1958z	11 May	'936' 329 32 = 68720 69165 ..... 27573 82303 000		MCW	BR	THU
	1940 - 1958z	18 May	'936' 329 32 = 68720 69165 ..... 27573 82303 000		MCW	E.SMITH	THU
5075//5465	1902 - 1920z	05 May	'336' 329 32 = 68720 69165 ..... 27573 82303 000		MCW	BR/HFD	FRI
5095//5760	1832z	04 May	'815' 329 32 = 68720....			HFD	THU
5095	1832 - 1849z	11 May	'815' 329 32 = 68720 69165 ..... 27573 82303 000	[XJT on 5760kHz]		BR	THU
5095//5760	1831 - 1849z	18 May	'815' 329 32 = 68720 69165 ….. 27573 82303 000		MCW	E.SMITH	THU
5125//5735	1810 - 1817z	01 May	'364' 329 32 = 68720 69165 ….. 27573 82303 000		MCW	E.SMITH/HFD	MON
5150//5475	1915 - 1933z	01 May	'858' 329 32 = 68720 69165 ….. 27573 82303 000		MCW	E.SMITH/HFD	MON

June 2017:

5060//5805	1942 - 1958z	08 Jun	'936' 317 32 = 77738 06882 ..... 82430 55856 000	Fair//Fair		BR	THU
	1942 - 1958z	15 Jun	'936' 317 32 = 77738 06882 ..... 82430 55856 000	V.weak/Fair		BR	THU
5075//5465	1902 (IP) - 1919z	16 Jun	'336' 317 32 = 77738 06882 ….. 82430 55856 000		MCW	E.SMITH	FRI
5095	1832z	08 Jun	'815' 317 32 = 77738 06882 ..... 82430 55856 000	Weak (5760kHz strong XJT)		BR	THU
5475	1915 - 1933z	05 Jun	'858' 317 32 = 77738 06882 ..... 82430 55856 000	Good (5150kHz NRH)		BR	MON
5735	1810z	05 Jun	'364' 317 32 = 77738 06882 ..... 82430 55856 000	Weak (5125kHz NRH)		BR	MON

M01b 5125//5735kHz 1810z 01 May

364 (R4m) 329 329 32 32 = =

68720 69165 38155 14045 47379
93623 56588 95419 16264 03444
43296 92900 96825 87200 12032
15575 71243 63812 84062 66633
48819 84887 10936 05128 45699
67896 38171 03881 04622 14884
27573 82303 = =

329 329 32 32 000

Courtesy E.SMITH

M01b 5475kHz 1915z 05 June

858 (R4m) 317 317 32 32 = =

77738 06882 02256 07821 11349
73780 60423 50106 01672 99141
90739 05098 54149 40544 26084
04232 43597 96442 69221 41037
87742 31783 36341 63440 60762
25088 57324 71708 23913 78400
82430 55856= =

317 317 32 32 000

Courtesy BR

M08a XVIII ICW / CW, some MCW

Our M08a report courtesy of AnonUS in America.

M08a continued to be logged but only occasionally over the past two months. Carriers were heard on almost all schedules sometimes with HM01 faintly in the background.

Not much of interest otherwise except at 1400z on 15 June when some Morse came up intermittently with some apparently random number sequences, but on closer inspection these appear to be the 12345 67890 test message that is occasionally transmitted. This was followed by a Windows XP ding. Perhaps the fact that they are using an outdated operating system explains some of the issues they are having lately.

May 2017:

7554	2000z	12 May	Faint hum with HM01 in the background	AnonUS	FRI
	2000z	26 May	[50562 63801 76222]	AnonUS	FRI
	2000z	29 May	[50062 63381 76622]	AnonUS	MON
8096	1400z	10 May	[74222 80551 01071]	AnonUS	WED

	1400z	31 May	[- - - -- 55182 80412] Up late in progress	AnonUS	WED
8135	2300z	26 May	Hum with HM01 in the background	AnonUS	FRI
	2300z	30 May	[55781 66431 80752]	AnonUS	TUE

June 2017:

7554	2000z	01 Jun	[- - - - - - - - -- 18712] Up late at approximately 2020z	AnonUS	THU
	2000z	23 Jun	[18262 22501 35022] Up late with the Weekend call-ups but on a Friday	AnonUS	FRI
8009	2300z	10 Jun	No Morse, HM01 audible in the background	AnonUS	SAT
	2300z	17 Jun	No Morse, HM01 audible in the background	AnonUS	SAT
	2300z	19 Jun	No Morse, HM01 audible in the background	AnonUS	MON
8096	1400z	01 Jun	[71031 84362 07791]	AnonUS	THU
	1400z	15 Jun	At approximately 1408 the following was transmitted 82 56 890 67890 12345 6789 Followed by a windows XP ding	AnonUS	THU
8135	2300z	06 Jun	No Morse, HM01 audible in the background	AnonUS	TUE
	2300z	08 Jun	No Morse, HM01 audible in the background	AnonUS	THU
	2300z	14 Jun	No Morse, HM01 audible in the background	AnonUS	WED
	2300z	15 Jun	No Morse but HM01 faintly audible in the background	AnonUS	THU
	2300z	23 Jun	[64562 77881 01222] Up at 2255z	AnonUS	FRI

M12 IB ICW, some MCW / CW, short 0. Reuses many freqs year on year.

New ID's may be only for the month/sched shown, but not necessarily unknown . The reason for their reuse, some after long periods of time, is unknown.

European M12 Logs

May 2017: **New scheds in bold type**

9167/10267/11567	0500/20/40z	06 May	125 1 (6192 85) 40574 68707 …... 83612 74487 000 000	E.SMITH	SAT
	0500/20/40z	13 May	125 000	E.SMITH	SAT
	0500/20/40z	20 May	125 000	E.SMITH	SAT
	0500/20/40z	27 May	125 000	E.SMITH	SAT
9176/ 7931/6904	1700/20/40z	03 May	257 1 (5006 101) 50093 75503 84415 91980 23777 37744 ... 000	AB	WED
	1800/20/40z	03 May	257 1 (904 103) 85397 69935....	BR	WED
	1700/20/40z	08 May	257 1 (7738 108) 72948 21677..... 44921 40152 000 000	BR/F5JBR	MON
	1700/20/40z	10 May	257 1 (1082 100) 40532 11343....	BR	WED
	1800/20/40z	10 May	257 1 (6564 142) 83391 88540....	BR/HFD	WED
	1700/20/40z	15 May	257 1 (3495 106) 06268 35505....	BR	MON
	1700/20/40z	22 May	257 1 (9654 107) 18308 40842....	BR	MON
	1700/20/40z	24 May	257 1 (7272 110) 34337 32449....	BR	WED
	1800/20/40z	24 May	257 1 (6043 137) 87401 69863....	BR	WED
	1700/20/40z	29 May	257 1 (8911 106) 10396 07372....	BR	MON
	1700/20/40z	31 May	257 1 (7696 110) 76330 08516....	BR	WED
	1800/20/40z	31 May	257 1 (5962 141) 71013 16622....	BR	WED
9241/7541/---	2100/20/40z	10 May	258 1 (6192 85) 40574 68707....	BR/HFD	WED
	2100/20/40z	17 May	258 000	E.SMITH	WED
	2100/20/40z	24 May	258 000	BR	WED
	2100/20/40z	31 May	258 1 (2043 77) 24810 36019....	BR	WED
13926/12126/10926	1310/30/50z	04 May	919 1 (3885 51) 71072 36912 …... 37087 37661 000 000	E.SMITH/HFD	THU
10926	1350z	06 May	919 1 (3885 51) 71072 36912 …... 37087 37661 000 000	E.SMITH	SAT
	1310/30/50z	11 May	919 000	E.SMITH	THU
	1310/30/50z	13 May	919 000	E / E.SMITH	SAT
	1310/30/50z	18 May	919 000	E.SMITH	THU
	1310/30/50z	20 May	919 000	E.SMITH	SAT
	1310/30/50z	25 May	919 1 (7196 37) 76407 19651....	BR	THU
	1310/30/50z	27 May	919 1 (7196 37) 76407 19651....	BR	SAT
14869/13569/12179	2110/30/50z	03 May	851 000	HFD	WED
	2110/30/50z	06 May	851 1 (2627 47) 80655 03826....	BR	SAT
	2110/30/50z	10 May	851 1 000	BR	WED
	2110/30/50z	17 May	851 1 (2005 113) Weak - Unable to transcribe	E.SMITH	WED
	2110/30/50z	20 May	851 1 Present - But very weak. No useful copy	BR	SAT
	2110/30/50z	24 May	851 000	BR	WED
	2110/30/50z	27 May	851 000	E.SMITH	SAT
	2110/30/50z	31 May	851 000	BR	WED
17451/15951/14451	**1400/20/40z**	**03 May**	**494 000** Via Moscow SDR	E.SMITH	WED
	1400/20/40z	**08 May**	**494 1 (5620 85) 64934 13361 ..... 47914 52110 000 000**	AB	MON
	1400/20/40z	10 May	494 1	HFD	WED
	1400/20/40z	15 May	494 000	BR	WED
	1400/20/40z	22 May	494 1 (5273 137) 05709 00435 ..... 04602 80289 000 000 SDR Ukraine	E.SMITH	MON
	1400/20/40z	24 May	494 1 (5273 137) 05709 00435 ..... 04602 80289 000 000	E.SMITH	WED
	1400/20/40z	31 May	494 000	E.SMITH	WED

June 2017:

8047/6802/5788	1900/20/40z	07 Jun	463 1 (5074 131) 25653 74665....	BR	WED
	1900/20/40z	14 Jun	463 1 (5387 133) 83819 46248....	BR	WED
	1900/20/40z	21 Jun	463 1 (1300 130) 16129 68310....	BR/HFD	WED
	1900/20/40z	28 Jun	463 1 (8733 130) 62453 82372....	BR	WED
9176/7931/6904	1700/20/40z	05 Jun	257 1 (3920 111) 10396 07372....	BR	MON
	1700/20/40z	07 Jun	257 1 (2913 110) 87159 40649....	BR	WED
	1800/20/40z	07 Jun	257 1 (2671 133) 37907 74307....	BR	WED
	1700/20/40z	12 Jun	257 1 (5044 100) 83293 37607....	BR	MON
	1700/20/40z	14 Jun	257 1 (4086 100) 53912 02050....	BR	WED
	1800/20/40z	14 Jun	257 1(7793 148) 54961 39107....	BR	WED
	1700/20/40z	21 Jun	257 1 (9326 111) 19530 29383....	BR	WED
	1800/20/40z	21 Jun	257 1 (8887 142) 50108 26380....	BR	WED
	1700/20/40z	28 Jun	257 1 (7126 104) 34990 33620....	BR	WED
	1800/20/40z	28 Jun	257 1 (9342 144) 54499 16024....	BR	WED
9282/10982/12182	0500/20/40z	03 Jun	291 000	E.SMITH	SAT
	0500/20/40z	10 Jun	291 1 (6470 169) 91709 48196 ..... 86160 72362 000 000	AB/E.SMITH/HFD	SAT
	0500/20/40z	17 Jun	291 1 (4055 91) 05742 62336 ..... 51251 13686 000 000	AB/E.SMITH	SAT
	0500/20/40z	24 Jun	291 1 (5291 121) 68418 51343 ..... 25545 26619 000 000	E.SMITH	SAT
9986/9086/7386	2100/20/40z	07 Jun	903 1 (6470 169) 91709 48196 ..... 86160 72362 000 000	AB/HFD	WED
	2100/20/40z	14 Jun	903 1 (4055 91) 05742 62336....	BR	WED
	2100/20/40z	21 Jun	903 1 (5291 121) 68418 51343 ..... 25545 26619 000 000	AB	WED
	2100/20/40z	28 Jun	903 000	BR	WED
13873/13373/11473	1310/30/50z	01 Jun	834 1 (9608 117) 73822 60131....	BR	THU
	1310/30/50z	03 Jun	834 1 (9608 117) 73822 60131 ….. 89450 18576 000 000	E.SMITH/HFD	SAT
	1310/30/50z	08 Jun	834 1 (8449 109) 41186 14511 ….. 73154 19234 000 000	E.SMITH	THU
	1310/30/50z	15 Jun	834 000	E.SMITH	THU
	1310/30/50z	22 Jun	834 1 (826 95) 33352 98649....	BR	THU
	1310/30/50z	29 Jun	834 000	E.SMITH	THU
14377/13461/12114	**1700/20/40z**	**01 Jun**	**317 1 (1923 108) 24446 24615....**	BR	THU
	1700/20/40z	08 Jun	317 1 (1895 110) 82993 01420....	BR	THU
	1700/20/40z	15 Jun	317 1 (3959 109) 59818 91631....	BR	THU
	1700/20/40z	22 Jun	317 1 (5324 102) 91712 64217....	BR	THU
16117/14717/13417	1400/20/40z	05 Jun	174 1 (4744 145) 89515 76758 ..... 76902 60665 000 000	Gert/HFD	MON
	1400/20/40z	07 Jun	174 1 (4744 145) 89515 76758....	BR	WED
	1400/20/40z	12 Jun	174 000	BR	MON
	1400/20/40z	14 Jun	174 000	BR	WED
	1400/20/40z	19 Jun	174 1 (5484 139) 43494 01964....	BR	MON
	1400/20/40z	21 Jun	174 1 (5484 139) 43494 01964....	BR	WED
	1400/20/40z	26 Jun	174 000	BR	MON
16217/14817/---	**1950/2010z**	**02 Jun**	**284 000 Very strong**	Danix	FRI
16269/14669/13369	2110/30/50z	07 Jun	263 1 (7081 111) 69668 25898....	BR	WED
	2110/30/50z	10 Jun	263 1 (7081 111) 69668 25898 ….. 47084 83354 000 000	E.SMITH	SAT
	2110/30/50z	14 Jun	263 1 (1156 75) 61352 26137....	BR	WED
	2110/30/50z	17 Jun	263 1 (1156 75) 61352 26137 ….. 63556 65560 000 000	E.SMITH	SAT
	2110/30/50z	21 Jun	263 000	BR/HFD	WED
	2110/30/50z	24 Jun	263 000	E.SMITH	SAT
	2100/20/40z	28 Jun	263 1 (3275 53) 46715 03726....	BR	WED

M912b (Temporary Holding ID)

Edd, (E.SMITH), reported this transmission on 10250kHz on Wednesday, 03 May. This frequency has seen a lot of activity in the past, often with a variation to the usual format, resulting in the Temporary Holding IDs being assigned to both Morse (M912b) & voice (E907b).

10250kHz 1105 - 1109z	03 May	687 1 (2615 28) 07138 53065 ….. 15514 82529 000 000	E.SMITH	WED

687 1 (R2m) 2615 28 2615 28
07138 53065 05539 32753 07981 31910 83440 67439 08402 88137
98317 38224 34867 70123 58353 23862 50540 99376 74295 50724
77801 14775 00699 38467 77465 16407 15514 82529 000 000

Courtesy E.SMITH

M14 IA MCW / ICW Short 0

May 2017:

5243	2300z	07 May	376 (241 40) = 34526 36452 ... 39826 18726 = 241 40 00000	AB	SUN
5360	1600z	02 May	273 (158 80) = 45558 16729 ... 14526 53106 = 158 80 00000 (Heard in RUS - *AB*)	AB/HFD	TUE
5430	0800 - 0815z	13 May	171 (825 53) = 64532 37645 ... 53421 26534 00000 (Via SDR Silec, PL) MCW	E.SMITH	SAT
	0800 - 0814z	20 May	171 (027 45) = 45632 17653 ... 37509 27843 00000 (Via Russian SDR)	AB/E.SMITH	SAT

5442	0800 - 0813z	06 May	171 (241 40) = 34526 36452 ... 39826 18726 00000		ICW	E.SMITH	SAT
5560	0900 - 0913z	06 May	171 (241 40) = 34526 36452 ... 39826 18726 00000		MCW	E.SMITH	SAT
	0900 - 0915z	13 May	171 (825 53) = 64532 37645 ... 53421 26534 00000	(Via SDR Russia/Silec)		AB/E.SMITH	SAT
	0900 - 0914z	20 May	171 (027 45) = 45632 17653 ... 37509 27843 00000		MCW	E.SMITH	SAT
6856	1820z	09 May	163 (241 40 = 34526....			HFD	TUE
6891	1800z	05 May	382 00000			HFD	FRI
7488	1700z	05 May	382 00000			HFD	FRI
7540	0901z (IP)	04 May	617 (536 30) = 13245 75648 ... 83652 18927 00000	[Note 1]	ICW	E.SMITH	THU
	0900 - 0910z	11 May	617 (736 30) = 35241 26534 ... 73654 18263 00000		ICW	E.SMITH	THU
	0900 - 0911z	18 May	617 (785 35) = 13253 26472 ... 38101 78365 00000		ICW	E.SMITH	THU
7590	0603z	14 May	382 00000			E	SUN
5825	0000z	01 May	376 (184 59) = 13253 26472 ... 12311 84502 = 184 59 00000			AB	MON
	0000z	08 May	376 (241 40) = 34526 36452 ... 39826 18726 = 241 40 00000			AB	MON
8116	0630 - 0638z	18 May	441 (953 20) = 94051 98593 ... 33197 80891 = 00000		ICW	E.SMITH	THU
9371	0500z	03 May	975 (621 50) = 34061 34061 ... 48698 48698 = 621 50 00000			F5JBR	WED
16347	0930 - 0934z	10 May	617 00000	(Via SDR Moscow - *E.SMITH*)	ICW	E.SMITH/HFD	WED
	0930 - 0934z	25 May	617 00000		ICW	E.SMITH	THU

[Note 1] 617 I.D. is also used for the 0930z transmissions on 10th & 25th of the month. *(E.SMITH)*

June 2017:

5430	0800 - 0816z	03 Jun	171 (273 55) = 74653 26354 …... 48736 91023 00000	Via Silec, Pl. SDR	MCW	E.SMITH	SAT
5560	0900 - 0916z	03 Jun	171 (273 55) = 74653 26354 …... 48736 91023 00000	Via Silec, Pl. SDR	MCW	E.SMITH	SAT
5938	1920z	28 Jun	417 (825 53) = 64532			HFD	WED
6856	1820 - 1835z	27 Jun	163 (825 53) = 64532 37645 …... 53421 26534 00000		MCW	E.SMITH	TUE
9091	0811 (IP) - 0813z	24 Jun	.... (731 52) = ... 91589 80411 ...37 84942 99406 BT BT 731 731 52 52 00000			JPL	SAT
16347	0930 - 0934z	10 Jun	617 00000			AB/E.SMITH	SAT
18041	0500z	08 Jun	952 (314 50) = 14678 45976 ... 21543 54685 00000	Copied via Japan		AB	THU
	0500z	16 Jun	952 (430 50) = 38976 20284 ... 73129 96087 00000			AB	FRI
	0500z	22 Jun	952 (173 50) = 71955 48404 ... 71451 95432 00000			AB	THU
	0500z	28 Jun	952 (813 60) = 03244 34385 ... 92013 36049 00000			AB	WED

M14 5243kHz 0000z 08 May 17

376 (R4m) 241 241 40 40 = =

34526 36452 73654 83654 92635 32413 26478 15236 83754 91724
17236 92783 47536 29167 81724 73564 17625 36452 17625 83746
91726 63745 28651 16235 92673 46372 18726 36452 17625 38763
35462 78364 18725 93748 17625 36213 27653 87465 39826 18726

241 241 40 40 00000

Courtesy AB

M14 7540kHz 0900z 18 May 17

617 (R4m) 785 785 35 35 = =

13253 26472 48950 52141 08745 63532 21745 53413 96423 84276
24132 68321 07621 31242 74629 73241 96313 45261 76498 51823
23456 73192 42613 53804 61235 62897 41324 89376 53421 06213
01834 63505 32676 38101 78365

785 785 35 35 00000

Courtesy E.SMITH

M23 O ICW

Very little has been heard of M23 in recent months, which is not unusual as this station does seem to appear & disappear sporadically. Peter, (PoSW), came across this short appearance on 20 June, sending '222'.

20-June-17, Tuesday:- 1508 UTC, 5,345 kHz, tuning around on this hot afternoon, 29C, quite high for these parts, slow CW sending "222". Strong signal for this time of day on a relatively low frequency, a good S9, seemed like a local ground-wave signal at first but did the usual short-wave fading up and down after a while. Stopped in full flow after 1513z, a short burst of carrier heard a few seconds afterwards.
1532 UTC:- had started up again with "222", stopped after 1543. A receiver was kept tuned to 5,345 but nothing further was heard either on this or subsequent days; but what was observed many times was a quick "key down" carrier at times between 1 minute 5 seconds and 1 minute 20 seconds past the hour. This "blip" was too short in duration to form part of a Morse character.

Update:- this little burst of carrier was still being heard on 5,345 at the end of June, on Wednesday 28-June observed at 0801:5s, 0901:4s and 1101:4s UTC.

Thanks Peter. The appearance of these short hourly 'blips' has been noted before & is certainly connected with M23. This seems to occur on active frequencies & sometimes the station will reappear for another sequence of transmissions, while at other times the 'blips' just cease without any further activity taking place.

M24 IA MCW / ICW / MCWCC (high speed version of M14), short 0

No Reports

M76 Schedule on 3280kHz (Changes to 3820kHz or 3294kHz over the year). A detailed analysis can be found in ENIGMA Newsletter 93 - May2016. Difficult to receive with a good signal into the UK most of the time, monitors rely on various SDRs for logs of this station.

No Reports

M97 CW, partner station to V30 10375kHz Starts 1453 - 1500z (Variable) .

Due to the poor reception of this signal in both the UK and Canada, GlobalTuners receivers at Hong Kong, Mojave Desert & Sydney - as well as the Twente SDR, were used frequently to confirm the msg detail.

No Reports

Morse Stations - Not Number Related

M51 XlX

3881//6825	Usual unscheduled & random continuous transmissions heard, often ceasing just before, or commencing shortly after the daily M51a transmissions. These seem to be almost continuously transmitted on these two frequencies now.				
6825	0715z (IP)	21 May	Slow letters & numbers - Gone by 0731z	E	SUN

M51a (FAV22) Daily Mon - Fri, Sun & some Sats. See NL 72 for details

3881//6825									
	1130 - 1203z	20 Jun	Mardi-Leçon	02-1/1 Codé	02-1/2 Clair,	02-1/3 Codé,	02-1/4 Clair (600 grps/hr)	BR	TUE
	1130 - 1158z	22 Jun	Jeudi- Leçon	04-1/1 Codé,	04-1/2 Clair,	04-1/3 Codé,	04-1/4 Clair (840 grps/hr)	BR	THU
	1130 - 1205z	23 Oct	Vendredi- Leçon	05-1/1 Codé,	05-1/2 Clair,	05-1/3 Codé,	05-1/4 Clair (960 grps/hr)	BR	FRI

M89 O

This is a summary of activity from the M89 stations.

Operator Chat from M89

Op. chat & traffic reported on the following freqs. (All in kHz).

3842	4050	5058	6620	7560	8050	9020	10222	11241
3973	4054	5115	6820	7573	8079	9241	10234	
	4061	5154	6852		8855	9256	10332	
	4047	5179					10736	
	4101	5197						
	4200	5277						
	4271	5364						
	4352	5410						
	4366	5416						
	4620	5566						
	4680	5604						
	4844	5687						
		5814						

New Scheds for May / Jun 2017: **From logs submitted from JPL & F5JBR**

4067//4847	New Round Slip for this net	First heard 02 May	V 6TGU (x3) DE GR4W (x2)
4067	New Round Slip for this freq	First heard 18 May	V EDC3 (x3) DE VF4R (x2)
	This frequency previously // to 4447 which was sending a different Round Slip. Changed back to match previous Round Slip // 4847kHz on 26 May. V 6TGU (x3) DE GR4W (x2)		
4067	Changed Round Slip for this freq	First heard 22 Jun	V EDC3 (x3) DE VF4R (x2)
	From 1017z 22 June, Round Slip was changed, again. This Round Slip is known for this circuit. Last used from 18-22 May 2017.		
6169//NRH	New freq for this Round Slip	First heard 21 May	V EDC3 (x3) DE VF4R (x2)
7620//8350	New freq & // for this Round Slip	First heard 02 June	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K

8290//8360//10640	New freq for this Round Slip	First Heard 08 May	V DKG6 (x3) DE 3A7D (x2)
10253//NRH	New Round Slip for this net	First heard 02 May	V 6TGU (x3) DE GR4W (x2)

Chart of M89 Freq & Call signs heard in May / Jun 2017 **New Scheds shown in Bold Type** **From logs submitted from JPL & F5JBR**

Freq in KHz	Call Slip
3642//NRH	V DKG6 (x3) DE 3A7D (x2)
3642//7602	V DKG6 (x3) DE 3A7D (x2)
3642//10180	**V DKG6 (x3) DE 3A7D (x2)**
3777//4532	V M8JF (x3) DE RIS9 (x2)
4067//NRH	**V EDC3 (x3) DE VF4R (x2)**
4067//NRH	**V 6TGU (x3) DE GR4W (x2)**
4067//4847	**V 6TGU (x3) DE GR4W (x2)**
4131//NRH	V JKDJ (x3) DE SLBC (x2)
4532//8060	V M8JF (x3) DE RIS9 (x2)
4620//4860//6840	**VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?**
4720//5150	VVV WNF (x3) DE FXM (x2)
4847//NRH	V Z4RQ (x3) DE 3WRX (x2)
4847//NRH	6TGU (x3) de GR4W (x2) V
4860// NRH	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
4860// 6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
5177//NRH	V JKDJ (x3) DE SLBC (x2)

Freq in kHz	Call Slip
5801//10180	V DKG6 (x3) DE 3A7D (x2)
6169//NRH	**[V EDC3 (x3) DE VF4R (x2)**
6793//8060	V M8JF (x3) DE RIS9 (x2)
6840//10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
7602//NRH	V DKG6 (x3) DE 3A7D (x2)
7620//8350	**V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K**
8060//NRH	V M8JF (x3) DE RIS9 (x2)
8290//8360//10640	**V DKG6 (x3) DE 3A7D (x2)**
8350//NRH	V WNF (x3) DE FXM (x2)
8360//NRH	**Q2M de NYZ VVV**
10180//NRH	V DKG6 (x3) DE 3A7D (x2)
10253//NRH	V Z4RQ (x3) DE 3WRX (x2)
10253//NRH	**V 6TGU (x3) DE GR4W (x2)**
10640//NRH	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K

Courtesy JPL

M89 3842kHz 1508 (IP) - 1400z 31 May 2017

(IP – 1508z) Hand sent

CK 23 53 0531 1309 RMKS 6473 TO 6475 BT
D557 3N47 (Cont'd – 1509z)
AR K (1510z)
R RPT 02W BT 3N47 AR K
R OK K
HR OK NR 1004 K (1511z)
R NIL SK GB (1511z - Silent)

M89 10222kHz 0628 (IP) - 0639z 02 June 2017

8HMW

F30S DE 8HMW K (IP – Hand sent – 0627z)
VV F3 EEE
VV F30S DE 8HMW K (0628z)
VV F30S DE 8HM NR 03 K QSY NR 02 K (0629z)
VV F309S DE 8HMW U QSY (0629z)
VV F3OS DE 8HMW QSY NR 03 K QSY NR 03 K (0630z)
VV F30S DE 8HMW K (Sometimes sends long zero)
VV F30S DE 8HMW QSY / 02 K QSY NR 07 QSY NR 17 K
VV F30S DE 8HMW K (0632z)
VV F30S DE 8HMW
VV F30S DE 8HMW QSY NR 13 K (0633z)
VV F3OS DE 8HMW K
VV F3 (0634z)
VV F3OS DE 8HMW QSY NR 22 EEE QSY NR 23 K (0635z)
VV F3OS DE 8HMW K (0635z – Silent)
VVF 3OS DE 8HMW K (0638z)
R QSA 2 NR 084
NIL SK GB (0639z)

Courtesy JPL

M89 4532kHz 1135 - 1201z 31 May 2017

V M8JF (x3) DE RIS9 (x2)

3D36 UNTN (IP – Cont'd – Machine sent – 1135z)
AR (1137z)
CQ06/4684 3955 7044 MSG
NR 543 CK 99 14 0531 1938 RMKS 2494 TO 4684 3955 7044 BT
ADND 4NA. (Cont'd – 1138z)
AR (1142z)
CQ06/4664 4649 3959 MSG
NR 544 CK 99 14 0531 1943 RMKS 2494 TO 4664 4649 3959 BT
7A3D DA7U (Cont'd – 1143z)
AR (1147z)
CQ06/CQ MSG
NR 545 CK 299 14 0531 1948 RMKS CQ BT
UTT5 DU53 (Cont'd – 1148z)
AR (1200z)
CQ06/CQ MSG
NR 546 CK 699 14 0531 2001 RMKS CQ BT
UDDN AN34 (Cont'd – Unable to monitor any longer – 1201z)

M89 5179kHz 1241z (IP) 24 June

AH CY (IP 1241z)
HR CY CQ EEEEE
HR CQ MSG PSE ALL CY (1242z)
MSG CY
NR 39 CK 99 73 0207 1825 RMKS E4376 TO 3686 K
(Audio distorted on remote tuner - 1245z)

Courtesy JPL

M95 O XSV, XSV70, XSV85
M95 Morse Logs **(Bold type indicates new logging)**

4243//9054 Message number differs from current XSV70 and XSV85 message numbers. All logged via Remote tuner New Zealand unless stated.

1144 (IP) - 1205z	01 May	NR 067 CK 17 35 0501 1505 BT		JPL	MON
		NR 02 CK 152 35 0501 1552 BT		JPL	MON
0001 - 0023z	02 May	NR 0377 CK 111 35 0502 0651 BT	(Remote tuner Hong Kong)	JPL	TUE
1140 (IP) - 1214z	05 May	NR 075 CK 21 35 0505 1523 BT		JPL	FRI
		NR 012 CK 22 35 0505 1615 BT		JPL	FRI
		NR 10 CK 173 35 0505 1630 BT		JPL	FRI
1145 (IP) - 1203z	08 May	NR 081 CK 33 35 0508 1426 BT		JPL	MON
		NR 021 CK 15 35 0508 1657 BT		JPL	MON
1143 (IP) - 1200z	20 May	NR 005 CK 17 35 0520 1520 BT		JPL	SAT
		NR 40 CK 117 35 0520 1630 BT		JPL	SAT
		NR 057 CK 19 35 0520 165. BT		JPL	SAT
1139 (IP) - 1156z	21 May	NR 007 CK 20 35 0521 143 .BT		JPL	SUN
		NR 42 CK 121 35 0521 1615 BT		JPL	SUN
		NR 060 CK 13 35 0521 1623 BT		JPL	SUN
1142 (IP) - 1201z	02 Jun	NR 031 CK 20 35 0602 1534 BT	(Remote tuner China)	JPL	FRI
		NR 04 CK 152 35 0602 1630 BT		JPL	FRI
		NR 096 CK 2135 0602 1643 BT		JPL	FRI
1153 (IP) - 1203z	05 Jun	NR 0060 CK 1735 0605 1627 BT	(Remote tuner China)	JPL	MON
1141 (IP) - 1157z	11 Jun	NR 049 CK 1. 35 0611 1534 BT		JPL	SUN
		NR 22 CK .21 35 0611 16 . . BT		JPL	SUN
		NR 024 CK 18 35 0611 1628 BT		JPL	SUN
1141 (IP) - 1154z	13 Jun	NR 053 18 35 0613 1508 BT		JPL	TUE
		NR 26 155 35 0613 1623 BT		JPL	TUE
1143 (IP) - 1206z	15 Jun	NR 057 CK 17 35 0615 1450 BT		JPL	THU
		NR 036 CK 18 35 0615 1632 BT		JPL	THU
		NR 30 CK 076 35 0615 1635 BT		JPL	THU
1138 (IP) - 1153z	21 Jun	NR 69 CK 18 35 0621 1452 BT		JPL	WED
		NR 054 CK 16 35 0621 1610 BT		JPL	WED
		NR 42 CK 132 35 0621 1625 BT		JPL	WED

4364//8073 Call Sign XSV85

1132 (IP) - 1142z	02 Jun	NR 0452 CK 174 35 0602 1549 BT	(Remote tuner China)	JPL	FRI
1148 (IP) - 1204z	05 Jun	NR 0464 CK 119 35 0605 1802 BT	(Remote tuner China)	JPL	MON
1131 (IP) - 1140z	13 Jun	NR 0494 CK 216 35 0613 1613 BT	(Remote tuner New Zealand)	JPL	TUE
1139 (IP) - 1141z	15 Jun	NR 049 CK 123 3	(Remote tuner New Zealand)	JPL	THU
		NR 0499 CK 239 35 0615 .... Very poor copy both freqs		JPL	THU
1136z (IP)	20 Jun	NR 0509 CK 168 35 0620 1615 BT	(Remote tuner New Zealand)	JPL	TUE
1131 (IP) - 1137z	21 Jun	NR 0511 CK 1 . . 35 0621 1610 BT Weak	(Remote tuner New Zealand)	JPL	WED

5180	1517 (IP) - 1533z	01 May	(IP)	NR 0511/CCK CK 12. 33 0501 2319 RMKS 3439 TO 3424 K	JPL	MON
	(Via Remote New Zealand)			NR 0501/CCK CK 49 33 0501 2329 RMKS 3424 TO 3439 K	JPL	MON

7553//9153 Call sign XSV70

0951 (IP) - 1007z	01 May	NR 361 CK 131 35 0501 0718	(Remote tuner New Zealand)	JPL	MON
0909 (IP) - 0923z	01 Jun	NR 455 CK 96 35 0601 1536	(Remote tuner New Zealand)	JPL	THU
		NR 456 CK 170 35 0601 1536		JPL	THU
0954 (IP) - 1005z	13 Jun	NR 393 CK 122 35 0613 0723	(Remote tuner New Zealand)	JPL	TUE
0952 (IP) - 0953z	15 Jun	37U 4T3 N3D 4A7 445 ..ZNN SK (No header logged)	(Remote tuner New Zealand)	JPL	THU
1326 (IP) - 1336z	22 Jun	NR 525 CK 161 35 0622 1544	(Remote tuner New Zealand)	JPL	THU

7554 Call sign XSV70

0931 - 0952z	30 May	NR 450 CK 179 35 0530 1545	(Remote tuner China)	JPL	TUE
		NR 447 CK 1.9 35 0530 0658		JPL	TUE

8073 Usual format is Initial call-up in voice USB, then to digital 4+4 mode LSB, finally, switching to CW
CW call-up is **V BNGC (x3) DE XSV85 (x2)** All logged via Remote tuner New Zealand unless stated.

1130 - 1144z	01 May	NR 0376 CK 99 35 0501 1553 BT		JPL	MON
1132 - 1138z	05 May	NR 0384 CK 147 35 0505 1605 BT		JPL	FRI
1142 - 1145z	08 May	NR 0390 CK 123 35 0508 1558 BT		JPL	MON
1137 (IP) - 1138z	21 May	NR 0416 CK 135 35 0521 1540 BT		JPL	SUN
0010 (IP) - 0034z	31 May	NR 0443 CK 104 35 0531 0713 BT	(Remote tuner China)	JPL	WED

			NR 0442 CK 51 35 0531 0715 BT		JPL	WED
	1139 - 1141z	11 Jun	NR 0482 CK 46 35 0611 1554 BT		JPL	SUN
	0009 - 0020z	22 Jun	NR 0512 CK 101 35 0622 . . 48 BT	(Remote tuner China)	JPL	THU
9018	XSV70					
	1007 - 1007z	30 May	05 05 76DN 05 05 05 05 05 67DD	(Remote tuner China)	JPL	TUE
9054	Call sign XSV85 All logged via Remote tuner New Zealand unless stated					
	(See also 4243//9054kHz listing)					
	0835 (IP) - 0854z	01 Jun	NR 029 CK 19 35 0601 1431 BT		JPL	THU
			NR 093 CK 23 35 0601 1559 BT		JPL	THU
			NR 02 CK 162 35 0601 1610 BT		JPL	THU
	2347 (IP) - 2349z	12 Jun	NR 028 CK 17 35 0613 0555 BT	(Remote tuner China)	JPL	MON
			NR 052 CK 19 35 06A3 0647 BT		JPL	MON
			NR 25 CK 064 35 0613 0703 BT		JPL	MON

M95 9054kHz 11410z (IP) 13 June 2017

(In Chinese digital 4+4 QPSK 75/3000 - LSB - 1141z)

VV (1148z - Switched to CW)

HR MSG TO YR PSE CY
NR 053 18 35 0613 1508 BT
5TD UTT TA3 3U6 4T4 35T (Cont'd – 1150z)
AR MSG AGN
NR 053 18 35 0613 1508 BT
5TD UTT (Cont'd – 1152z)
AR
A HR MSG GA
NR 26 155 35 0613 1623 BT
... 33. T5 3A4 TTU 773

(Cont'd – Unable to monitor any longer – 1154z)

M95 7553//9153kHz 0954z (IP) 13 June 2017

CK 112 35 0613 0723 (IP – Machine sent – 0954z)
UU5 UT3 TA3 3U4 TT4 773 353 (Cont'd – 0955z)
MSG AGN
NR 393 CK 122 35 0613 0723
UU5 UT3 TA3 3U4 TT4 773 (Cont'd repeat message – 1000z)
ZNN SK (1005z)

Courtesy JPL

M95 9054kHz 1138z (IP) 21 June 2017

(In voice - USB - Chinese - Female - 1138z)

(Into Chinese digital 4+4 QPSK 75/3000 - LSB - 1141z)

VVV (Switched to CW - 1147z)

HR 7G TO YR PSE CY (1147z)
NR 69 CK 18 35 0621 1452 BT
5TD UTT TUA 3U6 3A4 356 3T4 4T7 U7U N4A
444 3DA TTU TT3 773 435 3DA 4D4 AR
7G AGN
NR 69 CK 18 35 0621 1452 BT (Repeats msg – 1148z)
AR
A HR 7G GA
NR .. CK 16 35 0621 1... BT
(Digital signal just came up – unable to copy – 1151z)
AR (1152z)
7G AGN
NR 054 CK 16 35 0621 1610 BT
UT5 TUA 3U6 3A4 TTA TTU TT3 773 353 DN7
35U 36U 4AD 445 4DU A3DA AR (1153z)
A HR 7G GA
NR 42 CK 132 35 0621 1625 BT
UTU .UT 3U6

(Cont'd – 1153z – Unable to monitor any longer)

Courtesy JPL

Marker Beacons (MX MXI)

Beacon on 3204.9kHz

On Wednesday, 07 June, André (F5JBR) was listening to "RJD69" on 3241 kHz:in contact with several ships of the Russian fleet.

On 3240.9 kHz: there was a marker sounding like "D". This was also audible the following morning at 0950z. Brian (BR), was able to confirm this on 09 June at 2123z via the Twente SDR.

Hugh Stegman, from Utility Planet noted the timing of the beacon was a bit off, & sounded more like a 'B' rather than a 'D', & had noted this beacon reported as "Fazan-37".

Noted as still present & active - with the same uneven timing on Thursday, 29 June at 0017z

Other Beacon Logs:

4150	2010z	18 May	MX CW Beacon "V" Khiva, Uzbekistan	(Remote Silec, Poland)	E.SMITH	THU
	2131z	24 Jun	MX CW Beacon "V"	(Remote Silec, Poland)	E.SMITH	SAT
5094	1922z	16 Jun	MX CW Beacon "V"		E.SMITH	FRI

5153.8	0938z	28 Jun	MXI CW Beacon "P" Kaliningrad		E.SMITH	WED
8821	1032z	30 Jun	MX CW Beacon "P"		E.SMITH	FRI
9442	0903z	24 Jun	MX CW Marker "P" Channel Marker		E.SMITH	FRI
13528.2	0608z	28 Jun	MXI CW Beacon "F" Vladivostok		AB	WED
13528.4	0608z	28 Jun	MXI CW Beacon "M" Magadan		AB	WED
16332.2	0500z	06 May	MXI CW Beacon "F" Vladivostok	Via SDR Japan	E.SMITH	SAT
16332.4	0500z	06 May	MXI CW Beacon "M" Magadan	Via SDR Japan	E.SMITH	SAT

Contributors: AB, AnonUS, BR, CB, E, E.SMITH, F5JBR, Gert, HFD, Hugh Stegman, JPL, PoSW *Thank you all for your logs.*

Voice Stations

E06

E06 May/June log:

First /Third Thursday (repeats Friday) 0500z 14565 kHz 0600z 16125 kHz

04/05 & 18/05 '460' 981 52 10273 40571 13449 82043 57494 79420 48639 98946 27926 66885 91318 83167 23360 16793 09917 48313 44144 67381 53116 00272 07095 14616 35196 57686 16631 11625 51948 25264 00073 88931 00588 87104 43035 75172 02112 12239 85858 23000 49538 89556 67010 69838 30457 34318 24394 88197 97331 33441 90513 05223 84006 21733 981 52 00000

0500z 13985kHz 0600z 15830kHz

01/06 & 15/06 '328' 614 57 57541 58014 19983 15973 23183 04681 95518 68603 64378 99326 01031 02419 88834 19121 90607 18468 85605 64004 12269 73435 95989 04902 17778 86852 96239 91013 67858 10945 65521 83378 68760 57209 37568 06898 01110 84424 59468 37996 26988 77767 06010 70118 86159 73736 23033 24250 17407 10557 98231 96636 65898 08771 82818 60901 62526 11680 12522 614 57 00000

First/Third Thursday of month 2030z 5933 kHz

04/05 '724' 273 62 64537 27364 28374 34736 39291 27384 37438 28372 27480 94832 74563 38458 83492 29310 18237 74391 37281 17283 84032 72362 84393 67482 56464 69738 26491 32642 13794 83842 23810 47131 95437 82683 73913 74592 43618 74932 74924 74297 43621 94724 84538 85937 34021 83929 90184 72641 84829 74826 48231 83732 72642 85914 38539 34752 75392 83482 75637 73892 95736 64612 84759 76491 273 62 00000

01/06 '724' 149 52 12265……95732 149 52 00000] 2042z S9 used 5936kHz

Friday following First & Third Thursday 2130z 5733 kHz

05/05 '315' 289 54 12345 89657 45632 75684 95463 84567 06854 84657 91745 19567 85674 82821 85674 21972 91297 27890 84672 74284 73581 83861 74581 91248 17671 41812 97128 90486 43716 47534 85494 24353 91486 17410 97272 49191 04171 42468 12893 89758 43673 48727 51534 87281 87462 64874 74728 87284 84926 82941 81749 92471 67578 64618 84021 72492 289 54 00000

19/05 '315' 746 68 73631 85189 12389 18926 97147 35942 89458 71126 82354 61326 53874 57126 97347 12835 68458 32538 58128 32469 65914 39726 24673 25847 36895 84370 98356 98284 32878 94676 87128 37451 62367 43674 53297 26589 43896 42897 16317 36837 54651 26753 67458 37165 69126 98469 21693 26547 13287 45681 56645 87248 71694 36916 89596 47375 26356 32437 54564 75328 74326 49619 75687 21283 74554 36815 43287 54187 54387 12845 746 68 00000 (back using 5731kHz) Gert

02/06 '315' 149 52 12265……..95732 149 52 00000] 2142z used 5731kHz

Unscheduled:

03/05 **1600/1700z 16030/13489 kHz**
'216' 483 57 14531 48573 44157 99858 46786 46109 04064 15105 74524 07081 44048 09321 10348 76209 71296 11289 37392 40344 50879 75538 49190 46515 89805 71360 38458 64627 44214 87535 64497 43215 91905 63720 53896 31700 37386 84441 14221 67593 41628 96615 65379 52075 93710 36545 18354 62392 66561 77325 55978 74507 23946 32597 95457 94436 70935 77586 37311 Daniel

1000z 8172kHz

20/06 '825' 961 47 48821 97056 04147 24639 54795 81357 04727 57595 43189 08103 95836 67531 02199 36806 42688 93761 69678 38162 80863 99721 65412 99146 60548 87874 34415 83287 66642 94022 87210 75800 63185 03191 48020 68273 35543 54284 46797 62596 28774 25704 16046 98804 05637 19102 78365 36548 72654 961 47 00000] 1012z Ed Smith TUE

E06b

10/05 1900z 10755 kHz: 975 975 975 34301

PoSW's E06 offering:

First + Third Thursdays in the Month 2030 UTC – plus or minus - Schedule:-

4-May-17:- In progress when tuned in just after the half-hour, 5,933 kHz, calling "724".
Expected it to be on 5,948, the frequency used in the summer months in the past few years, which resulted in difficult copy due to the strong broadcast station on 5,950. Looks as if someone has realised this and moved E06 a bit lower to a clear frequency. DK/GC "273 273 62 62", so a change from the message consisting of 52 5F groups which has been used for the past five or six months.

18-May-17:- 5,952 kHz, interference from broadcast stations on both sides of this frequency, difficult copy, DK/GC "746 746 68 68", so not the same as on the 4th.

1-June-17:- 5,936 kHz, calling "724", DK/GC "149 149 52 52", that well-used message is back, over S9.

15-June-17:- 5,934 kHz, "724" and "149 149 52 52", over S9, ended just before 2042 UTC, the group count spoken twice as per usual with this format, and as noted on past occasions no gap between so heard as "5252". Computer "chime" heard at 2042:30s UTC then hum until a bit before 2044.

Friday 2130 UTC Schedule Following First + Third Thursdays in the Month:-

5-May-17:- started about 20 seconds before the half hour, 5,733 kHz, call "315", DK/GC "289 289 54 54", again not the much used message of 52 groups, but not the same as yesterday's 2030z transmission.

19-May-17:- 2129:48s UTC, 5,731 kHz, "315", DK/GC "746 746 68 68", same as yesterday's 2030z transmission. Over S9 on a clear frequency.

2-June-17:- started on the half-hour, 5,731 kHz, call "315", DK/GC "149 149 52 52" the return of the message used for several months.

16-June-17:- 2129:12s UTC, 5,731 kHz, "315" and "149 149 52 52" again, over S9.

E07

Logs from PoSW

Sunday + Wednesday Schedule, 1700 UTC Start:-

3-May-17, Wednesday:- 1700 UTC, 14,763 kHz, "731 731 731 000", S7, audio low but readable.
1720 UTC, 13,363 kHz, second sending, stronger signal indicating over S9.

7-May-17, Sunday:- 1700 UTC, 14,763kHz, "731 731 731 000", over S9 with better than usual audio.

10-May-17, Wednesday:- 1700 UTC, 14,763 kHz, "731 731 731 000", over S9 with reasonable audio.
1720 UTC, 13,363 kHz, also over S9.

14-May-17, Sunday:- 1700 UTC, 14,763 kHz, and 1720 UTC, 13,363 kHz, both S6 to S7, "731 731 731 000".

17-May-17, Wednesday:- 1700 UTC, 14,763 kHz, and 1720 UTC, 13,363 kHz, both S9, "731 731 731 000",

24-May-17, Wednesday:- 1700 UTC, 14,763 kHz, "731 731 731 1" for a "full message" for a change. Difficult copy due to low audio and deep QSB.
1720 UTC, 13,363 kHz, DK/GC "803 65" x 2.
1740 UTC, 12,163 kHz, third sending, over S9 with better than usual audio.

7-June-17, Wednesday:- 1700 UTC, 14,842 kHz, "841 841 841 000", over S9 with reasonable audio.
1720 UTC, 13,442 kHz, second sending, S9. Both transmissions had a low-level audio tone which dropped slightly in frequency on speech peaks.

11-June-17, Sunday:- 1700 UTC, 14,842 kHz, weak signal with low audio, could just make out the "000" of a "no message" sending, carrier went QRT at approx 1702:30s UTC.
1720 UTC, 13,442 kHz, much stronger signal, over S9, "841 841 841 000", the faint audio tone noted as before.

18-June-17, Sunday:- 1700 UTC, 14,842 kHz, and 1720 UTC, 13,442 kHz, both S9 with better than usual audio – and with the underlying audio tone, "841 841 841 000".

Monday + Wednesday SSB Schedule, 1900 UTC Start:-

1-May-17, Monday:- 1922 UTC, just before, 15,872 kHz, found the second sending of this schedule with just a few seconds to go, "483 483 483 000", S9 SSB signal.

3-May-17, Wednesday:- 1900 UTC, 17,472 kHz, "483 483 483 000", weak signal.
1920 UTC, 15,872 kHz, second sending, much stronger signal, S9.

8-May-17, Monday:- 1900 UTC, 17,472 kHz, "483 483 483 000", S5 at best.
1920 UTC, 15,872 kHz, second sending, over S9.

10-May-17, Wednesday:- 1900 UTC, 17,472 kHz, "483 483 483 000", weak signal.
1920 UTC, 15,872 kHz, second sending, much stronger, S8 to S9.

17-May-17, Wednesday:- 1900 UTC, 17,472 kHz, "483 483 483 000", S4 to S5.
1920 UTC, 15,872 kHz, second sending, S8.

29-May-17, Monday:- 1900 UTC, 17,472 kHz, and 1920 UTC, 15,872 kHz, both weak signals, "483 483 483 000".

31-May-17, Wednesday:- 1900 UTC, 17,472 kHz, "483 483 483 000", peaking S7, stronger than usual for this first sending.
1920 UTC, 15,872 kHz, second transmission, S8.

7-June-17, Wednesday:- 1900 UTC, 16,328 kHz, "384 384 384 000", over S9.
1920 UTC, 14,828 kHz, second sending, S9+. Same frequencies as in June last year which saw the change from AM to SSB.

12-June-17, Monday:- 1900 UTC, 16,328 kHz, “384 384 384 000”, S5 at best.
1920 UTC, 14,828 kHz, second sending, much stronger, S9+.

14-June-17, Wednesday:- 1900 UTC, 16,328 kHz, “384 384 384 000”, weak signal.
1920 UTC, 14,828 kHz, peaking S9. This schedule seems to be stuck in “no message” mode.

26-June-17, Monday:- 1900 UTC, 16,328 kHz, “384 384 384 1”, weak signal, difficult copy.
1920 UTC, 14,828 kHz, second sending, DK/GC “696 91” x 2, S4 at best.
1940 UTC, 13,428 kHz, third sending, peaking S9, by far the best transmission of the three.

Thursday Schedule, 2010 UTC Start:-
4-May-17:- 2010 UTC, 11,539 kHz, “553 553 553 000”, over S9.
2030 UTC, 10,547 kHz, second sending, slightly weaker.

11-May-17:- 2010 UTC, 11,539 kHz, and 2030 UTC, 10,547 kHz, “553 553 553 000”, both transmissions over S9, reasonable audio except that there appeared to be some breaking up on the first “five” of each “553.....” .

25-May-17:- 2010 UTC, 11,539 kHz, “553 553 553 1” for a “full message”, appeared to go off air for a second two so unless it was a particularly deep fade, otherwise over S9 with reasonable audio. DK/GC “915 57” x 2.
2030 UTC, 10,547 kHz, second ending.
2050 UTC, 9,388 kHz, difficult copy due to strong BC station on 9,390.

1-June-17:- 2010 UTC, 12,213 kHz, “273 273 273 1”, DK/GC “915 57” x 2, looks like the same message as on 25-May.
2030 UTC, 10,714 kHz, second sending, over S9 with reasonable audio, weaker FSK signal on close frequency.

8-June-17:- 2010 UTC, 12,213 kHz, first sending unreadable due to S9+ wide-band buzz signal extending from approx 12,200 to 12,235 kHz; this unpleasant noise can usually be found somewhere on the short-wave band at just about any time of day, presumed to be someone's over-the-horizon radar.
2030 UTC, 10,714 kHz, second sending, “273 273 273 000”, S9 with QSB, the weaker FSK signal still close by; and a faint audio tone in the background, varied in frequency with the speech, similar had been observed on the Wednesday 7-June E07 AM transmission at 1700 UTC.

15-June-17:- 2010 UTC, 12,213 kHz, “273 273 273 1” for a full message, DK/GC “131 75” x 2, over S9 with better than usual audio.
2030 UTC, 10,714 kHz, second sending, also over S9.
2050 UTC, 9,347 kHz, third sending, again over S9. That faint audio tone in the background still there, noted on all three transmissions.

22-June-17:- 2010 UTC, 12,213 kHz, “273” and “131 75” again, peaking S9.
2030 UTC, 10,714 kHz, and 2050 UTC, 9,347 kHz, repeats, the underlying audio tone still there.

Saturday + Sunday SSB Schedule, 0600 UTC Start:-
6-May-17, Saturday:- 0620 UTC, 10,264 kHz, “024 024 024 000”, S9+, very strong signal.

7-May-17, Sunday:- 0600 UTC, 9,064 kHz, “024 024 024 000”, S9.
0620 UTC, 10,264 kHz, second sending, also S9.

13-May-17, Saturday:- 0600 UTC, 9,064 kHz, “024 024 024 000”, S9 signal.
0620 UTC, 10,264 kHz second sending, slightly weaker.

20-May-17, Saturday:- 0600 UTC, 9,064 kHz, “024 024 024 000”, S9.
0620 UTC, 10,264 kHz, weaker.

Onto other logs with repetition:

Sunday/Wednesday

May 2017

1700z	**14763kHz**	**1720z**	**13363kHz**	**1740z**	**12163kHz**	
07/05	731 000					Very strong
10/05	731 000					Very strong
14/05	731 000					Weak audio, strong carrier
17/05	731 000					
24/05	731 1 803 65 69267……..93386 000 000					Fair
28/05	731 000					Weak
31/05	731 000					V.Strong / Fair/V.Strong

June 2017

1700z	**14842kHz**	**1720**	**13442kHz**	**1740z**	
04/06	841 000				
07/06	841 000				Very strong

11/06	841 000				Weak
14/06	841 000				Fair/Strong
18/06	841 000				Strong
21/06	841 000				Fair
28/06	841 000		[NRH on 14842kHz]		Strong

Sunday/Saturday

May 2017

0600z	**9064kHz**	**0620z**	**10264kHz**	**0640z**	**11464kHz**	
06/05	024 000					Very strong
07/05	NRH					
13/05	024 000					Very strong
14/05	024 000					Very strong
20/05	024 000		Strong STANAG 4285 QRM on 10264kHz			
27/05	024 000					Good/Strong
28/05	024 000					

June 2017

0600z	**9064kHz**	**0620z**	**10264kHz**	**0640z**	**11464kHz**	
04/06	024 000					Good
10/06	024 1 327 74 53499 69083 .... 97340 57842 000 000				USB	

024 024 024 1 327 74 327 74
53499 69083 99014 02746 34169 64007 22629 86036 70778 47508
93865 46678 12691 32182 57791 19907 85825 84233 55377 69979
62314 38718 12399 58439 77440 23323 39704 18059 15642 72907
41770 21250 22246 06961 32215 67275 56811 29144 61829 68668
09112 61685 73354 26935 29075 39773 70296 82562 82959 80051
47567 18946 83573 10294 25053 26409 63613 18095 09969 81476
56769 42509 04524 05112 27969 02081 44339 23455 58112 12921
22626 64904 97340 57842
000 000 *Courtesy Ary*

11/06	024 1 327 74 53459 ... 57842 000 000		
17/06	024 1 327 74 53499 ... 57842 000 000	[0600/0620z, weak, noisy unworkable]	Strong
24/06	024 1 327 74 53499 ... 57842 000 000	[0620z XJTQRM5]	Fair
25/06	024 1 327 74 53499 ... 57842 000 000		Weak, noisy

Monday/Wednesday

May 2017

1900z	**17472kHz**	**1920z**	**15872kHz**	**1940z**	
01/05	483 000				Very strong
08/05	483 000				Very strong
10/05	483 000				Very strong
24/05	483 000				Very strong
29/05	483 000				Weak/Fair
31/05	483 000				Very strong

June 2017

1900z	**16328kHz**	**1920z**	**14828kHz**	**1940z**	**13428kHz**	
05/06	384 000					Very strong
07/06	384 000					
12/06	384 000					Good/Very strong

14/06 384 000 Good

19/06 328 000 Very strong

21/06 384 000 Fair

26/06 384 1 696 91 90711……76874 000 000 Weak/Good/V.Strong

28/06 384 1 696 91 90711……..... 76874 000 000 Fair/Fair/Strong

Tuesday/Friday

May 2017

1100z 19659kHz 1120z 17459kHz 1140z 16159kHz

02/05 641 1 9868 72 78171....

05/05 641 1 9868 72 78171 ... 57216 000 000 [1100z NRH]

16/05 641 000

23/05 641 1 6461 121 25554 ..... 07875 000 000 Received via websdr in Sweden. Weak

641 641 641 1 6461 121
25554 98851 68004 12741 82498 31581 03933 13958 82510 10292
62091 07765 81300 24200 27598 69836 00073 48080 07591 78916
11787 08880 25554 94392 19494 19148 47687 35796 41274 17225
84908 27173 47813 42753 66977 14421 64305 33449 67348 78369
82316 08192 87980 79458 83118 53898 47420 86877 63742 35209
90818 17766 41450 51508 27538 04158 09890 11274 01813 30250
00292 04995 61503 10069 46647 67031 53654 78994 44615 30574
92392 36829 09972 20046 04113 10175 55902 09946 91229 95900
89595 01535 70404 96796 13318 34450 32152 16403 06224 70325
48818 29517 00239 86823 59576 48459 56635 31608 41329 80397
81211 01704 46741 30924 05063 05741 89319 90814 98077 58310
74062 67506 87496 87732 74550 65045 50223 85139 36868 20319
07875 000 000 Courtesy Gert

26/05 641 1 6461 121 25554 98851 ….. 20319 07875 000 000

June 2017

1100z 18637kHz 1120z 17437kHz 1140z 15837kHz

06/06 648 000

09/06 648 000

13/06 648 1 319 155 08816……..53605 000 000 Fair

648 1 319 155
08816 86577 41127 75274 23927 48125 59262 95392 26565 09051
75753 52585 07069 31911 95246 71449 21820 44718 38039 37903
67857 25123 73073 49915 34259 23068 67018 24055 73309 20323
88043 03484 75023 39335 22044 08499 51782 74222 55281 42108
95105 83570 47703 88790 31613 57599 96735 99394 91934 60426
69933 85569 69026 18410 10784 81384 13230 04418 32318 46106
83416 24930 68457 41913 73278 61749 31438 30879 35457 47702
23178 81639 65641 63535 58862 25621 78308 06621 36228 63295
53599 82191 40922 12193 06992 21970 40960 08946 04269 39634
54209 52730 43281 57850 99458 94019 81592 89496 12206 66337
97504 25129 21308 53657 21768 41966 16713 19140 48066 20278
97622 83509 20130 10921 67908 81183 40416 13471 96683 37470
46772 04137 08157 49169 68420 23118 81919 19242 96319 02214
69516 65542 23960 66876 01679 44659 90164 02071 60560 06280
95169 94722 24287 96497 15479 99593 93343 50659 46639 59551
15947 55393 22412 12178 53605 000 000 *Courtesy E.SMITH*

16/06 648 1 319 155 08816 86577 …... 12178 53605 000 000

20/06 648 000 Good

27/06 648 1 7647 121 07734……..47643 000 000 Fair/Good

30/06 648 1 7647 121 07734 32333 …... 96000 47643 000 000

Thursday

May 2017

2010z 11539kHz 2030z 10547kHz 2050z 9388kHz

04/05 553 000 Weak audio, strong carrier

11/05 553 000 Fair audio, strong carrier

25/05 553 1 915 57 38257…….30834 000 000 Strong

June 2017

2010z	**12213kHz**	**2030z**	**10714kHz**	**2050z**	**9347kHz**		
01/06	273 1 915 57 28257……30834 000 000						Strong
08/06	273 000						Good
22/06	273 1 131 78 73911……73939 000 000						Good/Strong
29/06	273 000						Good/Strong

Friday/Saturday

May 2017

1100z	**18659kHz**	**1120z**	**17459kHz**	**1140z**			
09/05	641 000						
13/05	641 000						
30/05	641 000					(18659kHz NRH)	Fair

June 2017

1100z	**18637kHz**	**1120z**	**17437kHz**	**1140z**	**15837kHz**		
02/06	648 000						
06/06	648 000						
23/06	648 000						Fair
30/06	648 1 7647 121 07734……47643 000 000						Weak/Fair

E07a

Wednesday

May 2017

2000z	**12166kHz**	**2020z**	**10766kHz**	**2040z**	**9266kHz**		
03/05	172 1 33420 928 49 82616 ... 80775 000 000					[2020z Weak, noisy]	Very strong
10/05	172 000						Very strong, noisy
17/05	172 000						
24/05	172 1 66168 3135 53 92995……34840 000 000						Very strong
31/05	172 1 66168 3135 53 92995…...……34840 000 000						Strong

June 2017

2000z	**12166kHz**	**2020z**	**10766kHz**	**2040z**	**9266kHz**		
07/06	172 000						Very strong
14/06	172 000						Good/Very strong
21/06	172 1 35147 758 51 39978……76902 000 000						Very strong
28/06	172 1 35147 758 51 39978…….. 76902 000 000						Strong/Very strong

Thursday

May 2017

0430z	**7933kHz**	**0450z**	**9133kHz**	**0510z**	**10233kHz**		
04/05	912 1 33420 928 49 82616 ... 80775 000 000						Very strong

912 1 33420 928 49
82616 15473 00498 61918 65505 95754 09418 23550 00401 38339
27305 93615 91570 12607 83842 79411 86654 30405 98310 77660
24127 89110 68809 90314 36459 07467 41718 88858 43816 54492
11054 49107 63750 70454 14465 36697 62316 74507 49587 30401
41970 78124 79182 72308 61105 40110 80388 83504 80775
000 000 *Courtesy F5JBR*

11/05	912 000						Very strong, noisy
18/05	912 000						

25/05 912 1 66168 3135 53 92995 66951 ….. 16165 34840 000 000

912 1 66168 3135 53
92995 66951 33164 92246 91820 55141 37591 62533 93690 02924
36416 41411 98608 69816 05029 49502 04608 25055 58053 19889
07625 96201 66180 66105 56371 67679 77303 19447 62866 16874
90640 66116 14117 74035 62737 82368 42702 96606 38042 57670
50843 87572 75720 88371 58543 77549 50263 38374 54250 99204
83011 16165 34840 000 000 *Courtesy E.SMITH*

June 2017

0430z	**7933kHz**	**0450z**	**9133kHz**	**0510z**	**10233kHz**		
01/06	912 1 66168 3135 53 92995 66951 ….. 16165 34840 000 000						
08/06	912 000						
15/06	912 000					[0450z Weak]	Very strong
22/06	912 1 35147 758 51 39978 ... 76902 000 000						Very strong

912 1 35147 758 51
39978 94229 92939 63905 03025 89898 77217 92296 63438 90624
24392 69993 43158 83735 23523 93989 24527 07398 87107 40670
45500 30586 29147 06605 93967 65332 47604 20081 48138 14793
21009 11408 71879 03976 35032 51924 04708 66909 80980 30147
76399 44980 45057 42734 54493 11934 21758 11557 24167 14723
76902 000 000 Courtesy Ary

29/06 912 1 35147 758 51 39978 94229 ….. 14723 76902 000 000

Friday

May 2017

1510z	**12182kHz**	**1530z**	**11082kHz**	**1550z**	**10182kHz**	
05/05	101 000					Weak
12/05	101 000					Weak
26/05	101 000					Good

June 2017

1510z	**12182kHz**	**1530z**	**11082kHz**	**1550z**	**10182kHz**	
02/06	101 000					Good
09/06	101 000					Strong
16/06	101 000					Good signal/Audio
23/06	101 000					Strong
30/06	101 000					Fair/Good

Saturday

May 2017

0800z	**12177kHz**	**0820z**	**13477kHz**	**0840z**	**14877kHz**	
06/05	148 000					Fair
13/05	148 000					Fair
20/05	148 000					
27/05	148 000					Fair/Strong

June 2017

0800z	**13373kHz**	**0820z**	**14373kHz**	**0840z**	
03/06	338 000				Fair/Good
10/06	338 000				Fair
17/06	338 000				Good
24/06	338 000				Strong

PoSW's take on E07a

Saturday Schedule, 0800 UTC Start:-
6-May-17:- 0800 UTC, 12,177 kHz, “148 148 148 000”, S8 to S9.

0820 UTC, 13,477 kHz, second sending, slightly weaker signal, interference from the rapidly sweeping carrier which resides here.

13-May-17:- 0800 UTC, 12,177 kHz, and 0820 UTC, 13,477 kHz, “148 148 148 000”.

20-May-17:- 0800 UTC, 12,177 kHz, “148 148 148 000”, S6.
0820 UTC, 13,477 kHz, weak signal.

27-May-17:- 0800 UTC, 12,177 kHz, and 0820 UTC, 13,477 kHz, both S7, “148 148 148 000”.

3-June-17:- 0800 UTC, 13,373 kHz, “338 338 338 000”, S7.
0820 UTC, 14,373 kHz, second sending, slightly weaker signal.

10-June-17:- 0800 UTC, 13,373 kHz, and 0820 UTC, 14,373 kHz, both S6 to S7, “338 338 338 000”.

Wednesday Schedule, 2000 UTC Start:-
3-May-17:- 2000 UTC, 12,166 kHz, “172 172 172 1 33420” for a “full message”, DK/GC “928 49” x 2, S9+, very strong signal.
2020 UTC, 10,766 kHz, second sending, S9+.
2040 UTC, 9,266 kHz, third sending also S9+.

10-May-17:- 2000 UTC, 12,166 kHz, and 2020 UTC, 10,766 kHz, both around S9, not as strong as last Wednesday, “172 172 172 000”.

24-May-17:- 2000 UTC, 12,166 kHz, “172 172 172 1 66168”, full message tonight, DK/GC “3135 53” x 2, S9+.
2020 UTC, 10,766 kHz, and 2040 UTC, 9,266 kHz, repeat transmissions, both also S9+.

31-May-17:- 2000 UTC, 12,166 kHz, “3135 53” message as last time, indicating S9 on the S-meter. Missed the two repeats.

7-June-17:- 2000 UTC, 12,166 kHz, “172 172 172 000”, S9+.
2030 UTC, 10,766 kHz, second sending, also S9+.

E11 log May/June

4783kHz	1605z	09/05 [237/00] Out 1608z S5	Malc	TUE
	1605z	14/05 [230/00] Out 1608z S2	Malc	SUN
	1605z	16/05 [233/00] Out 1608z S3	Malc	TUE
	1605z	28/05 [238/00] Out 1608z S2	Malc	SUN
	1605z	30/05 [235/00] Out 1608z S3	Malc	TUE
	1605z	06/06 [237/00]	Thomas	TUE
	1605z	11/06 [236/00] Out 1608z	Thomas	SUN
6280kHz	0820z	04/05 [431/00]	RNGB	THU
	0820z	08/05 [432/00] Out 0823z S4	Malc	MON
	0820z	15/05 [431/00] Out 0823z S2	Malc	MON
	0820z	29/05 [430/00] Out 0823z S3	Malc	MON
	0820z	01/06 [436/00] Out 0823z S2	Malc	THU
	0820z	05/06 [438/00] Weak	RNGB	MON
	0820z	08/06 [438/00] Out 0823z S8	Malc	THU
	0820z	12/06 [430/00] Out 0823z S2	Malc	MON
	0820z	15/06 [435/00] Out 0823z S4	Malc	THU
	0820z	22/06 [432/00] Out 0823z S4	Malc	THU
	0820z	26/06 [431/00] Out 0823z S3	Malc	MON
	0820z	29/06 [439/00] Out 0823z S3	Malc, Ed Smith	THU
6304kHz	1205z	02/05 [461/00] Out 1208z	Ed Smith	TUE
	0930z	03/05 [276/00] Out 0933z	Ed Smith	WED
	0930z	04/05 [279/00] Out 0933z	Ed Smith	THU
	1205z	16/05 [461/00] Out 1208z S2	Malc	TUE
	0930z	17/05 [279/00] Out 0933z S3	Malc	WED
	1205z	17/05 [469/00] Out 1208z S3	Malc	WED
	0930z	18/05 [270/00] Out 0933z S7	RNGB	THU
	1205z	23/05 [465/00] Out 1208z	Ed Smith	TUE
	0930z	24/05 [279/00] Out 0933z S3	Malc	WED
	1205z	24/05 [464/00] Out 1208z S2	Malc	WED
	0930z	25/05 [273/00] Out 0933z S2	Malc	THU
	0930z	31/05 [275/00] Out 0933z S3	Malc	WED
	0930z	01/06 [276/00] Out 0933z S2	Malc	THU
	0930z	07/06 [277/00] Out 0933z S2	Malc	WED
	1205z	07/06 [465/00] Out 1208z S2	Malc	WED
	0930z	08/06 [271/00] Out 0933z S3	Malc	THU
	0930z	14/06 [279/00] Out 0933z S2	Malc	WED
	0930z	15/06 [279/00] Out 0933z S2	Malc	THU
	0930z	21/06 [271/00] Out 0933z S2	Malc	WED

	0930z	22/06 [270/00] Out 0933z S2	Malc	THU
	1205z	27/06 [237/00] Out 1208z S2	Malc	TUE
6480kHz	0710z	24/06 [497/00] Out 0713z S2	Malc	SAT
	0710z	25/06 [491/00] Out 0713z S2	Malc	SUN
7469kHz	0450z	26/06 [411/00]	HFD	MON
7600kHz	0530z	01/05 [648/00]	Ary	MON
	0531z	22/05 [640/00] QRM	E	MON
	0530z	01/06 [643/00] Out 0533z	Ed Smith	THU
	0531z	08/05 [647/00]	E	MON
	0530z	15/06 [644/00]	Ary	THU
7984kHz	1730z	06/05 [404/00] Out 1733z S9	Malc, RNGB	SAT
	1732z	13/05 [406/00]	E	SAT
	1730z	17/05 [409/00] Out 1733z S9	Malc	WED
	1731z	20/05 [405/00]	E	SAT
	1730z	31/05 [405/00] Out 1733z S5	Malc	WED
	1730z	03/06 [406/00] Out 1733z S9	E, Malc	SAT
	1730z	07/06 [405/00] Out 1733z S5	Malc	WED
	1730z	10/06 [405/00] Out 1733z S6	Malc	SAT
	1730z	21/06 [406/00] Out 1733z S7	Malc	WED
	1730z	24/06 [404/00] Out 1733z S9	Malc	SAT
8088kHz	1730z	04/05 [418/00]	Ary	THU
	1730z	11/05 [415/00] Out 1733z S7	Malc	THU
	1730z	25/05 [416/00] Out 1733z S4	Malc	THU
	1730z	01/06 [411/00] 1733z Very Strong	Topol, Malc	THU
	1730z	08/06 [415/00] Out 1733z S3	Malc	THU
	1730z	15/06 [412/00] Out 1733z S4	Malc	THU
	1730z	29/06 [414/00] Out 1733z S3	Malc	THU
8530kHz	2000z	05/05 [575/00] Good	RNGB	FRI
	2001z	12/05 [570/00]	E	FRI
	2000z	19/05 [577/00] Out 2003z S7	Malc	FRI
	2000z	02/06 [577/00] Out 2003z S8	Malc	FRI
	2000z	23/06 [575/00] Out 2003z S6	Malc	FRI
	2000z	30/06 [576/00] Out 2003z S5	Malc	FRI
8565kHz	0315z	10/05 [251/00] Out 0315z	Ed Smith	WED
	0315z	31/05 [250/00] Out 0318z	Ed Smith	WED
	0315z	15/06 [279/00] Out 0318z	Ed Smith	THU
	0315z	21/06 [256/00] Out 0318z QRM4 RTTY	Ed Smith, HFD	WED
9079kHz	0805z	21/05 [319/00] Out 0808z S6	Malc	SUN
	0805z	28/05 [315/00] Out 0808z S2	Malc	SUN
	0805z	04/06 [314/00] Good	RNGB	SUN
	0805z	11/06 [315/00]	Thomas	SUN
	0805z	25/06 [316/00] Out 0708z S2	Malc	SUN
9130kHz	2005z	06/05 [369/00] Out 2008z S9	Malc, RNGB	SAT
	2006z	13/05 [369/00]	E	SUN
	2005z	14/05 [367/00] Out 2008z S9	Malc	SUN
	2005z	28/05 [363/00] Out 2008z S4	Malc	SUN
	2005z	03/06 [364/00] Good	RNGB, E	SAT
	2005z	03/06 [364/00] Out 2008z S5	Malc	SAT
	2005z	04/06 [368/00] Out 2008z S7	Malc	SUN
	2005z	10/06 [369/00] Out 2008z S7	Malc	SAT
	2005z	11/06 [363/00] Out 2008z S7	Malc	SUN
	2005z	24/06 [369/00] Out 2008z S4	Malc	SAT
	2005z	25/06 [365/00] Out 2008z S9	Malc	SUN
9510kHz	1910z	21/05 [613/00] Out 1013z S9	Malc	SUN
	1910z	04/06 [618/00] Out 1913z S5 QRM	Malc	SUN
	1910z	11/06 [610/00] Out 1913z S7	Malc	SUN
	1910z	16/06 [616/001 Out 913z S5 QRM	Malc	FRI
	1910z	30/06 [611/00] Out 1913z S7+QRM	Malc	FRI
9610kHz	0745z	08/05 [264/00] Out 0748z S4	Malc, RNGB	MON
	0745z	15/05 [262/00] Out 0748z S3	Malc	MON
	0745z	22/05 [269/00] Out 0748z S2	Malc	MON

	0745z	29/05 [264/00] Out 0748z S2	Malc	MON
	0745z	05/06 [264/00] Out 0748z S3	Malc	MON
	0745z	19/06 [260/00] Out 0748z S2	Malc	MON
	0745z	26/06 [260/00] Out 0748z S3	Malc	MON
10213khz	0600z	01/05 [189/00]	Ary	MON
	0600z	05/06 [189/00] Out 0603z S3	Malc	MON
	0600z	26/05 [188/00] Out 0603z	Ed Smith	FRI
10356kHz	1530z	11/05 [268/00]	Gary H	THU
	1530z	18/05 [269/00]	Gary H	THU
	1530z	25/05 [261/00] Out 1533z S7	Malc	THU
	1530z	01/06 [260/00] Out 1533z S4	Malc	THU
	1530z	08/06 [269/00] Out 1533z S6	Malc	THU
	1530z	22/06 [260/00] Out 1533z S3	Malc, Thomas	THU
	1530z	29/06 [260/00] Out 1533z S3	Malc	THU
10429kHz	0710z	02/05 [630/00]	Ary	TUE
	0710z	05/05 [639/00]	RNGB	FRI
	0710z	09/05 [630/00] Out 0713z S4	Malc	TUE
	0710z	12/05 [639/00]	RNGB	FRI
	0710z	23/05 [635/00] Out 0713z S2	Malc	TUE
	0710z	06/06 [637/00] Good	RNGB	TUE
	0710z	02/06 [637/00] Out 0713z S3	Malc	FRI
	0710z	06/06 [637/00] Out 0710z S2 QRM	Malc	TUE
	0710z	09/06 [630/00] Out 0713z S3	Malc	FRI
	0710z	13/06 [630/00] Out 0713z S2	Malc	TUE
	0710z	16/06 [637/00] Out 0713z S2	Malc	FRI
	0710z	20/06 [633/00] Out 0713z S3	Malc	TUE
	0710z	23/06 [633/00] Out 0713z S2	Malc	FRI
11581kHz	1925z	02/05 [521/00]	RNGB	TUE
	1300z	04/05 [581/00] Out 1303z	Ed Smith	THU
	1300z	06/05 [587/00] Out 1308z S5	Malc	SAT
	1925z	09/05 [528/00] Out 1928z S9	Malc	TUE
	1300z	11/05 [588/00] Out 1303z S3	Malc	THU
	1303z	13/05 [585/00]	E	SAT
	1300z	18/05 [589/00] Out 1303z S7	Malc	THU
	1300z	20/05 [589/00] Out 1303z S5	Malc	SAT
	1925z	25/05 [523/00] Out 1928z S9	Malc	THU
	1925z	30/05 [527/00] Out 1928z S5	Malc	TUE
	1925z	01/06 [523/00] Out 1928z S7	Malc	THU
	1301z	03/06 [**586/40**] 15475….	E	SAT
	1300z	08/06 [587/00] Good	RNGB	THU
	1300z	10/06 [581/00] Out 1303z S6	Malc	SAT
	1925z	13/06 [550/00] Out 1928z S7	Malc	TUE
	1925z	15/06 [551/00] Out 1928z S5	Malc	THU
	1300z	17/06 [589/00] Out 1303z S7	Malc	SAT
	1925z	20/06 [557/00]	Thomas	TUE
	1300z	22/06 [585/00] Out 1303z S8	Malc	THU
	1925z	22/06 [551/00] Out 1928z S7	Malc, Thomas	THU
	1300z	24/06 [587/00] Out 1303z S7	Malc	SAT
	1925z	27/06 [553/00] Out 1928z S3	Malc, RNGB	TUE
	1300z	29/06 [589/00] Out 1303z S3	Malc, E Smith	THU
	1925z	29/06 [556/00] Out 1928z S9	Malc	THU
12397kHz	1000z	02/05 [304/00] Out 1003z	Ed Smith	TUE
	1000z	05/05 [302/00] Out 1003z	Ed Smith	FRI
	1000z	16/05 [308/001 Out 003z S7	Malc, RNGB	TUE
	1000z	19/05 [302/00] Out 1003z S6	Malc	FRI
	1000z	23/05 [305/00] Out 1003z	Ed Smith	TUE
	1000z	26/05 [306/00] Out 1003z S7	Malc	FRI
	1000z	30/05 [305/00] Out 1005z S4	Malc	TUE
	1000z	02/06 [309/00] Out 1003z S9	Malc	FRI
	1000z	06/06 [309/00] Out 1003z S6	Malc	TUE
	1000z	20/06 [308/00] Out 1003z S3	Malc	TUE
	1000z	23/06 [306/00] Out 1003z S3	Malc	FRI
	1000z	27/06 [309/00] Out 1003z S4	Ed Smith, Malc	TUE
	1000z	30/06 [304/00] Fair	RNGB, Ed Smith	FRI
13424kHz	0645z	02/05 [519/00]	RNGB	TUE
	0645z	16/05 [510/00] Out 0713z S3	Malc	TUE

	0645z	18/05 [519/00] Out 0648z S4	Malc	THU
	0645z	23/05 [510/00] Out 0648z S5	Malc	TUE
	0645z	25/05 [514/00] Out 0648z S2	Malc	THU
	0645z	30/05 [517/00] Out 0648z S3	Malc	TUE
	0645z	01/06 [518/00] Out 0748z S3	Malc	THU
	0645z	06/06 [517/00] Out 0648z	Ed Smith	TUE
	0645z	08/06 [515/00] Out 0648z S3	Malc	THU
	0645z	22/06 [510/00] Out 0648z S3	Malc	THU
	0645z	27/06 [515/00] Out 0648z S5	Malc	TUE
	0645z	29/06 [517/00] Out 0648z S2	Malc	THU
13427kHz	0900z	08/05 [532/00] Out 0903z S3	Malc	MON
	0900z	10/05 [537/00] Out 0903z S2	Malc, Ed Smith	WED
	0900z	15/05 [535/00] Out 0903z S3	Malc	MON
	0900z	17/05 [534/00] Out 0903z S5	Malc	WED
	0900z	22/05 [538/00] Out 0903z S3	Malc	MON
	0900z	24/05 [533/00] Out 0903z S3	Malc	WED
	0900z	29/05 [534/00] Out 0903z S3	Malc	MON
	0900z	31/05 [535/00] Out 0903z S7	Malc	WED
	0900z	05/06 [535/00] Out 0903z S3	Malc	MON
	0900z	07/06 [536/00] Out 0903z S3	Malc	WED
	0900z	19/06 [534/00] Out 0903z S4	Malc	MON
	0900z	21/06 [530/00] Out 0903z	Ed Smith	WED
	0900z	26/06 [533/00] Out 0903z S8	Malc	MON
	0900z	28/06 [534/00] Out 0903z S6	Ed Smith, Malc	WED
13537kHz	1225z	01/05 [521/00] Out 1228z S8	Malc	MON
	1225z	05/05 [527/00] Out 1228z S5	Malc, Ed Smith	FRI
	1225z	08/05 [521/00] Good	RNGB	MON
	1225z	22/05 [527/00] Out 1228z S6	Malc	MON
	1225z	29/05 [521/00] Out 1228z S7	Malc	MON
	1225z	02/06 [527/00] Out 1228z S7	Malc	FRI
	1225z	05/06 [527/00] Out 1228z S7	Malc	MON
	1225z	09/06 [524/00] Out 1228z S8	Malc	FRI
	1225z	12/06 [520/00] Out 1228z S4	Malc	MON
	1225z	16/06 [522/00] Out 1228z	Ed Smith	FRI
	1225z	19/06 [521/00] Out 1228z S5	Malc	MON
	1225z	23/06 [520/00] Out 1228z S5	Malc	FRI
13873kHz	1045z	02/05 [577/00] Fair	RNGB	TUE
	1045z	16/05 [579/00] Out 1028z S3	Malc, RNGB	TUE
	1045z	30/05 [575/00] Out 1048z S6	Malc	TUE
	1045z	06/06 [577/00] Out 1048z S5	Malc	TUE
	1045z	20/06 [573/00] Out 1048z	Ed Smith	TUE
	1045z	27/06 [575/00] Out 1048z S7	Malc	TUE
13911kHz	0820z	07/06 [132/00] Out 0823z S5	Malc	WED
	0820z	13/06 [136/00] Out 0823z S5	Malc	TUE
	0820z	14/06 [132/00] Out 0823z S7	Malc	WED
	0820z	27/06 [131/00] Out 0823z S3	Malc	TUE
	0820z	28/06 [133/00] Out 0823z S3	Malc, RNGB	WED
14410kHz	1745z	01/05 [247/00] Out 1748z	Ed Smith, Malc	MON
	1745z	08/05 [249/001 Out 1748z S4	Malc	MON
	1745z	14/05 [242/00]	Gary H, Malc	SUN
	1745z	22/05 [242/00] Out 1748z S3	Malc, Gary H	MON
	1745z	28/05 [244/00] Out 1748z S3	Malc	SUN
	1745z	29/05 [247/00] Out 1748z S2	Malc	MON
	1745z	05/06 [242/00] Out 1748z S7	Malc	MON
	1745z	11/06 [248/00] Out 1748z S7	Malc	SUN
	1745z	12/06 [249/00] Out 1748z S2	Malc	MON
	1745z	26/06 [249/00] Out 1748z S7	Malc	MON
14575kHz	1645z	13/06 [335/00] Out 1648z QSA2 QRM1 QRN1 QSB1	Thomas	TUE
	1645z	20/06 [333/00]	Thomas	TUE
	1645z	27/06 [335/00] Out 1648z S7	Malc	TUE
14865kHz	1705z	06/05 [399/00] Out 1708z S9	E Malc	SAT
	1705z	10/05 [399/00] Out 1708z S8	Malc	WED
	1705z	13/05 [399/00] Out 1708z	E, Ed Smith	SAT
	1705z	24/05 [399/00] Out 1708z S7	Malc	WED
	1705z	27/05 [566/00] Out 1708z S5	Malc	SAT

	1705z	31/05 [390/00] Out 1708z S9	Malc	WED
	1705z	03/06 [390/00] Out 1708z S2	E, Malc	SAT
	1705z	07/06 [393/00] Out 1708z S9+10	Malc	WED
	1705z	10/06 [399/00] Out 1708z	Thomas	SAT
	1705z	21/06 [396/00] Out 1708z S9+10	Malc	WED
	1705z	24/06 [396/00] Out 1708z S9	Malc	SAT
14940kHz	1651z	07/05 [922/00]	E	SUN
	1650z	14/05 [927/00] Out 1653z S8	Malc	SUN
	1650z	19/05 [927/001 Out 653z S2	Malc	FRI
	1650z	21/05 [920/00] Out 1653z S9	Malc	SUN
	1650z	26/05 [926/00] Out 1653z S7	Malc	FRI
	1650z	28/05 [929/00] Out 1653z S2	Malc	SUN
	1650z	02/06 [920/00] Out 1653z S5	Malc	FRI
	1650z	23/06 [922/00] Out 1653z S7	Malc	FRI
	1650z	25/06 [922/00] Out 1653z S3	Malc	SUN
	1650z	30/06 [920/00] Out 1653z S4	Malc	FRI
15720kHz	0745z	31/05 [340/00] Out 0748z S4	Malc	WED
	0745z	02/06 [346/00] Out 0748z S4	Malc	FRI
	0745z	07/06 [348/00] Out 0748z S3	Malc	WED
	0745z	09/06 [343/00] Out 0748z S3	Malc	FRI
	0745z	14/06 [347/00] Out 0748z S4	Malc	WED
	0745z	21/06 [342/00] Out 0748z S7	Malc	WED
15795kHz	1625z	07/05 [977/00] Out 1728z S7	E, Malc	SUN
	1625z	17/05 [979/00] Out 1628z S2	Malc, RNGB	WED
	1625z	24/05 [978/00] Out 1628z S3	Malc	WED
	1625z	31/05 [976/00]	Thomas	WED
	1625z	21/06 [976/00] Out 1628z S5	Malc	WED
	1625z	25/06 [976/00]	RNGB	SUN
	1625z	28/06 [972/00] Out 1628z S4	Malc	WED
15800kHz	0640z	26/06 [940/00]	RNGB	MON
	0640z	28/06 [948/00]	Ary, Ed Smith	WED
15825kHz	1345z	06/05 [918/00] Out 1348z S4 QRM	Malc	SAT
	1345z	16/05 [918/00] Fair	RNGB	TUE
	1345z	23/05 [910/00] Out 1348z KiwiSDR Ukraine.	Ed Smith	TUE
	1345z	27/05 [910/00] Out 1348z S6 QRM	Malc	SAT
	1345z	30/05 [915/00] Out 1348z S4	Malc	TUE
	1345z	03/06 [912/00] Out 1348z S2	Malc	SAT
	1345z	13/06 [915/00] Out 1348z S3	Malc	TUE
	1345z	17/06 [910/00] Out 1348z S2	Malc	SAT
17120kHz	0745z	16/06 [348/00] Out 0748z S4	Malc	FRI
18168kHz	0820z	16/05 [132/00] Out 0823z KiwiSDR Moscow	Ed Smith	TUE
	0820z	17/05 [130/00] Out 0823z S4	Malc	WED
	0820z	23/05 [134/00] Out 0823z S2	Malc	TUE
	0820z	24/05 [136/00] Out 0823z S2	Malc	WED
	0820z	31/05 [133/00] Out 0823z S4	Malc	WED

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4783kHz	1605z	02/05 [231/35 38279 92202 61416 21816 89314 78396 34505.....18627 40500]	Ary	TUE
	1605z	07/05 [231/35 38279……etc.] Repeat of Tuesday	Malc	SUN
	1605z	20/06 [23?/37 79840…….43668] Out 1715z S5	Malc	TUE
	1605z	25/06 [235/37 79840……etc] Repeat of Tuesday	Malc	SUN
6280kHz	0820z	22/05 [436/36 87407……..79365] Out 0830z S2	Malc	MON
	0820z	25/05 [436/36 87407……..etc] Repeat of Monday	Malc	WED
	0820z	19/06 [432/33 41876…….20729] Out 0820z S3	Malc	MON
	0820z	22/06 [432/33 41876 63334 78884 21824 33009 67798 98038……62663 20729]	Ary	THU
6304kHz	0930z	10/05 [279/39 14046 44640 60971 23348 20130 87783…….97744 91691] Out 0940z S2	Malc, Ed Smith	WED
	0930z	11/05 [279/39 14046 44640 60971 23348 20130 87783 72043 …..etc] Repeat of Wednesday	Malc	THU
	1205z	30/05 [463/38 74968……84720] Out 1215z S2	Malc	TUE
	1205z	31/05 [463/38 74968……etc] Repeat of Tuesday	Malc	WED
	1205z	20/06 [469/31 34327……...91075] Out 1214z S2	Malc	TUE
	0930z	28/06 [275/40 47976 41771 87436 97297 99493 68922 73058……79095 63716]	Ary, Ed Smith	WED
	0930z	29/06 [275/40 47976 41771 ….. 79095 63716] Out 0941z	Ed Smith	THU

7600kHz	0530z	23/05 [640/32 20096 64891 ….. 31086 00350] Out 0539z	Ed Smith	THU
	0530z	29/06 [644/35 17410 97377 72602 86012 82777 76678 03003 43665…...77779 34046] Out 0540z	Ed Smith	THU
7984kHz	1730z	24/05 [402/37 52698……..72873] Out 1740z S7	Malc	WED
	1730z	27/05 [402/37 52698……etc] Repeat of Weds	Malc	SAT
	1730z	14/06 [404/39 35926…….37968] Out 1740z S7	Malc	WED
	1730z	17/06 [404/39 35926……etc] Repeat of Wednesday	Malc	SAT
8088kHz	1730z	18/05 [415/39 93151…….54053] Out 1740z S6	Malc	THU
	1730z	22/06 [413/38 36483…… 70863] Out 1740z S4	Malc	THU
8530kHz	2000z	26/05 [575/34 52961 66877 41301 79828 97504 71751 57139……43592 62529] Out 2010z S9	Gary H, Malc	FRI
	2000z	16/06 [574/37 71656……..02451] Out 2010z S9	Malc	FRI
8565kHz	0315z	17/05 [256/32 53463 68558 45618 81484 71416 75285 29712 24413…...37996 99905] Out 0324z	Ed Smith	WED
	0315z	28/06 [250/36 99849 00973 28623 85982 40338 79719 03064 91344.....46502 93602] Out 0320z	Ed Smith	WED
9079kHz	0805z	14/05 [314/37 66313…….84283] Out 0815z S5	Malc	SUN
9130kHz	2005z	20/05 [368/39 88854 81267 34650 78573 24667 22137 83548……21915 77385] Out 2015z S5	Malc	SAT
	2005z	21/05 [368/39 88854……etc] Repeat of Saturday	Malc, Gert	SUN
	2000z	17/06 [363/35 81116…….18223] Out 2015z S7	Malc	SAT
9510kHz	1910z	28/05 [618/37 74371……50710] Out 1920z S4	Malc	SUN
	1910z	23/06 [610/40 43839……13544] Out 1921z S5 QRM	Malc	FRI
	1910z	25/06 [610/40 43839……etc] Repeat of Friday	Malc	SUN
9610kHz	0745z	01/05 [269/38 79867 51422 25677 06540 54027 06406 14477…...67720 52833] Out 0755z	Ed Smith, Malc	MON
	0745z	12/06 [261/34 62503……..22038] Out 0755z S3	Malc	MON
10213kHz	0600z	26/06 [18?/31 83959 40220 10219 07593 02918 35672 68032……13838 99728]	RNGB	MON
10356kHz	1530z	15/06 [261/34 62503…….22038] Out 1540z S5	Malc	THU
10429kHz	0710z	16/05 [635/32 43803 31970 78872 78144 75627 92068 52167……97547 48361] Out 0719z S4	RNGB, Malc	TUE
	0710z	19/05 [635/32 43803……etc] Repeat of Tuesday	Malc	FRI
	0710z	26/05 [638/48 39448……..97558] Out 0723z S3 (Unusual long msg)	Malc	FRI
	0710z	30/05 [632/48 39948…….etc] Repeat of Friday	Malc	TUE
	0710z	27/06 [634/38 73033……80095] Out 0720z S2	Malc	TUE
	0710z	30/06 [634/38 73033 80584 76441 80838 47835 11263 57921……28637 80095] Good	RNGB, Ed Smith	FRI
11581kHz	1925z	16/05 [522/32 84219……..83063] Out 1934z S9	Malc	TUE
	1925z	18/05 [522/32 84219 67110 88145 59888 67483 61889 53287 86599……67380 83063]	Gary H, Malc	THU
	1300z	25/05 [580/32 50027……80035] Out 1310z S5	Malc	THU
	1300z	01/06 [586/40 15475……19589] Out 1310z S5	Malc	THU
	1300z	03/06 [586/40 15475……19589] S7 Repeat of Thursday	Malc	SAT
	1925z	08/06 [558/38 50106 34296 33532 28540 88569 89895 30462……..57080 23890]	Gert	THU
12397kHz	1000z	12/03 [305/33 04853 08092 47963 96030 48430 96057 58942……80855 90236] Out 1010z	Ed Smith	FRI
	1000z	13/06 [306/21 38051 97771 92401 79640 67621 82894 ….90210 71983] Out 1008z S5	RNGB, Malc	TUE
	1000z	16/06 [306/21 38051……etc] Repeat of Tuesday	Malc	FRI
13424kHz	0645z	09/05 [511/37 24934 18914 77735 56653 18932 37051 99793 ……01689 85531] Out 0656z S3	Ed Smith, Malc	TUE
	0645z	11/05 [511/37 24934……..85531] Out 0655z S4	Malc, RNGB	THU
	0645z	13/06 [515/39 04406 39585 22495 42064 00468 28761 77005……12181 67841] Out 0756z	RNGB	TUE
	0645z	15/06 [513/43 78419 03307 14295 29558 90649 31849…….16903 28739] Out 0656z S7	RNGB, Malc	THU
	0645z	20/06 [516/43 78419 03307 ….. 16903 28739] Out 0656z	Ed Smith	TUE
13427kHz	0900z	01/05 [538/40 54551 44819…...10405 76644] Out 0911z	Ed Smith, RNGB	MON
	0900z	03/05 [538/40 54551 44819 44626 76776 77000 95581 80308 42726…..etc] Repeat of Monday	RNGB	WED
	0900z	12/06 [535/33 90847 90625 93560 24145 18660 65377 44249 48586……30882 90037]	Ary	MON
	0900z	14/06 [533/33 90847…..etc] Repeat of Monday	Malc	WED
13537kHz	1225z	19/05 [521/31 93254 71716 52164 84656 42924 97352 53997……60827 64839]	Gert	FRI
	1225z	26/06 [525/37 19146…….03045] Out 1235z S7	Malc	MON
	1225z	30/06 [525/37 19146……..etc] Repeat of Monday	Malc	FRI
13873kHz	1045z	23/05 [575/34 52961 66877 ….. 43592 62529] Out 1055z	Ed Smith	TUE
13911kHz	0820z	21/06 [130/33 01740 22986 93509 32339 87418 47508 94609…...16930 50250] Out 0829z	RNGB, Ed Smith	WED

14410kHz	1745z	15/05 [248/31 36157……..21027] Out 1754z S2 QRM	Malc	MON
	1745z	19/06 [246/31 27705……..67943] Out 1754z S8	Malc	MON
	1745z	25/06 [256/31 27705……etc] Repeat of Monday	Malc	SUN
14865kHz	1705z	17/05 [393/33 96694……96809] Out 1714z S2	Malc	WED
	1705z	14/06 [395/39 69767……...01897] Out 1708z S2	Malc	WED
	1705z	17/06 [395/39 69767……etc] Repeat of Wednesday	Malc	SAT
14940kHz	1650z	05/05 [923/35 05583 15732 09971 29065 04007 32623 87185 28147……62576 71242]	Malc	FRI
	1650z	09/06 [927/31 56896…….95071] Out 1659z S9	Malc	FRI
	1650z	11/06 [927/31 56896…..etc] Repeat of Friday	Malc	SUN
15720kHz	0745z	28/06 [343/31 56157 78988 50099 39433 30813 28094 77610……62938 02839]	Ary	WED
	0745z	30/06 [343/31 56157……etc] Repeat of Wednesday	Malc	FRI
15795kHz	1625z	10/05 [974/34 51200……13141] Out 1635z S6	Malc	WED
	1625z	14/05 [974/34 51200…..….etc] Repeat of Wednesday	Malc	SUN
	1625z	07/06 [972/38 76653……37463] Out 1628z S4	Malc	WED
	1625z	11/06 [972/38 73653…..etc] Repeat of Wednesday	Malc	SUN
15800kHz	0648z	21/06 I.P. [04744 28205 46401 13351 13689 46603 88569 37064 00400 92309 56594 76958 45473 27989 57496 03085 84251 76479 21166 54482 50126 00578 94037 49024 63111 93238 46017 57462 59803 99796 65662 00704] Out 0650z	Ed Smith	WED
15825kHz	1345z	20/06 [910/38 85899…….36532] Out 1355z S6	Malc	TUE
	1345z	24/06 [910/38 85899……etc] Repeat of Tuesday	Malc	SAT
18168kHz	0820z	09/05 [132/39 31840 08372 30730 68090 20084 53193 90241 03766……63931 32826] Strong	RNGB	TUE
	0820z	10/03 [132/39 31840……..etc] Repeat of Tuesday KiwiSDR Moscow.	Ed Smith	WED

E17z

Thursday

May 2017

0800z	**16780kHz**	**0810z**	**12850kHz**		
11/05	674 981 5 07931 98755 84636 45753 64655 981 5 00000		[0800z Unworkable]		Weak
25/05	674 289 5 79961 04322 16527 38305 17303 289 5 00000				Weak

June 2017

0800z	**16780kHz**	**0810z**	**12850kHz**		
08/06	674 231 5 83390 64021 75751 83876 43932 231 5 00000				Weak
15/06	674 298 5 42149 46198 36148 34433 36340 398 5 00000				Weak
22/06	674 298 5 42149 46198 36148 34433 36420 298 5 00000				
29/06	674 00000				Weak

E25

6140kHz 1033z 07/05 [Enta Omri] AM SUN. No message sent. Log courtesy of Parkeerwacht. Ariel, Israel SDR.

6140kHz 1003z 08/05 [570 MESSAGE! 3033 2023 6784 9624 5476 0806 8474 8341 REBEAT. 3033 2023 6784 9624 5476 0806 8474 8341 END OF .MESSAGE. END OF TRANSMISSION]. 1006z AM E.SMITH MON.

6140kHz 1112z 11/05[880 MESSAGE! 4510 6001 7892 2563 5575 6340 2475 3627 5144 4510 REBEAT 4510 6001 7892 2563 5575 6340 2475 3627 5144 4510 END OF MESSAGE. END OF TRANSMISSION]. 1116z AM E.SMITH THU

9550kHz 1010z 18/05 I.P. E25 Test. [Test Tone/Near Eastern Music/Tone] 1120z AM (Via SDR Greece) E.SMITH THU

6140kHz 0758z 13/06 [360 MESSAGE! 6080 8570 4003 6828 7368 3086 8570 9608 REBEAT! 6080 8570] - Cuts out 0800z. Restarts/Continues message 0802z - [4003 6828 7368 3086 8570 9608 END OF MESSAGE. END OF TRANSMISSION]. 0803z

They then transmit the full message again with no technical problems/mistakes. Ariel, Israel SDR. E.SMITH TUE

6140kHz 0803z 13/06 [360 MESSSAGE! 6080 8570 4003 6828 7368 3086 8570 9608 REBEAT! 6080 8570 4003 6828 7368 3086 8570 9608 END OF MESSAGE. END OF TRANSMISSION]. 0806z AM Ariel, Israel SDR. E.SMITH TUE

6140kHz 0744z 21/06 [250 MESSAGE! 7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280 REBEAT! 7243 8011 1280 3586 9112 1368 5207 2477 5125 9644 1280 END OF MESSAGE, END OF TRANSMISSION]. 0748z AM WED. Logged by DMHZ. Ariel, Israel SDR

G06

We start with PoSW's logs

Second + Fourth Thursdays in the Month 1830 UTC - Or Earlier – Schedule:-
11-May-17:- 1829:15s UTC, 6,887 kHz, calling "842", DK/GC "289 289 54 54", not the message of fifty-two 5Fs which has been used for several months - certainly since the end of October of last year. Looks like the same message as sent by the related E06 transmission on Friday 5-May, which of course was in English. Carrier was up on 6,887 when checked over an hour earlier at 1727 UTC, G06 voice heard calling "111 111 111 00000" at around 1734.

25-May-17:- 1829:30s UTC, "842" and "289 289 54 54", S8 to S9 but interference from some kind of pulse signal up for about five seconds every 25 seconds or so, did not appear to be something local.

8-June-17:- call-up in progress when tuned in just after 1830z, 6,887 kHz, "842" and "289 289 54 54" again, ended approx 1842:40s UTC, computer-related "chime" heard about half a minute afterwards.

22-June-17:- 1829 UTC, 6,887 kHz, call "842", DK/GC "746 746 68 68", not the same as on the 8th, ended at 1844 UTC, computer chimes heard about 55 seconds afterwards.

Friday 1930 UTC - Again, Start Time Varies - Schedule:-
12-May-17:- 1929 UTC approx, 5,943 kHz calling "218", close to a strong broadcast station
making for difficult copy, some unusual behaviour followed, heard calling "111 111 ..." after about 30 seconds into the transmission, then appeared to go off. Waited for some time for further developments, nothing heard. Tuning around a few minutes later found G06 in progress on 5,938 kHz, reasonably clear of interference. Those 5Fs heard were the same as heard on the previous evening, ended before 1946 UTC with, "289 289 54 54 00000".
Computer related "chime" heard about 50 seconds afterwards followed by hum/buzz noise.
Carrier had gone when checked at around 1951 UTC.

26-May-17:- 5,939 kHz, "218" and "289 289 54 54", over S9.

First + Second Mondays in the Month 1700 + 1800 UTC Schedule:-
1-May-17:- 1700 UTC, 5,766 kHz, "691 691 691 00000", S9 signal, started about 10 seconds after the hour, suspicious carrier had been noted on 5,766 at approx 1657 UTC.
Unable to find a repeat transmission at 1800z.

8-May-17:- 1659:38s UTC, 5,766 kHz, "691 691 691 00000", S9.
1801 UTC, 5,136 kHz, second sending found in progress on a lower frequency, S8 to S9.

5-June-17:- Nothing found on 5,766, +/-, at 1700 UTC although checking later at around 1745 UTC there was a carrier on 5,764 kHz. The G06 voice was heard for a few seconds at approx 1750 and at 1800 started up with, "563 563 563 00000". The first thought was that the schedule had advanced by one hour and that the 5,136 kHz sending would be at 1900z – but nothing heard.

12-June-17:- again, nothing found at 1700 UTC, either on 5,764 or 5,136 - a check made in case the two transmissions had been reversed - but there was a sending just before 1800z:-
1759 UTC, 5,764 kHz, "563 563 563 00000".

Other's Logs

Monday

May 2017

0800z	**7320kHz**											
01/05		329 000										Weak
05/06		329 00000										Weak

June 2017

0800z	**7320kHz**		**0820z**	**5677kHz**		**0840z**	**5136kHz**					
05/06		329 00000										Weak
19/06		329 00000										Weak

1700z	**5766kHz**		**1800z**	**5136kHz**								
May 2017												
01/05		691 00000										Fair
08/05		691 00000	also...	**1705z**	111 00000		**1707z**	111 00000		**1708z**	111 00000	Fair

June 2017

1700z	**5471kHz**		**1800z**	**5764kHz**

05/06 563 00000 Good

12/06 563 00000 also... Pre and Aft 111 111 111 00000 Weak

Wednesday

May 2017

1200z 7318kHz 1300z 6823kHz

03/05 691 00000

10/05 691 00000

June 2017

1300z 6924kHz

07/06 563 00000 Via Silec, Poland SDR

Thursday

May 2017

1300z 5890kHz

04/05 329 00000

1830z 6887kHz

May 2017

11/05 842 289 54 12345 ... 72492 289 54 00000 Fair

842 289 54
12345 89657 45632 75684 95463 84567 06854 84657 91745 19567
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353
91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471
67578 64618 84021 72492
289 54 00000
Note: same message as E06 on 5733 kHz, 05-05, 2130 UTC
Courtesy Ary

25/05 842 289 54 12345 ... 72492 289 54 00000 Repeat of 11 May message

June 2017

22/06 842 746 68 73631……..74668 746 68 00000 Fair

2030z 5934kHz

15/06 ??? 149 52 12265 10965 ... 05124 95732 149 52 00000 (In progress - Missed call-up ID)

??? 149 149 52 52
12265 10965 47839 38654 84677 93453 72217 84393 04673 97564
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234
05124 95732
149 149 52 52 00000 Windows shut down sound
Courtesy Ary

Friday

May 2017

1930z 5943kHz

12/05 218 x 3 pause 111 111 111……. (111 off at 1932z - Carrier on until 1950z 'E') Strong

26/05 218 111 111 111……111 (NO TX at 1930z) Strong

23/06 218…….stopped 1931z due QRM?
Restarted on 5936kHz at 1934z [218 746 68 73631……12845 746 68 00000] Fair

S06 and S06s

S06 log May 2017

Daily Mon- Fri 0400z 15721kHz No reports

Thursdays (Repeats following day) 0830z 17475 kHz 0930z 14736 kHz

04/05 '842' 617 42 19063 30646 19660 43389 96169 59982 49715 32313 42910 48728 90821 35569 02014 29349 74424 30963 40411 01027 94056 49328 03062 17540 38518 09137 29731 90093 99745 24652 39679 28524 73596 73547 13114 69318 88698 34934 25501 63889 51579 33746 13003 25543 617 42 00000

11/05 '842' 905 43 63056 18465 93811 68448 87993 26828 98053 21997 18511 98667 80385 83594 47581 06349 15104 62099 81375 65175 75977 87565 51197 11808 22060 09041 46210 86674 03516 92462 46663 18831 79659 79588 62288 36693 66380 93892 05560 53095 55163 04386 54504 98089 70861 905 43 00000] 0941z Ed Smith KiwiSDR Japan.

18/05 '842' 637 44 30330 97947 43911 67912 57874 77699 53124 67706 32835 69082 76024 27662 37508 05126 60543 76367 34548 72613 83161 83999 88668 39330 78861 80814 02890 54047 34846 94500 49029 17716 40214 67310 97109 49276 08785 38914 73388 94538 17247 05915 01683 51572 25822 93965 637 44 00000

25/05 '842' 109 45 43935 95105 05787 59809 90448 58531 59524 23171 38749 48000 99342 47806 05559 79818 45215 00840 37813 20172 60677 37914 78542 83323 87514 95370 21538 73639 99684 78620 46955 32412 81169 70147 55082 75404 57439 05577 40423 32053 35215 91245 73313 22265 30224 61716 81232 109 45 00000

Fridays (1st & 3rd) 1900z 9943khz 2000z 7951kHz (frequencies may vary slightly)

05/05 '514' 00000

Saturdays (1st/3rd) 1900z 6801kHz 2000z 5931kHz (frequencies may vary slightly)

06/05 '913' 00000

20/05 '913' 00000

S06c

02/05	6123kHz 0950z	'11625' Ended 0954z	Ed Smith	TUE
	8171kHz/6123kHz 1005z	'11625' Ended 1009z	Ed Smith	TUE
10/05	8171kHz/6123kHz 0852z	'11625' Ended 0856z	Ed Smith	WED
	8171kHz/6123kHz 0905z	'11625' Ended 0909z	Ed Smith	WED
30/05	8171kHz/6123kHz 0953z	'11625' Ended 0957z	Ed Smith	TUE
	8171kHz/6123kHz 1005z	'11625' Ended 1009z	Ed Smith	TUE

S06s May log:

Monday

1st/8th	0830/0840z	8221/9353kHz	'371' 895 6 28548 59014 32424 75078 97520 05317
15th/22nd			'371' 469 8 44475 30322 36034 45445 44008 38453 48324 33885
1st/8th	0900/0910z	16380/14835	'872' 945 6 59067 58855 48235 28222 37832 37313
15th/22nd			'872' 459 6 37545 30989 41691 43753 32543 40936
1st/8th	1200/1210z	10230/12165	'831' 409 5 55693 97629 831 409 5 43058 51174 97511
15th/22nd			'831' 460 5 33365 97541 84517 48694 47423

Tuesday

2nd/9th	0600/0610z	15945/16945	'438' 261 5 12444 38625 89531 52814 95931
16th/23rd			'438' 216 5 20534 11160 43494 37638 16341
2nd/9th	0700/0715z	5430/6780	'374' 201 5 37219 30443 35801 32940 43079
16th/23rd			'374' 256 8 55215 56715 84880 62556 48045 59600 22273 55697
2nd/9th	0730/0740z	7365/11655	'427' 863 5 38367 33406 42366 37868 37250
16th/23rd			'427' 810 5 24625 35422 48502 12856 98422
2nd/9th	0800/0810z	14373/12935	'352' 864 7 88146 57865 98835 46186 16945 80744 86200
16th/23rd			'352' 908 6 61732 74537 57440 10597 23521 47660
2nd/9th	1000/1010z	4820/5660	'893' 417 5 43043 34746 34053 30738 56864
16th/23rd			'893' 410 5 66188 20221 96854 30914 30275
2nd/9th	1100/1110z	6810/7560	'754' 913 6 45356 49396 39265 32053 81782 47381
16th/23rd			'754' 980 6 58716 00463 76752 74622 88466 38569
2nd/9th	1500/1510z	6766/7744	'537' 921 6 47693 45680 45098 32417 39736 35697
16th/23rd			'537' 260 8 10471 11141 84895 96075 81620 43611 43110 74663

Wednesday

3rd/10th	0730/0840z	12110/14977	'745' 839 6 35861 33432 89319 32494 36914 46467
17th/24th			'745' 219 6 55315 56715 84880 62556 48045 58600
3rd/10th	0820/0830z	9485/11085	'471' 896 5 40639 33180 48007 37230 46446
17th/24th			'471' 890 5 95758 87623 33532 92775 94731
3rd/10th	0830/0840z	11565/12560	'464' 285 7 37830 31671 35401 34072 83030 32030 32154
17th/24th			'464' 813 5 10471 43611 43110 74663 58715
3rd/10th	1000/1010z	14580/16020	'729' 436 5 33699 39998 30667 35947 83964
17th/24th			'729' 403 5 24625 35422 48502 12856 98433

Thursday

4th/11th(E17z)	0800/0810z	16780/12850	'674' 981 5 07931 98755 84636 45752 64655
18th/25th			'674' 289 5 79961 04322 16527 38305 17303
4th/11th	0930/0940z	9255/10325	'314' 568 7 33445 69425 38167 05424 76458
18th/25th			'314' 872 5 98539 43324 98306 33149 07660
4th/11th	1200/1210z	13145/14535	'425' 976 8 62795 74228 56551 44999 47773 55580 95628 05317
18th/25th			'425' 973 6 82642 11347 76870 65064 57312 55932

Friday

5th/12th	0900/0910z	6844/7161	'624' 831 5 23375 56927 69640 67369 51606
19th/26th			'624' 903 5 25698 91524 85711 07524 54921
5th/12th	0930/0940z	10290/9655	'516' 403 7 51326 41878 48807 28229 33314 35644 11070
19th/26th			'516' 279 8 61199 48353 76235 30141 90966 27700 37136 51939

Saturday

6th	0800/0810z	12460/10250	'254' 980 6 26634 14690 95590 60386 88569 89617

Sunday

7th/14th	0630/0640	16320/14875	'524' 967 8 35415 43943 43500 04711 97964 01368 81371 65520
21st/28th			

S06 log June 2017

Daily Mon- Fri 0400z 15721kHz

17/06 '480' 529 60 62280…….etc via KiwiSDR Aichi, J tks HfD

Thursdays (Repeats following day) 0830z 16022kHz 0930z 13925kHz

01/06 '842' 357 46 72634……48664 357 46 00000] 0842z
08/06 '842' 961 47 52573 45930 81461…..91197 961 47 00000

15/06 '842' 573 48 53426 19485 80217 84242 72024 03449 19252 97261 35241 54551 72043 58453 81578 59139 14445 42668 38200 92541 95728 34425 93496 00700 40508 06276 3269? 96749 25365 70699 40916 95969 47377 91477 04139 37557 26724 ?5471 61496 66650 10559 10755 89850 75048 70344 22023 24572 24051 09833 79232 573 48 000000

22/06 '842' 610 49 28741 63962 00801 71595 98261 18428 95241 93321 49329 60056 05437 07611 02468 59895 03801 37349 51187 55889 06974 75375 82904 76205 86236 05327 26908 97824 54206 03826 09062 38819 19972 84959 17942 07764 29895 72978 12078 58705 36221 14154 22998 25146 60729 63736 33766 31460 45574 08946 37689 610 49 00000

29/06 '842' 163 50 00594 86728 99782 80387 02306 42410 00811 33687 84895 12289 17187 62101 17729 20811 34203 82391 11158 27420 62529 90176 29571 60585 52104 48105 26036 59737 45565 71790 65704 61055 50930 11933 30173 88033 38191 56069 19998 32779 89531 98393 97530 38960 57839 51078 37281 22358 13212 95538 75980 89954 163 50 00000

Fridays (1st & 3rd) 1900z 9943khz 2000z 7951kHz (frequencies may vary slightly)

02/06 '514' 00000
16/06 '514' 239 78 98684……..26576 239 78 00000] 2019z

Saturdays (1st/3rd) 1900z 6801kHz 2000z 5931kHz (frequencies may vary slightly)

03/06 '913' 00000
17/06 '913' 00000

Other:

1500z 13944kHz 1600z 11496kHz

08/06 '387' 569 41 55166 35005 26791 61423 01677 06412 12379 03506 39752 19761 17337 36072 24955 75114 28190 97772 55689 65241 87565 70667 61861 12696 48340 94698 95987 19099 88817 87335 50181 43825 74880 98090 47456 54258 80055 52572 80781 14830 99418 65791 98329 569 41 00000

1303z (I.P.) 10755kHz

29/06 '975' 78459 246 31 30126 36217 29891 11947 03557 57850 83414 71079 80453 68035 53865 87270 12730 42842 85829 79618 51444 93076 79212 52013 12995 59538 09274 12081 67119 24000 25281 83183 90763 46846 82459 246 31 00000] 1318z
Three cut outs/restarts and other mistakes. Ed Smith THU

S06c

14563kHz 1432z 22/06 I.P.	'11190'	ended 1433z	Ed Smith	THU
14563kHz 1435z 22/06	'11190'	ended 1440z	Ed Smith	THU

S06s June log:

Monday

5th/12th	0830/0840z	8221/9353	'371' 498 5 79961 05322 15627 39205 26202
19th/26th			'371' 892 5 43334 30147 30794 43014 81051
5th/12th	0900/0910z	16380/14835	'872' 543 6 11647 67208 18945 71851 35408 46889
19th/26th			'872' 549 6 37830 31671 35401 34072 83030 32030
5th/12th	1200/1210z	10230/12165	'831' 476 5 72288 47352 77235 20141 80806
19th/26th			'831' 260 5 34806 32963 31716 81515 35420

Tuesday

6th/13th	0600/0610z	15945/16945	'438' 976 5 10471 11141 84895 94076 81720
20th/27th			'438' 271 5 43475 35453 38083 36504 35194
6th/13th	0700/0715z	5430/6780	'374' 805 6 54921 95004 97644 59013 40142 08364
16th/23rd			'374' 905 6 30588 39344 37296 27378 40774 45983
6th/13th	0730/0740z	7365/11655	'427' 806 5 31247 77177 24837 10439 20118
20th/27th			'427' 508 6 30588 39344 37296 27378 44986 40383

6th/13th	0800/0810z	14373/12935	'352' 869 7 22846 91941 94840 83693 11224 73559 42492
20th/27th			'352' 486 7 34917 46991 38643 30996 35333 32537 42983
6th/13th	1000/1010z	4820/5660	'893' 257 6 79961 04322 16527 39305 17404 80333
20th/27th			'893' 254 6 46062 68672 97478 39685 30475 96632
6th/13th	1100/1110z	6810/7560	'754' 280 6 16216 57859 17913 45084 17782 81149
20th/27th			'754' 296 8 52401 63919 92699 14600 74248 48754 65125 41879
6th/13th	1500/1510z	6766/7744	'537' 240 6 18139 58718 32007 36759 92939 47480
20th/27th			'537' 264 8 33760 46632 30233 36973 38084 38836 32441 48658
Wednesday			
7th/14th	0730/0840z	12110/14977	'745' 918 6 24625 35422 48502 12856 98433 82642
21st/28th			'745' 932 6 08631 58082 37270 08982 92728 26090
7th/14th	0820/0830z	9485/11085	'471' 805 6 79961 04322 11224 73559 42492 07393
21st/28th			'471' 852 6 41716 50801 40123 69856 47154 25660
7th/14th	0830/0840z	11565/12560	'464' 829 5 35415 43943 93806 33149 07660
21st/28th			'464' 205 7 69856 82541 98423 79033 15452 10002 08973
7th/14th	1000/1010z	14580/16020	'729' 486 5 64245 47361 52548 34432 60298
21st/28th			'729' 483 5 11169 03439 43584 19152 23063
Thursday			
1st/8th (E17z)	0800/0810z	16780/12850	'674' 231 5 83390 64021 75751 83876 43932
15th/22nd			'674' 298 5 42149 46198 36148 34433 36420
1st/8th	0930/0940z	9255/10325	'314' 865 7 61199 48353 76235 30141 90966 37700 37136
15th/22nd			'314' Too weak to copy
1st/8th	1200/1210z	13145/14535	'425' 869 7 58762 72400 87815 53148 07393 98539 43324
15th/22nd			'425' 801 6 32407 39976 43843 39801 35875
Friday			
2nd/9th	0900/0910z	6844/7161	'624' 803 5 80333 81227 44276 63014 3102
16th/23rd			'624' 871 5 33760 46632 30233 36973 38084
2nd/9th	0930/0940z	10290/9655	'516' 409 7 58672 72400 65520 34869 47985 85711 31047
16th/23rd			'516' 274 8 34917 36991 38643 30996 35333 32537 42983 35751
Saturday			
3rd	0800/0810z	12460/10250	'254' 891 6 10471 11141 84895 96075 81620 43611
Sunday			
4th/11th	0630/0640	16320/14875	'524' 867 9 10471 11171 84895 96075 81620 43611 43110 74663 58715
18th/25th			'524' 816 7 40372 36343 33365 97541 84517 48694 47423

With thanks to RNGB, Malc (M8), Ed Smith, Ary, Thomas, HFD

PoSW's S06/S06s log:

First + Third Fridays in the Month 1900 + 2000 UTC Schedule:-
5-May-17:- 1901 UTC, 9,943 kHz, "514 514 514 00000", weak signal, found at about one minute into the transmission, inside the 31 metre broadcast band. S9+ carrier on 9,940 which suddenly sprang into life at around 1903z with the identification, "This is Trans World Radio, Swaziland".
2000 UTC, 7,951 kHz, second sending, S9 on a clear frequency.

19-May-17:- 1900 UTC, 9,943 kHz, "514 514 514 00000", S7, the S9+ BC station on 9,940 started up at three minutes past the hour.
2000 UTC, 7,951 kHz, second sending, S8 to S9.

In the month of June this schedule performed its well known trick of shifting by one hour:-
2-June-17:- 2000 UTC, 9,953 kHz, "514 514 514 00000", over S9 with rapid QSB and well clear of any strong broadcast stations.
2100 UTC, 7,951 kHz, second sending, also over S9.

16-June-17:- 2000 UTC, 9,943 kHz, a "full message" this evening, calling "514", DK/GC "239 239 78 78", weak signal.
2100 UTC, 7,951 kHz, second sending, much stronger signal, S9 with QSB, total transmission time of about 20 minutes.

17-June-17, Saturday:- As expected, the repeats on the following day:-
2000 UTC, 9,953 kHz, 10 kHz up on yesterday and a weak signal again.
2100 UTC, 7,951 kHz, second sending, S8 to S9.

First + Third Saturdays in the Month, 1900 + 2000 UTC Schedule:-
6-May-17:- 1900 UTC, 6,801 kHz, "913 913 913 00000", over S9.
2000 UTC, 5,931 kHz, second sending, also over S9.

17-June-17:- 1900 UTC, 6,801 kHz, "913 913 913 00000", over S9.
2000 UTC, 5,931 kHz, second sending, very strong S9+, on at the same time as the "514" on 9,953.

S06s, Y.L. Voice:-
Active in the UK morning time, the following schedules usually received with reasonable signals on at least one of the two transmissions:-

Monday 0830 + 0840 UTC Schedule, Call "371":-

8-May-17:- 0830 UTC, 8,221 kHz, DK/GC “895 895 6 6”, S7 signal, 5Fs “28548 59014 32424 75078 97520 95317”.
0840 UTC, 9,353 kHz, second sending, also S7.

Monday 1200 + 1210 UTC Schedule, Call “831”:-
8-May-17:- 1210 UTC, 12,165 kHz, second sending, prediction list suggests 10,230 for the 1200z sending, very weak signal of some kind, unreadable. DK/GC “409 409 5 5”, “43058 55693 97629 51174 97511”, S7 signal.

Tuesday 0730 + 0740 UTC Schedule, Call “427”:-
2-May-17:- 0730 UTC, 7,365 kHz, DK/GC “863 863 5 5”, S9 signal, “38367 33406 42366 37868 37250”.
0740 UTC, 11,655 kHz, second sending, over S9.

9-May-17:- 0730 UTC, 7,365 kHz, DK/GC “863 863 5 5”, same 5fs as on the 2nd.
0740 UTC, 11,655 kHz, second sending.

23-May-17:- 0730 UTC, 7,365 kHz, DK/GC “810 810 5 5”, “24625 35422 48502 12856 98422”, S5 at best, a weaker broadcast station heard underneath.
0740 UTC, 11,655 kHz, second sending, S8.

30-May-17:- 0730 UTC, 7,365 kHz, “427 427 427 00000”, end of the month “no message” routine, peaking S9, the weaker German language broadcast station heard underneath.
0740 UTC, 11,655 kHz, second sending, did not start one minute early as is usually the case with the second sending of a “no message”, S9+, very strong signal.

6-June-17:- 0730 UTC, 7,365 kHz, DK/GC “806 806 5 5”, “31247 77177 24837 10439 20118”, S5 at best, the BC station underneath only slightly weaker and the “flutter” effect of the very small difference in frequency of the two carriers noticeable.
0740 UTC, 11,655 kHz, second sending with an S9 signal.

Wednesday 0730 + 0740 UTC, Call “745”:-
10-May-17:- 0730 UTC, 12,110 kHz, DK/GC “839 839 6 6”, “35861 33432 89319 32494 36914 46467”, over S9.
0740 UTC, 14,977 kHz, second sending, slightly weaker signal.

17-May-17:- 0730 UTC, 12,110 kHz, DK/GC “219 219 6 6”, over S9, “55315 56715 84880
62556 48045 58600”.
0740 UTC, 14,977 kHz, second sending, S9.

24-May-17:- 0730 UTC, 12,110 kHz, DK/GC “219 219 6 6”, 5Fs as on the 17th.
0740 UTC, 14,977 kHz, second sending, both S8 to S9.

14-June-17:- 0730 UTC, 12,110 kHz, DK/GC “918 918 6 6”, “24625 35422 48502 12856 98433 82642”, over S9.
0740 UTC, 14,977 kHz, second sending, also over S9.

21-June-17:- 0730 UTC, 12,110 kHz, DK/GC “932 932 6 6”, “08631 58082 37270 08982 92728 26090”, over S9.
0740 UTC, 14,977 kHz, second sending, S8.

Wednesday 0820 + 0830 UTC Schedule, Call “471”:-
10-May-17:- 0820 UTC, 9,485 kHz, DK/GC “896 896 5 5”, was showing S5 to S6 on the meter to start off with but became much weaker and difficult copy by the time the call-up ended.
0830 UTC, 11,085 kHz, a much stronger signal from the second sending, S9, “40639 33180 48007 37230 46446”,

17-May-17:- 0820 UTC, 9,485 kHz, very weak signal, unreadable.
0830 UTC, 11,085 kHz, much stronger signal, S7 to S8, DK/GC “890 890 5 5”, “95758 87623 33532 92775 94731”.

28-June-17:- 0820 UTC, 9,485 kHz, DK/GC “852 6” x 2, “41716 50801 40123 69856 47154 25660”, S7.
0830 UTC, 11,085 kHz, second sending, also S7.

Wednesday 1000 + 1010 UTC Schedule, Call “729”:-
10-May-17:- 1000 UTC, 14,580 kHz, DK/GC “436 436 5 5”, “33699 39998 30667 35947 83964”, over S9.
1010 UTC, 16,020 kHz, second sending, slightly weaker signal.

17-May-17:- 1000 UTC, 14,580 kHz, DK/GC “403 403 5 5”, “24625 35422 48502 12856 98433”, S9+.
1010 UTC, 16,020 kHz, second sending, S8.

Friday 0930 + 0940 UTC Schedule, Call “516:-
12-May-17:- 0930 UTC, 10,290 kHz, DK/GC “403 403 7 7”, “51326 41878 48807 28229 33314 35644 11070”, over S9.
0940 UTC, 9,655 kHz, second sending, also over S9.

19-May-17:- 0930 UTC, 10,290 kHz, DK/GC “279 279 8 8” - eight 5F groups, somewhat unusual, “61199 48353 76235 30141 90966 27700 37136 51939”, over S9 with QSB.
0940 UTC, 9,655 kHz, second sending, S9.

26-May-17:- 0930 UTC, 10,290 kHz, “279 279 8 8” and 5Fs as last time, over S9.
0940 UTC, 9,655 kHz, second sending, S9.

16-June-17:- 0930 UTC, 10,290 kHz, DK/GC “274 274 8 8”, “34917 36991 38643 30996 35333 32527 42983 35751”, over S9.
0940 UTC, 9,655 kHz, second sending, slightly weaker signal.

First Saturday in the Month 0800 + 0810 UTC Schedule, Call “254”:-
6-May-17:- 0800 UTC, 12,460 kHz, DK/GC “980 980 6 6”, “26634 14690 95590 60386 88569 89617”, peaking S9.
0810 UTC, 10,250 kHz, second sending, considerably weaker signal, indicating S6 at best.

3-June-17:- 0800 UTC, 12,460 kHz, DK/GC “891 891 6 6”, “10471 11141 84895 96075 81620 43611”.
0810 UTC, 10,250 kHz, second sending, both transmissions S7 to S8.

S11a log May/June

4870kHz	1955z	10/05 [371/00] Konyetz 1958z S9	Malc	WED
	1955z	17/05 [373/00] Konyetz 1955z S9	Malc	WED
	1955z	19/05 [379/00] Konyetz 1958z S9	Malc	FRI
	1955z	24/05 [371/38 81990……..01658] 2005z S9	Malc	WED
	1955z	26/05 [371/38 81990……etc] Repeat of Wednesday S9+10	Malc	FRI
	1955z	31/05 [373/00] Konyetz 1958z S9	Malc	WED
	1955z	02/06 [370/00] Konyetz 1958z S9	Malc	FRI
	1955z	16/06 [378/32 24567…….00104] Konyetz 2004z S9	Malc	FRI
	1955z	21/06 [378/00] 1958z S9	Malc	WED
	1955z	23/06 [373/00] Konyetz 1958z S8	Malc	FRI
	1955z	30/06 [373/00] Konyetz 1958z S9	Malc	FRI
5149kHz	0455z	05/05 [328/00] КОНЕЦ 0458z	Ed Smith	FRI
	0455z	12/05 [326/00]	Ary	FRI
	0455z	19/05 [329/33 81273 78634 07866…...07649 37201] КОНЕЦ 0506z KiwiSDR Ukraine.	Ed Smith	FRI
	0455z	09/06 [320/35 ВНИМАНИЕ 14848 81348 ….. 20854 05197] КОНЕЦ 0506z	Ed Smith	FRI
	0455z	13/06 [320/00] КОНЕЦ 0458z	Ed Smith	TUE
	0455z	16/06 [322/00]	Ary	FRI
	0455z	20/06 [328/00] КОНЕЦ 0458z	Ed Smith	TUE
	0455z	27/06 [329/00] КОНЕЦ 0458z	Ed Smith	TUE
	0455z	30/06 [325/00] КОНЕЦ 0458z	Ed Smith	FRI
8530kHz	0915z	02/05 [485/00] Good	RNGB	TUE
	0915z	05/05 [482/00] КОНЕЦ 0918z	Ed Smith	FRI
	0915z	09/05 [483/00] Konyetz 0918z S3	Malc	TUE
	0915z	12/05 [483/00] КОНЕЦ 0918z	Ed Smith	FRI
	0915z	16/05 [485/00]	RNGB	TUE
	0915z	19/05 [485/00] Konyetz 0918z S4	Malc	FRI
	0915z	23/05 [487/30 29815……06093] Konyetz 0925z S2	Malc	TUE
	0915z	26/05 [487/30 29815…..etc] Repeat of Tuesday	Malc	FRI
	0915z	30/05 [487/00] Konyetz 0918z S4	Malc	TUE
	0915z	06/06 [483/33 70493 31586 74153 10060 49405 11559 15562 ……40858 45907] Good	RNGB, Malc	TUE
	0915z	09/06 [483/33 70493……etc] Repeat of Tuesday	Malc	FRI
	0915z	13/06 [483/00] Konyetz 0918z S3	Malc	TUE
	0915z	16/06 [484/00] Konyetz 0918z S4	Malc	FRI
	0915z	20/06 [486/00] КОНЕЦ 0918z	Ed Smith	TUE
	0915z	23/06 [480/00] Konyetz 0918z S5	Malc	FRI
	0915z	27/06 [483/00] КОНЕЦ 0918z	Ed Smith	TUE
	0915z	30/06 [484/00] Konyetz 0918z S2	Malc	FRI
8800kHz	1020z	02/05 [425/35 90023……..97302] Konyetz 1030z S5	Malc	TUE
	1020z	05/05 [425/35 90023 36087 62184 54874 58980 42650 64180…...61889 97302] КОНЕЦ 0931z	Ed Smith	FRI
	1020z	12/05 [420/00] КОНЕЦ 1023z	Ed Smith	FRI
	1020z	16/05 [422/00] КОНЕЦ 1023z	Ed Smith	TUE
	1020z	19/05 [429/00] Konyetz 1023z S4	Malc	FRI
	1020z	23/05 [424/00] Konyetz 1023z S2	Malc	TUE
	1020z	26/05 [420/00] Konyetz 1023z S5	Malc	FRI
	1020z	30/05 [575/00] Konyetz 1023z S7	Malc	TUE
	1020z	02/06 [422/00] Konyetz 1023z S3	Malc	FRI
	1020z	06/06 [429/00] Konyetz 1023z S3	Malc	TUE
	1020z	09/06 [425/00] Konyetz 1023z S4	Malc	FRI
	1020z	13/06 [424/30 32551…….76595] S2	Malc	TUE
	1020z	20/06 [429/00] КОНЕЦ 1023z	Ed Smith	TUE
	1020z	23/06 [422/00] Konyetz 1023z S2	Malc, Ed Smith	FRI
	1020z	27/06 [426/00]	RNGB	TUE
	1020z	30/06 [427/00] Good	RNGB, Ed Smith	FRI
10210kHz	1015z	01/05 [476/00] КОНЕЦ 1018z KiwiSDR Moscow.	Ed Smith	MON
	1015z	04/05 [477/00] КОНЕЦ 1018z	Ed Smith, RNGB	THU
	1015z	08/05 [479/00] Good	RNGB	MON
	1015z	11/05 [470/00] Konyetz 1018z S3	Malc, Ed Smith	THU
	1015z	15/05 [478/00] Konyetz 1018z S3	Malc	MON
	1015z	18/05 [475/00] Strong	RNGB	THU
	1015z	22/05 [470/32 27461…….15372] 1025z S4	Malc	MON
	1015z	25/05 [470/32 27461……etc] Repeat of Monday	Malc	THU
	1015z	29/05 [479/00] Out 1018z S3	Malc	MON
	1015z	08/06 [475/00] Konyetz 1018z S2	Malc	THU
	1015z	12/06 [471/33 43592 47646 57513 64960 01162 32108 13777……35785 90824]	Ary	MON
	1015z	15/06 [471/33 43592……etc] Repeat of Monday	RNGB	THU
	1015z	19/06 [475/00] Konyetz 1018z S5	Malc	MON
	1020z	26/06 [478/00] Konyetz1023z S4	Malc	MON
	1015z	29/06 [470/00] КОНЕЦ 1018z	Ed Smith	THU
11092kHz	1540z	06/05 [566/00] КОНЕЦ 1543z	Ed Smith, Malc	SAT
	1540z	10/05 [560/39 77942 17512 29682 96223 98794 05854 79810……65580] Konyetz 1550z S4	Malc	WED
	1540z	13/05 [560/39 77942…..etc] Repeat of Wednesday	Ed Smith	SAT
	1540z	17/05 [567/00] Konyetz 1543z S5	Malc, Gary H	WED
	1540z	24/05 [561/00] Konyetz 1543z S9	Malc	WED
	1540z	27/05 [566/00] Konyetz 1543z S6	Malc	SAT
	1540z	31/05 [566/00] Konyetz 1543z S5	Malc	WED
	1540z	03/06 [561/00] Konyetz 1543z S7	Malc	SAT

	1540z	10/06 [565/00] Konyetz 1543z S4	Malc	SAT
	1540z	14/06 [560/00] Konyetz 1543z S5	Malc	WED
	1540z	17/06 [563/00] Konyetz 1543z S3	Malc	SAT
	1540z	24/06 [560/36 03525…….31588] Konyetz 1543z S3	Malc	SAT
12153kHz	1830z	26/06 [389/00] Konyetz 1833z S9	Malc	MON
12457kHz	1850z	17/05 [284/00] Konyetz 1853z S2	Malc	WED
	1850z	24/05 [282/00] Konyetz 1853z S7	Malc	WED
	1850z	27/05 [281/00] Konyetz 1853z S3	Malc	SAT
	1850z	31/05 [281/00] Konyetz 1853z S9	Malc	WED
	1850z	03/06 [282/00] Konyetz 1853z S2	Malc	SAT
	1850z	10/06 [285/00] Konyetz 1853z S8	Malc	SAT
	1850z	14/06 [287/38 42753……..62259] Konyetz 1900z S8	Malc	WED
	1850z	17/06 [287/38 42753…..etc] Repeat of Wednesday	Malc	SAT
	1850z	24/06 [280/00] Konyetz 1853z S4	Malc, Ed Smith	SAT

V07

Sunday

May 2017

0500z 13582kHz 0520z 12182kHz 0540z 11182kHz

07/05 511 1 505 45 92338 ... 57718 000 000 Very weak

511 505 45
92338 57150 96224 85206 24844
94208 70689 43721 97617 63982
61039 50884 96208 21969 64086
36265 47906 21231 16620 67714
88?45 69373 55871 89117 60337
06802 87868 18375 321?4 60334
59372 35111 63370 42972 ?4213
39127 90964 70253 52595 67898
88619 7?549 58299 86666 57718
000 000 *Courtesy DanAr*

14/05 0500z, 0540z NRH, 0520z Very weak Poor condx

21/05 511 000 Weak

28/05 511 000 Very weak

June 2017

0700z 12182kHz 0720z 11182kHz 0740z 10282kHz

04/06 112 000

11/06 112 1 324 49 94537 10268 91770 98648 60768 ... 62267 000 000 Via SDR Hawaii Fair

112 1 324 49
94537 10268 91770 98648 60768 20622 27263 60971 31621 63234
33138 13958 11086 24083 14094 01282 11137 42671 97171 41377
51120 23759 62040 65722 98755 32332 42747 26860 11295 60104
93180 81280 34916 26618 00133 83248 72239 24157 05154 03126
53361 19680 78028 76464 72518 46200 97456 42959 62267
Courtesy Danix

25/06 112 1 722 61 48235 53732 93220 .....70517 51697 000 000 (Via Argentina) Fair

112 1 722 61
48235 53732 93220 91219 32405 92616 57443 93029 30499 28793
94468 39265 60534 31046 23919 56817 99130 50177 59502 72410
21076 51876 45564 62221 19870 69893 53210 99125 84822 01950
05835 28220 14546 13457 10643 22069 77443 08223 01225 88172
90437 65201 92635 20303 31462 58484 33692 62684 65983 06822
93302 16189 77519 65673 05460 27353 40787 45824 71889 70517
51697 000 000 *Courtesy Daniel/AR*

V13 New Star Broadcasting Station

11430kHz	0600z	28-06-201	V13 AM New Star Broadcasting Station	AB	WED

V26

May 2017

4243kHz1214z	05/05/17[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner New Zealand)]	JPL	FRI
4243kHz1203z	08/05/17[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner New Zealand)]	JPL	MON
4364kHz0022z	02/05/17[(From M95 sked - USB - Chinese - male - // 8073) (Remote tuner Hong Kong)]	JPL	TUE
8073kHz0022z	02/05/17[(From M95 sked - USB - Chinese - male - // 4364) (Remote tuner Hong Kong)]	JPL	TUE

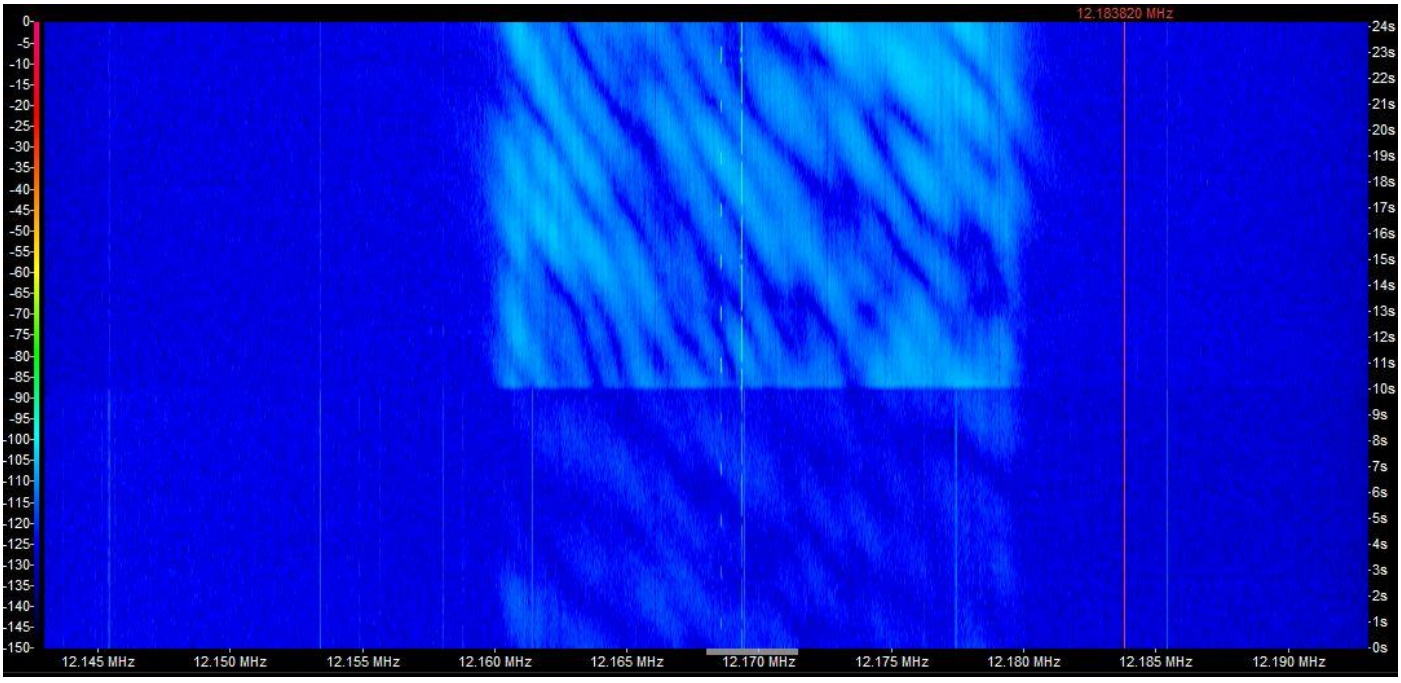
8073kHz0034z	31/05/17[(From M95 sked - USB - Chinese - Male - // N/H) (Remote tuner China)]	JPL	WED
9054kHz2357z	01/05/17[(From M95 sked - USB - Chinese - Female - // N/H) (Remote tuner Hong Kong)]	JPL	MON
9054kHz1214z	05/05/17[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner New Zealand)]	JPL	FRI
9054kHz1203z	08/05/17[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner New Zealand)]	JPL	MON
9054kHz0931z	26/05/17[(From M95 sked - USB - Chinese - Female - // 4243 N/H) (Remote tuner New Zealand)]	JPL	FRI

June 2017

4243kHz1202z	02/06/17[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner China)]	JPL	FRI
4243kHz1203z	05/06/17[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner China)]	JPL	MON
4243kHz1157z	11/06/17[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner New Zealand)]	JPL	SUN
4243kHz1207z	15/06/17[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner New Zealand)]	JPL	THU
4243kHz1255z	29/06/17[(IP - USB - Chinese - Female - // 9054) (Remote tuner New Zealand)]	JPL	THU
4364kHz1204z	05/06/17[(From M95 sked - USB - Chinese - Male - // 8073) (Remote tuner China)]	JPL	MON
8073kHz1204z	05/06/17[(From M95 sked - USB - Chinese - Male - // 4364) (Remote tuner China)]	JPL	MON
8073kHz0020z	22/06/17[(From M95 sked - XSV85) (// N/H) (Remote tuner China)]	JPL	THU
9054kHz1202z	02/06/17[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner China)]	JPL	FRI
9054kHz1203z	05/06/17[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner China)]	JPL	MON
9054kHz1157z	11/06/17[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner New Zealand)	JPL	SUN
9054kHz1207z	15/06/17[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner New Zealand)	JPL	THU
9054kHz0011z	22/06/17[(IP - USB - Chinese - Female - // 4243) (Remote tuner China)]	JPL	THU
9054kHz1255z	29/06/17[(IP - USB - Chinese - Female - // 4243) (Remote tuner New Zealand)]	JPL	THU

Polytones

XPA c



Illustrates 20kHz signal seen on 12168kHz at 0620z and effect of switching in homebrewed Phase noise remover

Wednesday/Saturday

May 2017

0600z 11868kHz 0620z 12168kHz 0640z 13368kHz

03/05 813 1 06211 00063 74307 01011 Very strong

813 813 813 1 813 813 813 1 813 813 813 1
06211 00063 74307 31491 71292 77608 33742 21725 64752 49318 56555 84432 74442 56063 82644
46350 42234 51688 31121 98690 56343 39946 21923 58186 53157 80585 35863 31348 16721 56245
15867 24617 27432 78624 06717 69150 01901 04761 89772 95455 19317 07333 41320 19731 51419
95821 12297 38848 32597 61354 63947 11023 81102 35352 45804 88845 65103 05217 25889 01246
73337 32169 87025 15263
Block Sync
04541 01011
Courtesy Rivet/PLdn

06/05 813 1 06211 00063 74307 01011 Fair

10/03 813 000 08543 00001 00000 10140 Very strong

13/05 813 000 03688 00001 00000 10140 [0700z Fair, 0720z 20kHz signal QRM3] Very strong

June 2017

0600z 11409kHz 0620z 13509kHz 0640z 14609kHz

07/06 Msg - Not logged

10/06 456 1 00883 00181 55034 ... 76651 56010 MFSK-16/20Bd

456 456 456 1 456 456 456 1 456 456 456 1
00883 00181 55034 68781 80724 08341 81375 74593 69482 61519
78820 52462 16398 56598 96000 21596 32272 85959 63109 95950
77053 66346 78099 76813 20588 90426 49182 81657 11267 94641
13594 86620 14295 19843 15229 13312 12691 16648 68145 19204
83148 98930 50532 66236 07416 92621 39942 19719 64965 23479
82121 78384 05259 72139 55473 54008 44924 08937 06569 09698
86246 60896 42104 59058 85337 16903 75199 27723 55134 80850
93716 49721 15751 56490 37677 20228 93018 10479 35851 27259
78053 73871 10392 29906 77671 32215 41416 69291 90189 75495
97285 96901 63647 05208 53017 61566 88310 91673 82911 42086
25571 39342 36815 18382 96597 86037 39107 03342 72040 17059
45619 68231 35342 29663 24935 62458 61277 35501 53132 81638
46969 44604 57785 27127 74831 56941 37297 11589 65716 23049
04536 56090 79910 59859 93842 10232 22655 62487 68471 76742
13321 42406 04284 32486 20604 72558 61927 54193 16963 80926
20401 06806 20414 33144 32745 03073 94003 27564 90744 48755
83565 87675 96646 61070 61355 84496 62960 93903 44862 05311
39957 24783 84593 55481 61861 43443 16998 51310 14338 14728
43714 79632 76651 56010 *Courtesy AB*

14/06 456 1 02983 00109 00754 04007 [0620z Fair] Very weak

17/06 456 1 02983 00109 00754 04007 [0600z Weak, unworkable] Strong

21/06 456 000 02412 00001 00000 10140 [0620z Very strong] Weak

24/06 456 000 09203 00001 00000 10140 Weak

28/06 456 000 09009 00001 00000 10140

XPA2 m

Sunday/Tuesday

May 2017

2000z 14538kHz 2020z 13538kHz 2040z 12138kHz

02/05 05928 00001 00000 10140 [2000z Strong] Very strong

07/05 08880 00049 26075 44422 Very strong

09/05 08880 00049 26075 44422 Very strong

14/05 03328 00001 00000 10140 Very strong [Weak in Argentina]

16/05 05753 00001 00000 10140 Weak

21/05 07143 00001 00000 10140 Weak

23/05 05435 00001 00000 10140 Weak

28/05 09065 00065 75947 73495 ... 40820 37075 Weak

09065 00065 75947 73495 78251 88967 27223 53973 77716 29315
62305 69111 61861 83235 81598 12148 71900 98211 71369 67382
89461 33118 26424 87429 11694 69316 98501 30856 11724 13992
63983 47245 82421 24915 71340 46835 41122 67495 22476 89118
77530 05778 33245 92672 45666 53441 57776 26064 81976 32281
73038 53181 08363 53308 45322 76538 43875 68208 55857 14366
89424 03771 72517 39236 57679 10302 40820 37075
Courtesy Rivet / DanAR / Gert

June 2017

2100z 14738kHz 2120z 13438kHz 2140z 12138kHz

11/06 06908 00073 39934 22106 Very strong

13/06 06908 00073 39934 22106 Very strong

18/06	01048 00001 00000 10140		Very strong
20/06	03877 00001 00000 10140		Very strong
25/06	00840 00089 97212 92931 29110 ... 93053 12654	(Via Argentina)	Weak

XPA2 p

Sunday/Friday

May 2017

1500z 16314kHz 1520z 15814kHz 1540z 14514kHz

05/05	01045 00083 35541 33671	[1500z NRH, 1520z Weak]	Very strong
05/05	01045 00083 35541 33671	[1520z QSB to nil]	Weak
07/05	Logged as msg - No detail		
12/05	04592 00001 00000 10140		Very strong
14/05	09457 00001 00000 10140	[Poor condx]	Very weak
21/05	03098 00207 56218 23637 75252 ... 15516 20325		Weak

Tuesday / Thursday

June 2017

1900z 15884kHz 1920z 14984kHz 1940z 14384kHz

01/06	06050 00001 00000 10140		Good
06/06	01142 000001 0 00140		Good
08/06	02656 00001 00000 10140		Weak
13/06	08395 00175 06856 65774 ...23060 25434	Argentina/UK	Weak/Fair
15/06	08395 00175 06856 65774 ...23060 25434	Argentina/UK	Weak/ V.strong
20/06	07808 00001 00000 10140	Argentina/UK	Weak/V.Strong
22/06	09596 00001 00000 10140	Argentina/UK	Weak/V.Strong

XPA2 r

Friday/Saturday

May 2017

1900z 17462kHz 1920z 16114kHz 1940z 14828kHz

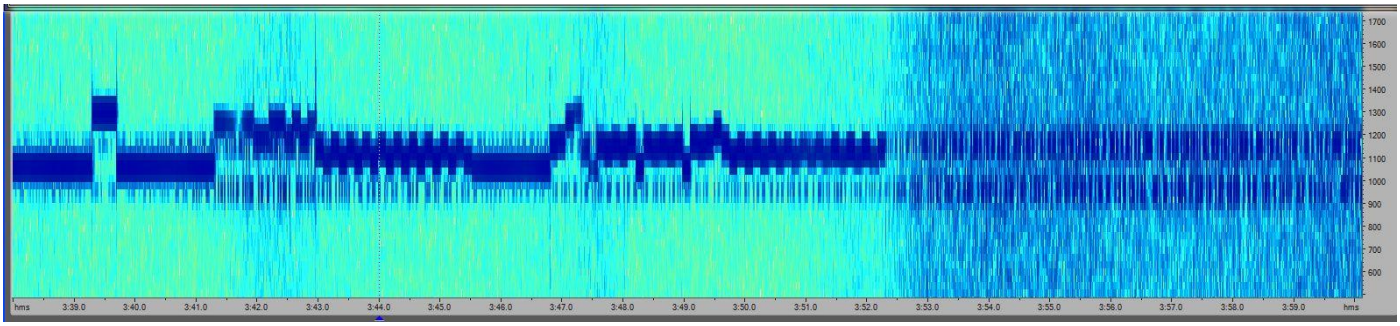
05/05	09288 00059 13812 10154	[1900z Weak, unworkable]	Fair
06/05	1900/1920z NRH, 1940z Very weak, unworkable		
12/05	07331 00001 00000 10140	[1900z Unworkable]	Very strong
13/05	06097 00001 00000 10140		Fair
26/05	09567 00103 18024 12931.....02971 62320 00142		Fair

09567 00103 18024 12931 69188 45071 56472 94994 35891 89974 02165 87517 63133 51475 72285 85193 47109 39787 97585 70866 02001 56677 57705 18539 21533 59158 28261 11091 95181 33743 67316 65820 67087 69221 49987 96499 36325 62866 08825 62125 11352 51023 38574 14982 90671 80407 36671 53566 47400 74386 08794 53693 45980 85075 57326 82579 98980 47427 97238 33178 13335 21932 76982 98340 39954 76738 01672 62181 41290 74220 61465 54011 59771 94776 08648 63928 07046 54549 38589 16891 96169 49066 49366 79639 96168 17983 50902 21633 19311 87971 92626 88763 69200 51876 97200 68621 03398 02459 98854 03740 05415 53732 54240 02971 62320 00142
Courtesy Rivet / DanAR

27/05	08071 00001 00000 10140		Weak

June 2017

2100z 16167kHz 2120z 14663kHz 2140z 13923kHz



Transmission of 10 June on 14663kHz at 2120z showing TTY QRM, Running before, during and after polytone. *Courtesy PLdn*

10/06	01799 00001 00000 10140	[0620 TTYQRM2]	Very strong
16/06	02014 00079 32919 52551		Very strong
17/06	02014 00079 32919 52551	[2100z Strong]	Very strong
23/06	05583 00067 67768 30141	[2120z TTYQRM5]	Fair
24/06	05583 00067 67768 30141		Very Strong

XPA2 t

Tuesday/Friday

May 2017

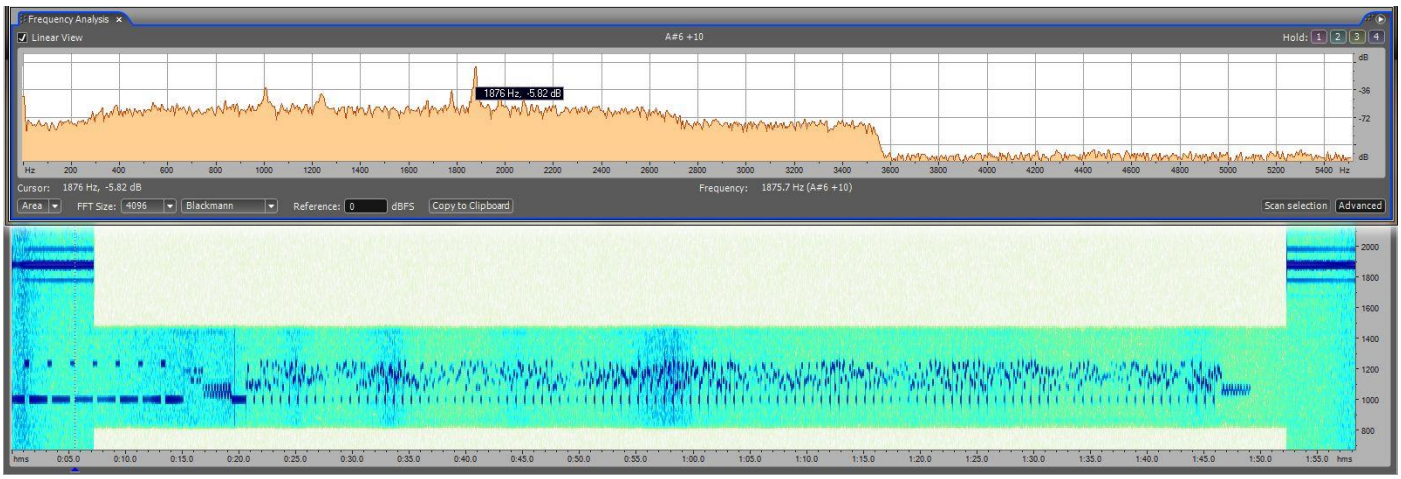
0700z 19667kHz 0720z 18767kHz 0740z 17467kHz

02/05	02425 00001 00000 10140	[0700z NRH, 0720z Very weak, unworkable]	Very weak
05/05	08636 00001 00000 10140	[0700z Unworkable, 0720z Weak]	Fair
09/05	03193 00063 99423 36512	[0700z Unworkable]	Fair, QSB3
12/05	01820 00001 00000 10140		Fair

June 2017

0700z 19514kHz 0720z 18214kHz 0740z 16314kHz

16/06	07545 00001 00000 10140	[0700zQSB3, 0740z TTYQRM4]	Fair
20/06	07001 00109 62900 63764	[0740zFair, HETQRM3/QSB3]	Weak, QSB to nil



XPA2 t Transmission 0700z Tuesday 20 June showing a 1876kHz Interfering tone that turned into a TTY signal by Friday 23 June *Courtesy PLdn*

23/06	07001 00109 62900 63764	[0700z Weak, QSB to nil, 0740z TTYQRM2]	Fair, QSB2

Hybrids

HM01

HM01 has continued on the same schedules and frequencies over the past two months. As with the April-May period the call-ups stagnated on the same numbers for multiple days.

On a few occasions the transmission at 1600z started with Spanish speaking broadcast stations or music. Windows XP dings were heard on one occasion. The only other event of interest was the appearance of callup '0000' on 7/5

Four files not ending in .txt were transmitted 36226753.F1G, 36785750.F1G 50553234.F1C 36846512.F1G, as always names of files with F1C extensions begin 50 and those with .F1G start with 36.

Logs

HM01 11435kHz 1600z 1/5 [31104 32856 33004 83217 80619 75377] Same callups as yesterday. MON
HM01 11435kHz 1600z 2/5 [31104 32856 33004 83217 80619 75377] Same callups as yesterday. TUE
HM01 11435kHz 1600z 3/5 [31104 32856 33004 83217 80619 75377] Same callups as yesterday. WED
HM01 11435kHz 1600z 4/5 [55526 67538 03626 71682 34042 51172] Up 10 minutes late with all new callups, 55526 = 68245552.TXT, 67538 = 36226753.F1G, 03626 = 00800362.TXT, 71682 = 50747168.TXT, 34042 = 83723404.TXT, 51172 = 68475117.TXT, THU
HM01 11435kHz 1600z 5/5 [55526 67538 03626 71682 34042 51172] Same callups as yesterday. FRI
HM01 11435kHz 1600z 6/5 [55528 54481 03628 71684 34044 51174] Maintining the correct sequence callups have incremented +2. New callup position 2, 54481 = 14855448.TXT SAT
HM01 11435kHz 1600z 7/5 [00001 54481 70651 71685 34045 51175] New callups positions 1 and 3, 00001 = 47080000.TXT, 70651 = 20667065.TXT. SUN
HM01 11435kHz 1600z 8/5 [00001 54482 70651 71686 34046 51176] MON
HM01 11435kHz 1600z 9/5 [00002 54483 70652 71687 34047 51177] TUE
HM01 11435kHz 1600z 10/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. WED
HM01 11435kHz 1600z 11/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. THU
HM01 11435kHz 1600z 12/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. FRI
HM01 11435kHz 1600z 13/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. SAT
HM01 11435kHz 1600z 15/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. MON
HM01 11435kHz 1600z 16/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. TUE
HM01 11435kHz 1600z 17/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. WED
HM01 11435kHz 1600z 18/5 [00002 54483 70652 71687 34047 51177] Same callups as yesterday. THU
HM01 11435kHz 1600z 19/5 [67604 70456 86373 32342 31821 64831] All new callups 57504 = 36785750.F1G 70456 = 64257045.TXT, 86373 =53468637.TXT, 32342 = 50553234.F1C 31821 = 16743182.TXT, 64831 = 23776483.TXT.FRI
HM01 11435kHz 1600z 20/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SAT
HM01 11435kHz 1600z 21/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SUN
HM01 11435kHz 1600z 22/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. MON
HM01 11435kHz 1600z 23/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. TUE
HM01 11435kHz 1600z 24/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. WED
HM01 11435kHz 1600z 25/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. THU
HM01 11435kHz 1600z 26/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. Windows XP dings heard during callups. FRI
HM01 11435kHz 1600z 27/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SAT
HM01 11435kHz 1600z 28/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SUN
HM01 11435kHz 1600z 29/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. MON
HM01 11435kHz 1600z 30/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. TUE
HM01 11435kHz 1600z 31/5 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. WED
HM01 11435kHz 1600z 1/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. THU
HM01 11435kHz 1600z 2/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. FRI
HM01 11435kHz 1600z 3/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SAT
HM01 11435kHz 1600z 4/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SUN
HM01 11435kHz 1600z 5/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. MON
HM01 11435kHz 1600z 6/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. TUE
HM01 11435kHz 1600z 7/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. WED
HM01 11435kHz 1600z 8/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. THU
HM01 11435kHz 1600z 9/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. FRI
HM01 11435kHz 1600z 10/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. SAT
HM01 11435kHz 1600z 11/6 [57504 70456 86373 32342 31821 64831] 10 minutes of Spanish music and talk before the callups. Same callups as yesterday. SUN
HM01 11435kHz 1600z 12/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. MON
HM01 11435kHz 1600z 13/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. TUE
HM01 11435kHz 1600z 14/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. WED
HM01 11435kHz 1600z 15/6 [57504 70456 86373 32342 31821 64831] Same callups as yesterday. THU
HM01 11435kHz 1600z 16/6 [65128 26813 77452 75814 30455 55864] All new callups, 65128 = 36846512.F1G, 26813 = 76382681.TXT, 77452 = 61557745.TXT, 75814 = 44857581.TXT, 30455 = 82523045.TXT, 55864 = 75305586.TXT. FRI
HM01 11435kHz 1600z 17/6 [65128 26813 77452 75814 30455 55864] SAT
HM01 11435kHz 1600z 18/6 [65128 26813 77452 75814 30455 55864] SUN
HM01 11435kHz 1600z 19/6 [65128 26813 77452 75814 30455 55864] MON
HM01 11435kHz 1600z 20/6 [65128 26813 77452 75814 30455 55864] TUE
HM01 11435kHz 1600z 21/6 [65128 26813 77452 75814 30455 55864] WED
HM01 11435kHz 1600z 22/6 [65128 26813 77452 75814 30455 55864] THU
HM01 11435kHz 1600z 23/6 [65128 26813 77452 75814 30455 55864] FRI
HM01 11435kHz 1600z 24/6 [76127 48762 06621 10843 51773 14054] All new callups, 76127 = 12327612.TXT, 48762 = 81054876.TXT, 06621 = 64770662.TXT, 10843 = 08031084.TXT, 51773 = 65525177.TXT, 14054 = 42011405.TXT. SAT
HM01 11435kHz 1600z 25/6 [76127 48762 06621 10843 51773 14054] Same callups as yesterday. SUN
HM01 11435kHz 1600z 26/6 [76127 48762 06621 10843 51773 14054] Same callups as yesterday. MON
HM01 11435kHz 1600z 27/6 [76127 48762 06621 10843 51773 14054] Same callups as yesterday. TUE
HM01 11435kHz 1600z 28/6 [76127 48762 06621 10843 51773 14054] Same callups as yesterday. WED
HM01 11435kHz 1600z 29/6 [76127 48762 06621 10843 51773 14054] Same callups as yesterday. THU
HM01 11435kHz 1600z 30/6 [76127 48762 06621 10843 51773 14054] Same callups as yesterday. FRI

And other's logs:

May 2017

9065kHz	080z	07/05	HM01 under QRM		E	SUN

June 2017

17480kHz	2200z	15/06	(57504 70456 86373 32342 31821 64831)	QSA2	DanAR	THU
	2227z		Data off			
	2228z		Windows sound			
	2231z		Several uno uno uno uno .....and TX off.			
10860kHz	0457z	16-06-2017	Windows sounds		AB	FRI
	0500z		65128 26813 77452 75814 30455 55864	The first new groups since 19 May !!!	AB	FRI
10345kHz	0558z	28-06-2017	76127 48762 06621 10843 51773 14054 (repeating groups of 24 June)	AM/RDFT	AB	WED
9330kHz	0628z (IP)	28-06-2017	76127 48762 06621 10843 51773 14054 (repeating groups of 24 June)	AM/RDFT	AB	WED
9065kHz	0658z	28-06-2017	76127 48762 06621 10843 51773 14054 (repeating groups of 24 June)	AM/RDFT	AB	WED

PoSW's analysis of signals heard in Great Britain:

The Cuban YL still received with somewhat variable degrees of success in the UK morning time. Best copy is on Mondays, Wednesdays, Fridays and Sundays when frequencies in the 10 and 9 MHz bands are used; on the remaining days of the week when frequencies in the 11 and 12 MHz are employed signals are much weaker.

5-May-17, Friday:- 0729 UTC, 9,330 kHz, starting up after the break, "55526 67538 03626 71682 34042 51172", indicating about S7 on my modest receiving set-up with the usual deep fading, data noises started at 0732:30s UTC.

12-May-17, Friday:- 0729 UTC, 9,330 kHz, "00002 54483 70652 71687 34047 51177", S8 with deep QSB.

14-May-17, Sunday:- 0736 UTC, 9,330 kHz, "00002 54483 70652 71687 34047 51177", same as on Friday, then. Up to S9 with the usual QSB, started to become weaker around 0744 UTC.
0759 UTC, 9,065 kHz, 5Fs as earlier, S7 with QSB, data at 0802:20s UTC.

15-May-17, Monday, 0729 UTC, 9,330 kHz, "00002 54483 70652 71687 34047 51177", no change there then, S8 with QSB.
0759 UTC, 9,065 kHz, 5Fs as earlier, S7 with the usual up and down.

12-June-17, Monday:- 0612 UTC, 10,345 kHz, transmission in progress, heard 5Fs "57504 70456 86373 32342 31821 64831", S9 with QSB, best copy of HM01 for a few weeks. Stopped for the break at approx 0621 UTC.

14-June-17, Wednesday:- 0558:50s UTC, 10,345 kHz, "57504 70456 86373 32342 31821 64831", as on Monday, S9 signal.
0728 UTC, 9,330 kHz, starting up after the break, 5Fs as earlier.

16-June-17, Friday:- 0600 UTC, 10,345 kHz, call-up in progress when tuned in, "65128 26813 77452 75814 30455 55864", data at 0602:15s UTC approx, S9 with the usual fading.
0728:50s UTC, 9,330 kHz, starting up after the break, 5Fs as earlier.
0758:50s UTC, 9,065 kHz, 5Fs as earlier, voice stopped a few seconds into the transmission and started again after 0800 UTC.

18-June-17, Sunday:- 0558:45s UTC, 10,345 kHz, "65128 26813 77452 75814 30455 55864",
S9 with deep QSB.
0658:45s UTC, 9,330 kHz, 5Fs as earlier.

21-June-17, Wednesday:- 0558:40s UTC – start-up time seems to be getting earlier - 10,345 kHz, "65128 26813 77452 75814 30455 55864", same as on Sunday. S9 with QSB.

25-June-17, Sunday:- 0628:40s UTC approx, 10,345 kHz, "76127 48762 06621 10843 51773 14064", S8 with QSB.

HM02 - Believed variant of Russian Family 1. Station under investigation

Consists of a short FSK sequence that contains no data, possibly a tuning signal, followed by a message in FSK Morse. Changes times with daylight saving.

Schedule: Does not appear to follow a regular yearly frequency schedule - Frequency appears to be chosen to suit current conditions

Latest: Last message sent on 09 June 2017 on 4761kHz. Carrier heard on 13 June 2017. No further transmissions heard.

Previous:	Daily:	6261kHz	0540 - 0600z (Variable)	Up to March 28 2016
			0440 - 0500z (Variable)	From 29 March 2016 - Change due to Daylight Saving adjustment.
	Daily:	7351kHz	0440 - 0500z (Variable)	From 14 April - 28 Sept 2016
			0410 - 0430z (Variable)	From 15 Sept - 27 Sept 2016 - Settled around 0420z
		6261kHz	0420z	28 Sept only - Not heard again - found on 4761kHz 30 Dec 2016
	Daily:	4761kHz	0520z	Regular at 0520z from 30 Dec 2016 - 26 Mar 2017
			0420z	Change to 0420z for 27 & 28 March 2017...
			0520z	....back to 0520z for 29 March 2017 only...
			0420z	....then back to 0420z from 30 March 2017 - 30 June 2017

Previously we have noted that messages have been repeated, either in totality or with a few groups either added or omitted - or changed for new groups at the end of a message. All of these repeats have used a different ID from the original message.

We are now seeing a change from this pattern, in that we have noted two occasions where the message and the repeat have been re-sent in full - including the original ID, i.e. an exact repeat of the original message,

Morse msg Logs

May 2017

4761	0420 - 0428z	01 May	913 42 = 80278 32241 ... 54377 43673 = 000	Good	AB/BR	MON
	0420 - 0428z	02 May	813 46 = 28893 62769 ... 50054 04528 = 000	Good, noisy	AB/BR	TUE
	0420z	03 May	NRH		AB/BR	WED
	0420 - 0428z	04 May	588 46 = 71435 85313 ... 15408 34160 = 000	Fair, noisy	AB/BR	THU
	0420z	05 May	NRH		AB/BR	FRI
	0420 - 0429z	06 May	237 52 = 69169 12165 ... 49640 68464 = 000	Good. Long call-up (4m40s) Msg sent once only	AB/BR	SAT
	0420z	07 May	NRH		AB/BR	SUN
	0420 - 0429	08 May	= 526 47 = 21211 80277 ... 77256 77256 = 000	Fair, noisy with QSB	AB/BR	MON
	0420 - 0429z	09 May	**231 48 = 12649 08179** ... **78314 50613** = 000	Weak / Fair	AB/BR	TUE
	0420 - 0428z	10 May	912 46 = 38688 85364 ... 80241 13851 = 000	Good - Some glitches	AB/BR	WED
	0420z	11 May	NRH		AB/BR	THU
	0420 - 0428z	12 May	925 43 = 82546 83644 ... 87727 56758 = 000	Strong	AB/BR	FRI
	0420z	13 May	247 45 = 09720 34403 ... 71210 39886 = 000		AB	SAT
	0420 - 0428z	14 May	903 46 = 01401 05219 ... 53574 48371 = 000	Fair, noisy with QSB	AB/BR	SUN
	0420z	15 May	NRH		AB/BR	MON
	0420 - 0427z	16 May	807 43 = 01312 30825 ... 33387 72408 = 000	Weak / Fair, noisy with QSB	AB/BR	TUE
	0420 - 0428z	17 May	980 44 = 64264 27048 ... 21524 52225 = 000	Fair / Good with QSB	AB/BR	WED
	0420 - 0427z	18 May	619 43 = 60155 56339 ... 83084 40855 = 000	Good with QSB	AB/BR	THU
	0420z	19 May	NRH		AB/BR	FRI
	0420z	20 May	803 44 = 75032 14672 ... 42355 56560 = 000		AB	SAT
	0420 - 0428z	21 May	218 43 = 80695 76781 ... 16668 32620 = 000	Fair, noisy with QSB	BR	SUN
	0420 - 0427z	22 May	976 43 = 44167 10803 ... 73612 48444 = 000	Fair, noisy with QSB	BR	MON
	0420 - 0429z	23 May	589 47 = 09764 88404 ... 55992 65243 = 000	Good	BR	TUE
	0420 - 0427z	24 May	434 42 = 15725 88666 ... 03445 63121 = 000	Fair with QSB	BR	WED
	04**22** - 0430z	25 May	267 47 = 15998 86700 ... 52042 73900 = 000	Good. Late start with short call-up	BR	THU
	0420 - 0428z	26 May	857 46 = 35371 79181 ... 33197 40411 = 000	Fair, heavy static	BR	FRI
	0420z	27 May	**231 48** = **12649 08179** ... **78314 50613** = 000	Fair, heavy static **Same msg & ID as 09 May**	BR	SAT
	0420 - 0428z	28 May	906 43 = 27687 30547 ... 55638 10731 = 000	Good with QSB	BR	SUN
	0420 - 0428z	29 May	263 41 = 37833 68734 ... 68619 79284 = 000	Fair, noisy with QSB	BR	MON
	0420 - 0428z	30 May	584 46 = 78828 25705 ... 56779 16820 = 000	Good with QSB	BR	TUE
	0420z	31 May	NRH		BR	WED

Jun 2017

4761	04**31** - 0438z	01 Jun	310 42 = 40818 10564 ... 25028 58104 = 000	Carrier up approx. 0410z but late start at 0431z	BR	THU
	0420 - 0428z	02 Jun	906 43 = 27687 30547 ... 55638 10731 = 000	Good with QSB Same msg & ID as 28 May	BR	FRI
	0420z	03 Jun	291 48 = **12649 08179** ... **78314 50613** = 000	Good. **Same msg as 09 & 27 May - Different ID**	BR	SAT
	0420z	04 Jun	NRH		BR	SUN
	0420z	05 Jun	319 47 = ... 54740 04677 = 000	Good. Late monitoring. Only last 5 grps copied	BR	MON
	0420z	06 Jun	NRH		BR	TUE
	0420 - 0428z	07 Jun	813 48 = 18971 29005 ... 62268 87284 = 000	Good with QSB	AB/BR	WED
	0420z	08 Jun	NRH		AB/BR	THU
	0420 - 0426z	09 Jun	962 49 = 14051 55971 ... 03363 12156 = 000	First 5 grps normal speed - rest extremely fast	AB/BR	FRI
	0420z	10 Jun	NRH		AB/BR	SAT
	0420z	11 Jun	NRH		AB/BR	SUN
	0420z	12 Jun	NRH		AB/BR	MON
	0416 - 0436z	13 Jun	Carrier only present - No FSK transmission		AB/BR	TUE

Nothing further was heard from HM02 on this frequency despite further monitoring, neither was any other schedule found in searches.

The last actual message sent from the station on 09 June was quite odd. The first five groups were sent at the usual speed, while the rest of the message was sent at an extremely high speed. Was this intentional or a technical problem? In either case, the station has not sent a message since, although a carrier was heard on 13 June.

It may be that the station has ended - at least for now, but it may well appear again on another schedule in the future.

HM02 4761kHz 0420z 20 May 2017

FSK-19.8bd/129Hz/FSK-CW

803 44 = (FSK Morse)

75032 14672 75133 65030 33511 02785 54482 64776 12158 57635
30255 57440 54571 46564 07268 56775 22671 32787 13551 71132
76816 66148 04477 06038 68223 46433 72626 44215 57882 18513
20270 25052 75445 53317 47453 50515 48700 78217 30476 66525
22050 10762 42355 56560 =

803 44

803 44 = (Repeat of msg) =

803 44 000

Courtesy AB

HM02 4761kHz 0420z 24 May 2017

434 42 = (FSK Morse)

15725 88666 52104 26513 08317 86487 68503 03376 31528 48285
77623 33462 75346 07678 68366 50420 45677 24151 32320 13525
81200 86084 73223 60014 00036 62444 25077 46031 40207 48254
61228 37073 42852 66832 88055 67510 07182 52101 12642 87886
03445 63121 =

434 42

434 42 = (Repeat of msg)

434 42 000

Courtesy BR

FSK by Danix

Monday 0025/0035/0125/0135z 14941/12221kHz Link ID 00117

01/05 Not decoded
08/05 No reports
15/05 No reports
22/05 **11177 00117 94185 19021 01879** 22736 10072 31074 80187 34713 44246 49842 57274 40560 04032 08699 23548 … *21185 00000*
29/05 **11177 00117 83175 26022 01469** 38721 33953 24835 92675 63179 52892 82054 10025 36239 75142 82829 99198 … *22144 00000*

0025/0035/0125/0135z 16218/13949kHz

05/06 **11177 00117 75786 05023 01579** 36479 72216 30215 65003 46602 58950 60837 82105 85507 38230 77769 11908 … *23155 00000*
12/06 No reports
19/06 **11177 00117 81694 16025 01759** 93543 64319 10945 62591 77411 91387 49313 87938 84008 68238 50592 68528… *25173 00000*
26/06 No reports

1st Wednesday 1840/1850/1900z 14363/12189/10346kHz

03/05 *87088 71551 05736 90984 90948 92979 56213 15965 72059 74686 39726 99563* … *50105 00000*

1840/1850/1900z 14621/12206/10465kHz

07/06 Null message

Friday 2230/2240/2330/2340z 20206/18031kHz Link ID 00116

05/05 **11177 00116 05018 01359**
12/05 **11177 00116 59316 12019 01599** 99520 83596 56302 07473 01675 78890 78031 03673 22153 38285 80869 33743 … *19157 00000*
19/05 No reports
26/05 **11177 00117 94185 19021 01879** 22736 10072 31074 80187 34713 44246 49842 57274 40560 04032 08699 23548 … *21185 00000*

2230/2240/2330/2340z 19224/17491kHz

02/06 **11177 00116 27565 02022 01679**
09/06 No reports
16/06 **11177 00116 64572 16024 01789** 88977 64303 09254 05946 92247 75481 28936 80210 51108 50646 25862 84724 … *24176 00000*
23/06 **11177 00116 26783 23025 01839** 27158 84565 68488 38752 45057 32721 34941 95741 22162 02297 43561 40312 … *25181 00000*
30/06 No reports

Saturday 1810/1820/1830z 15806/13512/11131kHz

06/05 Null message
13/05 Null message
20/05 Null message
27/05 Null message

1810/1820/1830z 16322/14804/12207kHz

03/06 Null message
10/06 Null message
17/06 Null message
24/06 Null message

M42d

Sunday **1530/1540/1550z** **19323/17536/14356kHz** **Link ID 10053**

07/05 Null message
14/05 Null message
21/05 **11166 10053 78302 19061 01609** *81552 63845 29492 54585 61376 11521 71287 28521 98092 40000 31158 32671* … *61158 00000*
28/05 Null message

1530/1540/1550z **19838/16238/13546kHz**

04/06 Null message
11/06 Null message
18/06 Null message
25/06 Null message

1st/3rd Monday **0400/0410/0420z** **11414/10169/8169kHz** **Link ID 70059**

01/05 Null message
15/05 Null message

0400/0410/0420z **12064/10926/9049kHz**

05/06 Null message
19/06 Null message

Tuesday **1500/1510/1520z** **17488/15623/12226kHz** **Link ID 00052**

02/05 Null message
09/05 Null message
16/05 Null message
23/05 Null message
30/05 Null message

1500/1510/1520z **16266/14453/12075kHz**

06/06 Null message
13/06 Null message
20/06 Null message
27/06 Null message

Tuesday **1650/1700/1710z** **19214/17419/14443kHz** **Link ID 10053**

02/05 Null message
09/05 Null message
16/05 Null message
23/05 **11166 10053 57381 22065 01669** *97206 84506 32354 47395 42497 52986 10452 22879 26319 12929 13291 72504* … *65164 00000*
30/05 Null message

1650/1700/1710z **19936/16354/13955kHz**

06/06 Null message
13/06 Null message
20/06 Null message
27/06 Null message

Wednesday **0600/0610/0620z** **17420/15673/13361kHz** **Link ID 40122**

03/05 Link ID 40122, Date 29th, Serial #17, Groups 474
10/05 No reports
17/05 Null message
24/05 No reports
31/05 No reports

0600/0610/0620z **17512/15930/13503kHz**

07/06 No reports
14/06 **11166 40122 85236 10024 03029** 83417 43455 97957 01538 97274 02556 74084 43014 97448 10265 61191 93125 … *24300 00000*
11166 40122 96741 10025 02999 20217 61377 02616 27130 71995 86244 24309 59771 43077 16086 20953 56657 … *25297 00000*
21/06 Null message
28/06 **11166 40122 85712 24026 04129** 99354 26935 62994 58229 54812 93415 58054 30314 16640 96988 85113 96631 … *26410 00000*

Wednesday **0800/0810/0820z** **14694/12223/10163kHz** **Link ID 70048**

03/05 Null message
10/05 Null message
17/05 Null message

24/05 Null message
31/05 Null message

0800/0810/0820z 14368/12204/10309kHz

07/06 Null message
14/06 Null message
21/06 Null message
28/06 Null message

2nd/4th Wednesday 0800/0810/0820z 17488/15823/13459kHz Link ID 00052

10/05 & 11/05 **11166 00052 38261 05014 04309** *59040 06115 46859 22078 60767 64800 60497 40426 82149 56282 05385 97356 … 14428 00000*

0800/0810/0820z 16330/14367/12141kHz

14/06 & 28/06 **11166 00052 78341 13015 02309** *59390 36123 47856 22078 60017 94818 61494 40426 82499 86290 06382 97356 … 15228 00000*

2nd/4th Wednesday 0915/0925/0935z 14638/12156/10164kHz Link ID 10031

10/05 Null message
24/05 Null message

0915/0925/0935z 15629/13376/11544kHz

14/06 Null message
28/06 Null message

1st/3rd Wednesday 1230/1240/1250z 17430/15814/13487kHz Link ID 90073

03/05 Null message
17/05 Null message

1230/1240/1250z 16286/14517/12179kHz

07/06 Null message
21/06 Null message

Thursday 1330/1340/1350z 16328/14358/11146kHz Link ID 80214

04/05 Null message
11/05 Null message
18/05 Null message
25/05 Null message

1330/1340/1350z 14565/12169/9981kHz

01/06 Null message
08/06 Null message
15/06 Null message
22/06 Null message
29/06 Null message

2nd/4th Saturday 0800/0810/0820z 14644/12193/10184kHz Link ID 70147

13/05 **11166 70147 36987 12056 00989** *56655 13198 97678 58128 32221 93975 80470 94306 48015 87306 85734 84902 … 56096 00000*
27/05 **11166 70147 63294 26057 00509** *52605 93102 97678 58128 38271 73989 80470 94306 44065 67310 85734 84902 … 57048 00000*

0800/0810/0820z 14948/12096/10374kHz

10/06 **11166 70147 38715 09058 01829** *81445 53185 98678 58128 67011 33962 81470 94306 73805 27393 86734 84902 … 58180 00000*
24/06 **11166 70147 69815 23059 01089** *40855 53109 98678 58128 26421 33986 81470 94306 32215 27317 86734 84902 … 59106 00000*

2nd/4th Saturday 0900/0910/0920z 17426/15818/13396kHz Link ID 70004

13/05 Null message
27/05 **11166 70004 13782 07094 01889** 45459 46335 12511 83155 75405 29070 44236 31383 84356 06256 35519 77552 … *94186 00000*
(repeat of 08/04 & 22/04!)

0900/0910/0920z 16314/14569/12191kHz

10/06 & 24/06 **11166 70004 23179 09095 00929** 95693 21064 43256 68552 81364 91978 90744 89876 76805 15543 86537 15462 … *95090 00000*

Saturday 1100/1110/1120z 15634/13547/11622kHz Link ID 50046

06/05 **11166 50046 74381 05094 03449** *14679 79072 92903 40530 71746 63687 57196 63673 19894 20168 70902 82228 … 94342 00000*
13/05 **11166 50046 95741 12095 05869** *67889 69089 92903 40530 24956 53694 57196 63673 62004 10175 70902 82228 … 95584 00000*

20/05 **11166 50046 82410 19096 03149** *44609 59086 92903 40530 01776 43691 57196 63673 49824 00172 70902 82228 … 96312 00000*
27/05 **11166 50046 37519 26097 02929** *47749 49093 92903 40530 04816 33608 57196 63673 42964 90189 70902 82228 … 97290 00000*

1100/1110/1120z 14689/12143/10186kHz

03/06 **11166 50046 36987 02098 01169** *25709 99079 93903 40530 82876 83684 58196 63673 20924 40165 71902 82228 … 98114 00000*
10/06 **11166 50046 91725 09099 01189** *59699 09076 93903 40530 16766 93681 58196 63673 54814 50162 71902 82228 … 99116 00000*
17/06 & 24/06 **11166 50046 97142 16001 00969** *52539 09083 93903 40530 19606 93698 58196 63673 57754 50179 71902 82228 … 01094 00000*

Saturday 2100/2110/2120z 18751/16174/14563kHz Link ID 40133

06/05 Null message
13/05 Null message
20/05 Null message
27/05 Null message

2100/2110/2120z 18323/15886/13581kHz

03/06 Null message
10/06 **11166 40133 51309 09031 02869** *57581 75046 72969 73572 11332 34635 02385 05053 53243 56828 07975 56314 … 31284 00000*
17/06 Null message
24/06 Null message

Logs sent by: Ary, Danix

X06 Mazielka (1c) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20170502	Tue	0736-0740	13320	1--6--	Danix/PL	X06b
20170502	Tue	0803-0807	14615	125643	Danix	G317
20170502	Tue	0803	15836	165423	EdwardSmith	Alert 2 (G12) 1 I. p. (last 5 secs)
20170502	Tue	0809-0821	12157	165423	Danix	2.2
20170502	Tue	0813-0820	18320	1--6--	Danix	X06b
20170502	Tue	0830-0834	14358	154263	Edward	I. p., G7
20170502	Tue	1202-1208	16188	325614	Edward	I. p., G392
20170505	Fri	0834-0846	16219	324615	Edward	I. p., G52
20170505	Fri	1812	17462	343434	LU5EMM	X06a before XPA2r
20170505	Fri	1813/1814	14828	343434	LU5EMM	X06a before XPA2r
20170505	Fri	1816/1818	14828	343434	LU5EMM	X06a before XPA2r
20170505	Fri	1819/1820	17462	343434	LU5EMM	X06a before XPA2r
20170511	Thu	0833-0834	14550	153624	Edward	I. p., G249
20170512	Fri	1004-1008	14863	615243	Edward	I. p., G127
20170512	Fri	1202-1222	13850	1--6--	Edward	X06b i. p.
20170514	Sun	1900	14538	145632	LU5EMM	G135 before XPA2m! (error?)
20170514	Sun	1914/1917	13538	1--6--	LU5EMM	X06b before XPA2m
20170514	Sun	1915/1918	14538	1--6--	LU5EMM	X06b before XPA2m
20170515	Mon	1116-1236	18790	1--6--	Ary/NL	Very long X06b i. p.
20170516	Tue	0831-0834	14615	125643	Edward, Ary	I. p., G383(1)
20170516	Tue	1847/1857	13538	1--6--	LU5EMM	X06b before XPA2m
20170516	Tue	1848-1849	14538	1--6--	tiNG,LU5EMM	X06b before XPA2m (S9+20 in DE)
20170516	Tue	1854-1855	14538	1--6--	tiNG	X06b before XPA2m (same signal)
20170516	Tue	1856	14538	1--6--	LU5EMM	X06b before XPA2m
20170516	Tue	1857-1858	14538	1--6--	tiNG,LU5EMM	X06b before XPA2m (S9+30 in DE)
20170517	Wed	1107-1112	14650	215346	Edward	I. p., G167
20170519	Fri	0826-0832	16219	324615	Ary	I. p., G189
20170523	Tue	1856	13538	1--6--	LU5EMM	X06b before XPA2m
20170523	Tue	1857	14538	1--6--	LU5EMM	X06b before XPA2m
20170525	Thu	1405-1412	14812	263145	Danix	G256
20170526	Fri	1044-1047	11240	1116--	Schorschi	Unusual X06b i. p. with S9
20170526	Fri	1810/1813	16114	1--6--	LU5EMM	X06b before XPA2r (again: 1817)
20170526	Fri	1811/1814	17462	1--6--	LU5EMM	X06b before XPA2r (again: 1818)
20170526	Fri	1915/1917	16114	1--6--	LU5EMM	X06b just before XPA2r
20170526	Fri	1918/1919	16114	1--6--	LU5EMM	X06b again just before XPA2r (S1)
20170527	Sat	1810/1813	16114	1--6--	LU5EMM	X06b before XPA2r
20170527	Sat	1811/1814	17462	1--6--	LU5EMM	X06b before XPA2r
20170528	Sun	1840/1900	13538	1--6--	LU5EMM	X06b before XPA2m
20170528	Sun	1844/1845	14538	1--6--	LU5EMM	X06b before XPA2m
20170528	Sun	1847/1901	14538	1--6--	LU5EMM	X06b before XPA2m
20170602	Fri	2027	9128	164253	Philby/US	R
20170605	Mon	1811-1813	16328	1--6--	Schorschi	X06b with S9
20170606	Tue	1202-1204	16188	325614	Edward	I. p., fair, G392 (with Codar)
20170608	Thu	0804-0805	14419	521634	Edward	I. p., G116
20170608	Thu	1520-1523	12161	564213	Schorschi	I. p., G118
20170608	Thu	1806	15884	1--6--	LU5EMM	X06b before XPA2p

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20170608 Thu 1807/1811 14984 1--6-- LU5EMM      X06b before XPA2p
20170608 Thu 1810      14384 1--6-- LU5EMM      X06b before XPA2p
20170609 Fri 1004-1005 13575 615243 Edward      I. p., G127
20170611 Sun 1803-1810 10114 145632 Schorschi   Alert 1 (S9, G135) 1 I. p.
20170611 Sun 1811-1812 10114 145632 Schorschi   1.2
20170613 Tue 1814/1822 14984 1--6-- LU5EMM      X06b before XPA2p
20170613 Tue 1815/1820 15884 1--6-- LU5EMM      X06b before XPA2p (again at 1823)
20170613 Tue 1939      15884 1--6-- LU5EMM      X06b after XPA2p
20170613 Tue 2036      14738 1--6-- Ary         X06b before XPA2
20170614 Wed 0907-0921 16116 134265 Edward      I. p., G90
20170615 Thu 0732-0942 15973 162543 Edward      I. p., very long, G175
20170618 Sun 1957/2001 13438 1--6-- LU5EMM      X06b before XPA2m (again at 2011)
20170618 Sun 1958/2002 14538 1--6-- LU5EMM      X06b before XPA2m (again at 2012)
20170620 Tue 0643-0648 12122 165324 Edward      I. p., R
20170620 Tue 0934-0942 18206 246531 Edward      I. p., G153
20170620 Tue 1005-1015 15687 154263 Edward      I. p., G148
20170620 Tue 1302-1316 13401 154263 Edward      I. p., G148
20170620 Tue 1811/1813 14984 1--6-- LU5EMM      X06b before XPA2p
20170620 Tue 1812/1814 15884 1--6-- LU5EMM      X06b before XPA2p
20170621 Wed 1102-1113 14650 215346 Edward      I. p., G167
20170622 Thu 1752/1754 15884 1--6-- LU5EMM      X06b before XPA2p
20170622 Thu 1753      14984 1--6-- LU5EMM      X06b before XPA2p
20170623 Fri 1004      15828 256134 Edward      I. p., G270
20170628 Wed 0902-0908 16116 134265 Edward      Alert 2 (G90) 1
20170628 Wed 0934-0942 13985 134265 Edward      2.2
```

- 1) Carrier still up at 0835, sent one time “154263”, then off.

Gizza Job

From the front cover ……

State of Surveillance
Are You a Spy Tech Nerd Who Can 'Climb Poles'? The US Embassy in Thailand Has a Job for You
Lorenzo Franceschi-Bicchierai

Apr 28 2017, 5:09pm
JOB ALERT!

https://motherboard.vice.com/en_us/article/spy-tech-nerd-who-can-climb-poles-us-embassy-in-thailand

Have you ever dreamed of fighting in the war on drugs? Are you both a geek and a good climber? Are you OK with high humidity, hot weather, and insane traffic jams? Well, the US Embassy in Thailand has a job for you.

The American outpost in Bangkok is looking for a "narcotics investigator" to help the Drug Enforcement Administration (DEA) with very specialized skills, including a degree in electrical or electronics engineering, and at least five years' of designing, installing, and using "vehicle surveillance, disabling devices with internet or cellular monitoring, internet based surveillance camera concealments, and technical investigative equipment," according to a job listing posted recently.

Oh, and you "must be able to climb poles or radio tower."

Read more: This Is the DEA's Internal Dictionary of Drug Slang

It's unclear exactly why a narcotics agent who—according to the job description—might need to carry a gun would also need to climb poles or radio towers, nor why the embassy felt confident this wasn't giving away too much information to local authorities, who might not be too happy with American agents climbing around.

When asked about the job, the US embassy said in an email that it "has to deal with technical operation involving mechanical, electronic and Internet/Cellular systems which sometimes [requires] candidates to climb poles or radio towers."

The job description says that the agent's responsibilities will be "developing, maintaining, and managing state of the art technical surveillance equipment and tracking devices," and he or she will need to prove "up to date knowledge of modern electronics theory and state of the art investigative technology."

"Basically bugging and spy shit."

Given that, it's likely the embassy wants the agent to climb up poles and towers to install surveillance gear. As the Thai blog for expats Stickboy Bangkok put it, this is "basically bugging and spy shit."

If you're wondering how common it is for an arm of the US government to be openly looking for spy-like skills in the open, Googling "must be able to climb poles or radio tower" only returns this job opening, which has been posted a few times in the last month. Sounds like a unique opportunity!

This story has been updated to include the US embassy's comment.

https://motherboard.vice.com/en_us/article/spy-tech-nerd-who-can-climb-poles-us-embassy-in-thailand

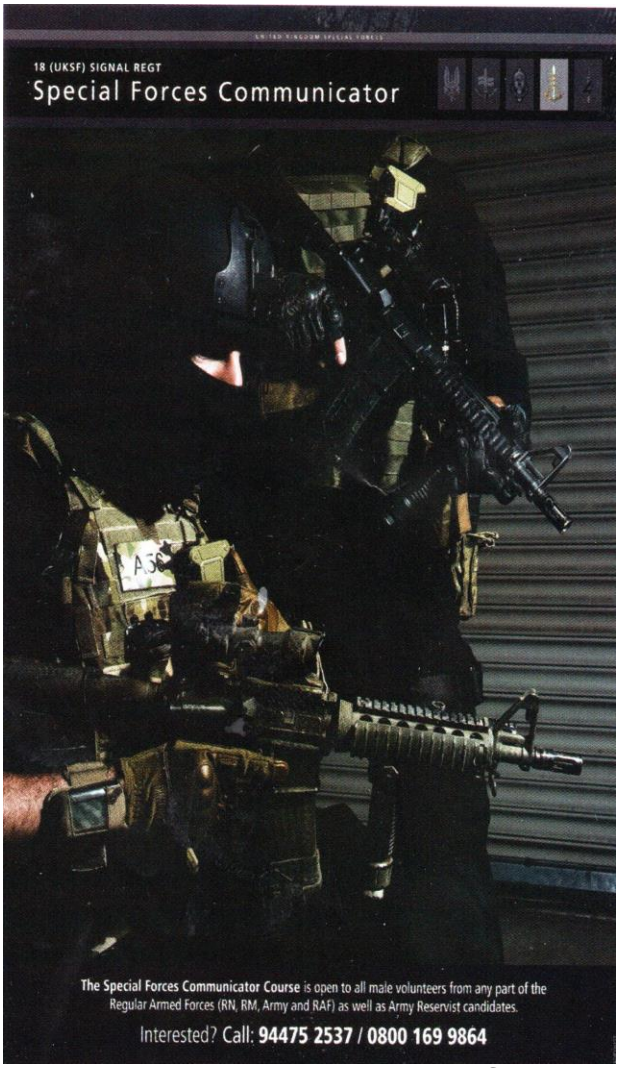
The advertisement reads:

" A minimum of five years' experience with design, installation, and use of vehicle surveillance, disabling devices with internet or cellular monitoring, internet

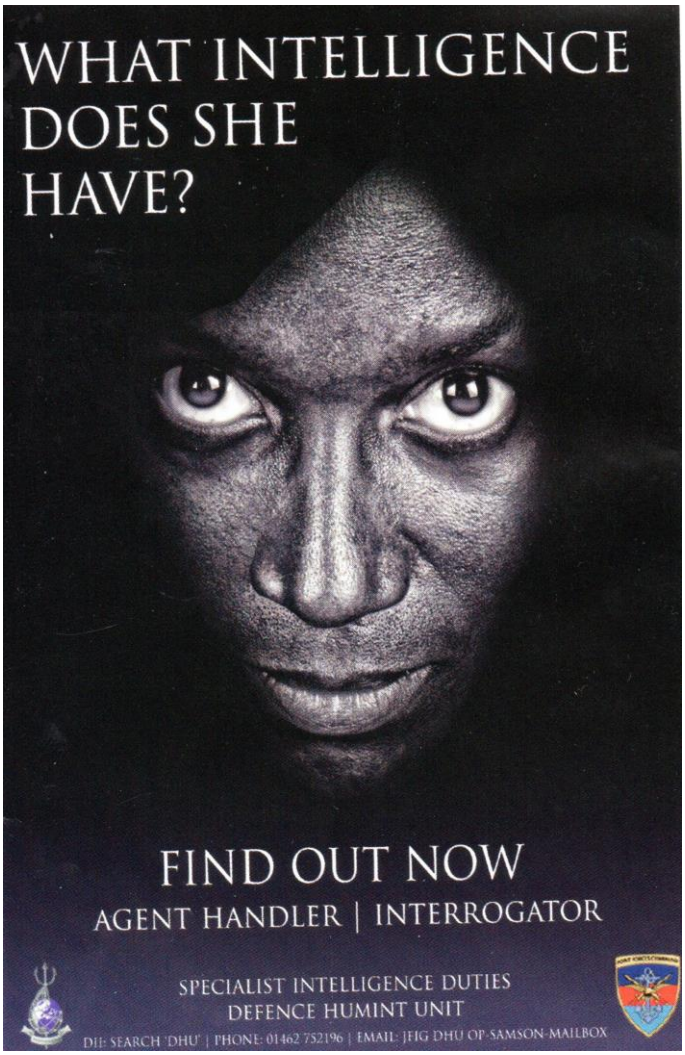
based surveillance camera concealments, and technical investigative equipment, to include audio/video transmitters and receivers using hard line, radio frequency, cellular and Internet network, and microwave transmission; and use and repair of two way radios to include VHF, UHF, and HF mobile and base stations are required."

There's a lovely set of antennae atop the embassy buildings in BKK, including the T2FD and the ever present SCS box, meaning they spy on the host country. Seen them a number of times whilst in BKK

Espionage from a foreign embassy – surely not!



Courtesy 'E'



Courtesy 'E'

PoSW's Newsround

Items of Interest in the Media:-

Smart meters - another blow against the Radio Hobby? For some time now the commercial breaks on TV in the UK have been featuring a short publicity item on the subject of "smart meters", an up-to-date contrivance to measure the amount of electricity and gas we consume. The traditional way of doing this is with a gadget that sits under the stairs or in an enclosure on an outside wall of the house which is read by an employee of the electricity and gas companies, usually every three months, who notes the indicated reading which is entered into a hand-held storage device, which initiates the procedure which results in the bill arriving a few days later.

These smart meters, apparently, display details of the consumption of electricity and gas on a readout, and communicate the details for billing purposes directly to the company using mobile/cell-phone technology. So the meter-readers are going to be out of a job, then. The word "smart" no doubt implies digital circuitry, microprocessors and all that goes with them, all powered by a switch mode power supply. As we all know, any device which uses this kind of technology is likely to be a source of radio frequency interference.

Just about any item of domestic electronics which uses digital circuitry and a switch mode power supply produces interference which causes problems to those of us who monitor the short-wave bands, especially on the lower frequencies, and the arrival of smart meters - which are to be compulsory - is awaited with some foreboding.

A few news items, all from The Times, about the only remaining paper not obsessed with the world of TV soap operas and the lives of D-list "celebrities", worth buying from time to time even it does cost £1.60. From the edition of 3-May comes a news item with the headline, "Isis hacker who hid terror files on cuff links is jailed", written by John Simpson and Duncan Gardham which says, "An Islamic State 'librarian' who stashed files on memory cards hidden in cuff links has been jailed for eight years after an international operation traced his links to an alleged anthrax plot in Kenya.

Samata Ullah, a self-radicalised hacker from Cardiff, trained jihadists in encryption techniques while compiling a library that included information on missile guidance systems and biological weapons such as anthrax. Ullah, 34, was tracked down to his bedroom in Cardiff after the arrest of a contact in Kenya who was allegedly planning an anthrax attack. When police raided Ullah's flat they found a memory card containing a copy of the academic textbook, Beyond Anthrax: The Weaponization of Infectious Diseases. It was not intended for use by terrorists.

Ullah was part of a group of Isis hackers calling themselves the 'cyber caliphate army' which was led by the British jihadist Junaid Hussain, who was convicted of hacking and leaking Tony Blair's personal data. Hussain, 21, was killed in a drone strike by the RAF in September 2015. Ullah bought 30 pairs of metal cuff links on a Chinese website, using the name Cardiff Trader, and police believe that he was planning to upload encryption software and pass it on to terrorists. He had caught the attention of Isis commanders, and the security services regard him as a 'big catch' because the encryption techniques he was teaching were helping jihadists to 'go dark', or stay hidden on line.

Brian Altman, QC for the prosecution, told the Old Bailey: 'This defendant represents a new and dangerous breed of terrorist. He is a cyber terrorist who deployed his not inconsiderable self-taught information skills to further the cause of terrorism, and in particular the cause of Isis. 'All this he did from the relative safety, or so he thought, from his bedroom in Cardiff.' Judge Gerald Gordon jailed Ullah for eight years, with five years on licence after release. Ullah had been in regular communication with a man called Mohamed Abdi Ali, a medical intern at a Kenyan hospital, who used the name Abu Fidaa.

When Mr Ali was arrested in April last year a Samsung mobile telephone was found in his pocket. Analysis by the FBI revealed messages to Ullah on an encrypted telegram forum called 'Khayr'. Mr Ali has not yet been tried. In one message Ullah wrote: 'It is my sincere intention to pass on whatever advice and knowledge I have and contribute it to the Khilafah (caliphate). In on line tutorials, Ullah used a voice modification system to hide his Welsh accent. His 'library' of videos and reading materials was posted on a blog called Ansar al-Khilafah, hosted in the US by Wordpress, which said it had 'everything about the Islamic State' including 'news updates, all medial releases, fatwa and articles about Khilafah'. Wordpress did not delete the site until last week. The videos were hosted on a separate French site called Dailymotion under the name 'OpsecIT', a reference to operational security.

Ullah told his followers that he would teach them how to hide a bomb-making manual and added: 'There will be no trace of that activity on your PC at all. You won't get arrested and jailed.' He also had books entitled Guided Missile Fundamentals and Advances in Missile Guidance, Control and Estimation.

Drone news:- Even Fat Boy Kim has some of these aeronautical toys, according to The Times of 24-May in a short item which came from Reuters with the headline, “Shots fired at North Korean 'drone'” which says, “Seoul- South Korea's military fired warning shots at a suspected drone from North Korea amid rising tension over Pyongyang's latest missile test. More than 90 shots were fired and the device disappeared from Radar screens. China has condemned North Korea's latest missile trial, on Sunday. Wang Yi, the foreign minister, urged its communist neighbour 'not to do anything to again violate UN security council resolutions'. The security council also denounced the launch.”

Frau Merkel is watching you:- From The Times of 13-June comes a piece by David Charter, in Berlin with the headline, “Germany to change law on digital access” with goes on to say, “Laws to enable security services to see messages before they are encrypted by providers such as Whatsapp are being drawn up in Germany because of concerns over secret communications by Islamist terrorists.

Angela Merkel's government believes the same balance of eavesdropping and privacy should exist in the digital age as in democratic societies in the analogue era of letters and phone calls. Mrs Merkel aims to put digital security on the agenda for next month's G20 summit she is hosting in Hamburg. Theresa May has also called for a global approach to regulating digital providers, saying during the election campaign that there should be no 'safe space' for terrorist ideologies. Germany is known as one of the most protective countries for personal privacy because of the legacy of snooping by the Nazi regime and Stasi secret police of communist East Germany. However, terrorism in Europe is fuelling calls for change.

British authorities were incensed they could not access the last Whatsapp message sent by Khalid Masood, the Westminster attacker, minutes before he began his killing spree by driving into pedestrians and fatally stabbing a policeman. The messaging company, owned by Facebook, said its service was so secure that no one but sender and recipient could see a message, not even Whatsapp itself. 'We want messenger services to have an end-to-end encryption so that the communication of respectable citizens is undisturbed and secure,' said Thomas de Maiziere, the German interior minister. 'Nevertheless, security authorities need the option of access under certain circumstances, as is the case with SMS text messages.' That would allow the authorities to read a suspect's communication before it was encrypted, he said.”

Point to ponder:- “Our liberty depends on freedom of the press, and that cannot be limited without being lost.” - Thomas Jefferson, 3rd President of the United States.

00000 “Peter of Saffron Walden”

Spectre’s News takes:

http://www.express.co.uk/news/world/802163/islamic-state-beheads-russian-spy-vladimir-putin-russia-victory-day-parade-syria

ISIS beheads Putin’s spy and releases video on Russia’s Victory Day parade **The Express 09/05/2017**

ISLAMIC State claims it has beheaded a Russian spy captured in Syria.

The jihadists released a chilling 12 minute video of the killing boasting of its successes against Russian forces in Syria.

According to US-based SITE monitoring website, the video shows a man dressed in a black jumpsuit kneeling in the desert urging Russian agents to surrender.

The video, which also features images of Russian president Vladmir Putin, shows a bearded man wielding knife stands behind the man, said to be a Russian intelligence officer.

A narrator: "This idiot believed the promises of his state not to abandon him if he was captured.”

Moments later the man is beheaded.

The authenticity of the recording and the identity of the man could not immediately be verified, nor was it clear when the killing occurred.

Russian senator Viktor Ozerov, who heads the defence committee in Russia's upper house of parliament, said the defence ministry would check the authenticity of the video.

He told Russia's Interfax news agency: "Even if it is a fake, it shouldn't be left without attention. If it happened, then there will be hell to pay."

Russian forces are backing Syrian President Bashar al-Assad in his war with rebels and militants seeking to oust him.

The video showed scenes of what it described as the aftermath of Russian bombing raids in Syria.

The Russian defence ministry says about 30 Russian servicemen have been killed since the start of the Kremlin's operation there in September 2015.

The FSB security service were not immediately available for comment.

It comes as Russia marks the 72nd anniversary of the victory over Nazi Germany with nationwide Victory Day parades in a show of military force.

ISIS has long released propaganda videos of militants beheading prisoners with aid workers, journalists and soldiers among their targets.

The terror group continue to lose ground in Syria with a group of Kurdish and Arab militias supported by the US capturinga district of the town of Tabqa from ISIS on Monday.

The Syrian Democratic Forces (SDF) has been fighting ISISin Tabqa for weeks, aiming to capture not just the town but its Euphrates dam, a vital strategic objective before assaulting the jihadists' regional stronghold of Raqqa.

Russia's defence ministry denied a Russian serviceman had been captured and executed by ISIS, Russian news agencies reported.

The Russian defence ministry did not reply to a Reuters request seeking comment.

http://www.bbc.co.uk/news/magazine-39863781

A Russian honeytrap for Gen Flynn? Not me... **BBC News 12/05/2017**

When Svetlana Lokhova saw the internet light up with suggestions she was a Russian spy, she initially thought it was a joke. But the Russian-born academic soon found herself, in her words, "collateral damage" in the controversies surrounding the Trump administration and the swirl of allegations about Russian espionage.
The claims revolved around her contact with Gen Michael Flynn in Cambridge in 2014. Flynn resigned after just 24 days as US National Security Adviser after allegations he had failed to be honest about contacts with the Russian Ambassador to the US during the transition to the Trump administration.
After his resignation in February, there were reports in the US and UK media about Lokhova, including the claim that Flynn's contact with Lokhova "troubled" US intelligence officials. On social media, the suggestion was that she was some kind of Russian spy or honeytrap.

"Are you a Russian spy?" I begin by asking her. "Absolutely not," she replies. "I have no formal or informal connection with Russian intelligence whatsoever."
She acknowledges that the cynical will respond: "She would say that wouldn't she" - which has left her in what she describes as a "Kafkaesque situation'".
The context of the story, she acknowledges, was part of the problem. She is female, originally from Russia and linked to Cambridge, home of the famous Cambridge spy ring recruited by the KGB in the 1930s.
"There is a sad irony that someone who is writing about Cambridge traitors ended up being painted as one herself," she says.
The story begins with a dinner in February 2014 in Cambridge. The dinner was organised by Sir Richard Dearlove, former head of MI6 and then master of Pembroke College, who was starting up an organisation called the Cambridge Security Initiative (CSI). Also involved was Christopher Andrew, authorised historian of MI5 and a professor at Corpus Christi College.

The guest of honour at the dinner - which had around a dozen or so attendees - was Flynn, then head of America's Defense Intelligence Agency (DIA). The aim was to build a relationship between CSI and DIA ahead of a conference the following year, says Lokhova.
"The hope by DIA was that by visiting top universities in Europe they would be able to spot people who would be able to help or assist their organisation," she says.
At the dinner she was seated a fair distance away from Flynn. After more senior officials had talked, junior members were asked to talk about their research.
As an expert on Soviet intelligence in the 1930s, Lokhova says she was asked to present some of her research. "The idea was that I would impress the DIA with the Cambridge pedigree of research."
Lokhova showed Flynn a 1912 postcard from Stalin to the fiancee of his best friend. The fiancee was helping Stalin obtain a fake passport to escape surveillance when he was an early revolutionary working against the Tsarist regime.
"The first reaction was that of amusement," Lokhova says. She translated the document and explained how it showed that Stalin was the most spied-upon leader in history as well as the one who later spied on people the most.

She says Flynn asked her to send the document to him. This was because he was expecting some senior officials visiting Washington from Russia. At this point, there was a move towards trying to increase co-operation with Russia in the field of counter-terrorism, as it had recently emerged that those involved in the 2013 Boston bombing had been known to the Russians.
Lokhova says both Flynn and his assistant provided their emails, looking forward to using the postcard to break the ice when the Russian officials arrived in Washington.
Claims she was asked to travel to Russia and act as his translator, Lokhova says, are not true. She says she exchanged some emails with Flynn and his assistant after the event, although Flynn soon after left the DIA, after reportedly being forced out. "We had maybe a few emails going backwards and forwards," Lokhova says. These included details of events at Cambridge.
She says Flynn was also interested in Russian espionage and she sent him a BBC story (written by myself, in which I had interviewed Lokhova) about a "sixth man" in the Cambridge spy ring.
"Gen Flynn replied to me saying how it is important to keep exposing espionage and making it accessible to not just intelligence officials but regular people."
US media claimed the problem for Flynn may have been that he should have declared his contact with Lokhova as a Russian. British media then followed up on the Cambridge connection saying that both the CIA and FBI were discussing this episode. A lawyer for Flynn declined to comment.

On social media and websites, people went further, saying that Lokhova was a Russian spy or agent targeting Flynn. That led to a flurry of further press interest and journalists outside her house and asking friends and neighbours if she was a spy. She moved out of her flat to avoid them.
She says the accusation that she recruited Flynn - under the eyes of a former head of MI6 and the official historian of MI5 - is ludicrous. "Apparently I managed to turn General Flynn in 15 minutes with a postcard which Josef Stalin sent in 1912," she says.
"If I did recruit Flynn that would have been one of the greatest - if not the greatest - Russian coup of all times. So it is utterly ridiculous, totally unbelievable. But, for some reason, the world today is such that people buy it."
Lokhova was born in Russia but took British citizenship soon after coming to the UK in 1998 (whilst retaining her Russian citizenship). "I am British and I have a British passport… If I were indeed a Russian spy that would make me a traitor… For me, it's very normal to have contact with current and former intelligence officials because of the field I am in," she says, denying reports she has any kind of "special access" to Russian intelligence archives. "It is absolutely not the case," she says.

http://www.telegraph.co.uk/news/2017/05/20/british-us-spies-risk-wikileaks-publishes-top-secret-cia-spyware/

British and US spies at risk after WikiLeaks publishes top-secret CIA spyware document **The Telegraph 20/05/2017**

WikiLeaks' latest dump of top-secret CIA surveillance technology could seriously compromise and even threaten the lives of agents around the world, cyber-security experts have warned.

The anti-secrecy group published hundreds of pages of classified material relating to its Athena/Hera computer spyware on Friday.

It came the same day WikiLeaks founder Julian Assange had a rape investigation against him dropped by authorities in Sweden.

The release of the secret US intelligence dossier detailing the design and potential uses of one of its most up-to-date tracking tools is likely to be greeted with dismay by international spy agencies.

However Assange, who has refused to leave the Ecuadorian embassy in London since 2012, tweeted, “I do not forgive or forget”.

Athens/Hera runs on older Microsoft operating systems such Windows XP and Windows 8 to the company’s latest product Windows 10.

It appears to have entered development in August 2015, and was rolled out in February last year, the documents suggest.

Sean Sullivan, security advisor at F-Secure, said: “It looks to me like a classic back door, which is extremely useful if you want to track an individual.

“If someone’s going through airport security, for example, a CIA agent would have the ability to put this on, track him around the world, have a back door and the computer calls home to us.

“The CIA does human intel, so this is something that a CIA agent likely put onto a machine that he or she has physical access to.

“It means that when someone travels the programme will ping back to me and I can track where they are in the world.

“It might also be used to reveal the public IP address of someone running [dark web browser] Tor somewhere.

Asked whether Athens/Hyena could be used to track government officials or other persons of interest to hostile groups, Mr Sullivan replied: “It depends what kind of tools they have to get it on the machine - physical access as opposed to remote access.

He added: “The bigger concern for them, because this involves human intel, is that now that this has been leaked the people who might still have this on their computers will be able to find it, and they might be able to find out who the asset is working for the CIA.

“If there’s only three people who have access to the machine, then that’s the bigger concern for the CIA - the safety of the agent or asset.

“For Five Eyes agents around the world and the western democracies working with the CIA or using the CIA’s tools that’s a great concern.

Mr Sullivan said: “Tools like this are not protected by antivirus because they’re not widely deployed.

“The CIA wants to use this tool sparingly to maintain their ability to use it. If it’s widely deployed it very quickly gets caught.

WikiLeaks was last month denounced by newly-appointed CIA director Mike Pompeo as a threat to U.S. national security.

"Assange and his ilk", he claimed, profess to acting in the name of liberty and privacy, but in reality their mission is "personal self-aggrandisement through the destruction of Western values."

"WikiLeaks walks like a hostile intelligence service and talks like a hostile intelligence service," Mr Pompeo said.

US officials are also understood the believe Russia or hackers working for Vladimir Putin could be behind a spate of recent releases of classified intelligence material.

http://www.bbc.co.uk/news/world-us-canada-39989142

China crippled CIA by killing US sources, says New York Times **BBC News 21/05/2017**

Up to 20 CIA informants were killed or imprisoned by the Chinese government between 2010 and 2012, the New York Times reports, damaging US information-gathering in the country for years.
It is not clear whether the CIA was hacked or whether a mole helped the Chinese to identify the agents, officials told the paper.
They said one of the informants was shot in the courtyard of a government building as a warning to others.
The CIA did not comment on the report.
Four former CIA officials spoke to the paper, telling it that information from sources deep inside the Chinese government bureaucracy started to dry up in 2010.
Informants began to disappear in early 2011.
The CIA and FBI teamed up to investigate the events in an operation one source said was codenamed Honey Badger.
Beijing offers hefty cash reward for tip-offs on foreign spies
China warns of "dangerous love" with spies
CIA operations could be disrupted by new Wikileaks release
The paper said this investigation had centred on one former CIA operative but there was not enough evidence to arrest him. He now lives in another Asian country.
In 2012, an official at China's security ministry was arrested on suspicion of spying for the US. He was said to have been lured into the CIA. No other such arrests appear to have reached public attention during that time.
Obama questioned slow intelligence
Matt Apuzzo, a New York Times journalist who worked on the story, told the BBC: "One of the really troubling things about this is that we still don't know what happened.
"There's a divide within the American government over whether there was a mole inside the CIA or whether this was a tradecraft problem, that the CIA agents got sloppy and got discovered, or whether the Chinese managed to hack communications."
A few years later in 2015, the CIA pulled staff out of the US embassy in Beijing, after a hack blamed on the Chinese state exposed information about millions of US federal employees. If the events of 2010-2012 were helped by a similar hack, it was not one that was made public.
The disappearance of so many spies damaged a network it had taken years to build up, the New York Times reports, and hampered operations for years afterwards, even prompting questions from within the Obama administration as to why intelligence had slowed.
Officials said it was one of the worst security breaches of recent years.
By 2013, the Chinese government seemed to have lost its ability to identify US agents and the CIA moved back to trying to rebuild its network.

Mr Apuzzo continued: "For many years China and the US have been locked in this spy battle that's been going on behind the scenes. While doing this story we uncovered that Chinese intelligence have been able to infiltrate an NSA outpost in Taiwan. It goes back and forth."
The story was published during a temporary vacuum at the top of diplomatic relations between the two countries.
The Trump administration has named Terry Branstad, who is the governor of Iowa, as its ambassador to China but he has not yet moved to Beijing.
Cui Tiankai, China's ambassador to the US, has not commented, but in a recent press release, he mentioned "the current positive momentum that the China-US relationship enjoys".

https://www.buzzfeed.com/tomwarren/secrets-of-the-spy-in-the-bag?utm_term=.tw2YE6wq6g#.lsMrJPqYPM

The Secrets Of The Spy In The Bag **Buzz Feed News 20/06/2017**

After the dead body of an MI6 spy was found locked in a sports bag in London, police said the death was "probably an accident" – but British and American spy agencies have secret intelligence suggesting Gareth Williams may have been assassinated over highly sensitive work on Russia.

A British spy whose naked body was found decomposing in a padlocked sports bag in his bathtub is among at least 14 people suspected of having been killed by Russian assassins on British soil, BuzzFeed News can reveal.

Police declared the death of Gareth Williams "probably an accident" – but British intelligence agencies have been secretly communicating with their American counterparts about suspicions that the spy was executed by Russian assassins, four US intelligence officials told BuzzFeed News.

An ongoing BuzzFeed News investigation has revealed that British and American spy agencies have intelligence connecting a string of suspected assassinations in the UK to Russian state agents or organised criminals – who sometimes cooperate. One high-ranking US intelligence source said: "The Kremlin has aggressively stepped up its efforts to eliminate and silence its enemies abroad over the past couple of years – particularly in Britain." A second serving official said the circumstances of Williams' death and 13 others "suggest Russian involvement" and demand "more investigation from the UK". In all 14 cases, police ruled out foul play while intelligence agencies secretly compiled information connecting the deaths to Russia.

Williams, a 31-year-old codebreaker for Britain's Government Communication Headquarters (GCHQ), had been assigned to MI6, and in the months before his death, sources said, he was working with the US National Security Agency. Two senior British police sources with direct knowledge of the case said some of his work was focused on Russia – and one confirmed reports that he had been helping the NSA trace international money-laundering routes that are used by organised crime groups including Moscow-based mafia cells. The NSA did not respond to requests for comment.

An independent coroner who oversaw the inquest into the spy's death noted in a narrative verdict that it was probably "criminally mediated". That conclusion "wasn't what the government wanted," according to a high-ranking MI6 officer who was serving when the spy died, because it "gives validity to an assumption there was some conspiracy", for which he insisted there was "absolutely no evidence".

Scotland Yard, the HQ of Britain's premier police force, pledged to look into the case further. Then, in 2013, it announced that Williams' death was likely accidental. Scotland Yard declined to answer a detailed list of questions sent by BuzzFeed News. Citing national security, the British government refused to discuss the specifics of the Williams case or any of the other 13 deaths revealed by BuzzFeed News, but said in a statement that it "takes seriously its obligation to protect people in the UK from hostile state activity – including assassinations".

Williams went missing in August 2010, and the security services failed to notify the police when he didn't turn up for work. After his sister raised the alarm with GCHQ, detectives went to his secret service flat in Pimlico – just over the bridge from MI6's Vauxhall headquarters – and discovered his body.

Detective Chief Inspector Colin Sutton, who has now retired, was the most senior officer to attend the scene. He told BuzzFeed News he immediately suspected foul play and believed that the flat had been cleaned up to destroy evidence before the police arrived.

It was a warm August day, but the heating had been turned up to full blast inside and "the flat was absolutely baking", Sutton told BuzzFeed News. "I imagine that was done deliberately to try to accelerate decomposition." The body was so badly decomposed that it was impossible for pathologists to determine whether Williams had certain poisons in his system when he died, his inquest heard.

Williams' body was in a red North Face sports bag which had been placed in the bath – but police found no fingerprints or traces of Williams' DNA on the rim of the tub, on the bag's zipper, or on the padlock. The key had been placed under the spy's decomposing body inside the bag.

Williams' laptop, mobile phone, and other materials were all laid out neatly on a table in the living room. To Sutton, it appeared that someone had "staged" the crime scene – wiping the flat down to remove DNA and fingerprints, removing incriminating evidence, and leaving out decoy items out for the police to find easily. "It was pretty bloody obvious," he said. "It was too clean. It was too easy. It was all there on a plate for us."

Even though Williams had been dead for about 10 days by the time his body was found, no one at GCHQ or MI6 had alerted the police – and even when they realised he was missing, both agencies delayed taking action. Williams' sister had alerted GCHQ that her brother was missing at around 11.30am, Sutton said, but it was not until around 4.30pm that the spy agencies called the police and requested they visit his flat. "What," Sutton asked, "went on in those missing five hours?" He told other investigators of his concerns about the crime scene, he said, "but people kind of shrugged their shoulders".

A high-ranking counter-terror detective who helped oversee the investigation into Williams' death and asked not to be named told BuzzFeed News that he understood the spy had been working on Russian intelligence-gathering in his final months, and said his death ranked "at the top end of suspiciousness".

Williams' highly secretive work created immediate obstacles for the police. The murder detectives involved were blocked from interviewing his colleagues at MI6 or reviewing relevant documents. Instead, they had to rely upon police officers from SO15, the national counter-terrorism force, who had the security clearance to review the material and pass along anonymised notes.

The detective chief inspector in charge of the case, Jackie Sebire, did not even learn of some of the evidence relevant to the case – including nine computer memory sticks in a bag found at Williams' MI6 office – until the coroner's inquest more than 18 months later. "Naturally, she was upset," Sutton told BuzzFeed News. Sebire did not respond to a request for comment.

In the wake of Williams' death, the police briefed the media that he had been visiting bondage websites and drag clubs and had a £15,000 collection of women's designer clothing. The MI6 insider who spoke to BuzzFeed News said Williams' "sexual proclivities were sufficiently unusual" to justify the "assumption" that he had asphyxiated by accident in a sex game gone wrong.

A key question during the inquest was whether the spy could have got into the North Face bag by himself. A pathologist for the Home Office said this was possible, but Peter Faulding, an expert who specialises in rescuing people from confined spaces, said he tried to lock himself into an identical bag 300 different times but failed.

Key evidence was lost because Williams' body had been decomposing for around 10 days by the time it was found, meaning postmortem examinations could not determine whether he had been drugged or poisoned before his death. MI6 offered the family a "profound apology" for the delay in reporting Williams' disappearance.

Williams' family declined to speak with BuzzFeed News, but lawyers for the spy's parents and sister said in court the family believed a third party had been involved in his death or had destroyed evidence at the scene, and they suspected this person "was a member of some agency specialising in the dark arts of the secret services".

The coroner, Fiona Wilcox, delivered an open verdict, saying that though there was likely criminal involvement in Williams' death, she could not say with

certainty. Scotland Yard undertook to investigate further, but 18 months later officers announced that Williams had “probably” died by accident. At a press briefing, Deputy Assistant Commissioner Martin Hewitt said that he believed it was “theoretically possible” Williams had padlocked the bag from the inside, though he conceded that “many questions remain unanswered”.

Hewitt strenuously denied that intelligence agencies had covered up what happened to Williams. “I do not believe that I have had the wool pulled over my eyes,” he said.

At the same time, BuzzFeed News has learned MI6 was sitting on secret US intelligence suggesting Williams’ death could be connected to his work on Russia. American officials did not disclose details of the intelligence they have relating to Williams’ death, but four high-ranking intelligence sources confirmed that the information had been shared with Britain’s secret service.

After the police announced in 2013 that they believed his death was an accident, the family released a statement: “The fact that the circumstances of his death are still unknown adds to our grief.”

http://www.bbc.co.uk/news/world-europe-40367736

Yuri Drozdov: The man who turned Soviet spies into Americans **BBC News 23/06/2017**

Yuri Drozdov once said it could take up to seven years to train an "illegal", the Soviet spies planted abroad under false or assumed identities, sometimes for decades.

As former chief of the KGB intelligence agency's Directorate S, which managed the illegals programme, Drozdov knew more than most about what it took to prepare someone for the task.

He had to train Soviet agents to talk, think and act, even subconsciously, like the regular American, Brit, German or Frenchman they would become from the moment they touched down on foreign soil.

KGB agents in the US and elsewhere would wander around cemeteries in search of children who had died that would have been a similar age as recruits being trained. It was a useful way to steal a real identity in a pre-internet age.

A detailed "legend", or biography, would be devised, and a birth certificate printed. Churches would be paid off to erase the death record.

It was expensive, painstaking work. Some would-be illegals were trained for years, but ultimately judged unsafe to deploy.
Speaking Russian in one's sleep was grounds for a promising recruit to be dismissed.
'There should be no contact'

Drozdov died on 21 June at 91 years of age. It was the end of the life of a man who spent decades in the upper echelons of the KGB and carved out a legendary reputation from his time heading one of the most secretive and infamous programmes in Soviet intelligence.

Unlike "legal" spies, who were posted abroad under diplomatic or other official cover, illegals were on their own - working normal jobs, living in suburbs and operating without the diplomatic immunity enjoyed by other agents should they be caught.
Have you got what it takes to be a spy?

The KGB spy who lived the American dream

In a 2010 interview, Drozdov described a pair of illegals - a man and a woman - deployed to the US via West Germany and posing as a couple.

"When I worked in New York, I would sometimes come around their house. I would drive past, look up at their windows," he told the Rossiiskaya Gazeta newspaper.

But he didn't go inside - the risks being too great for such face-to-face meetings. There should be "no contact with illegals", he said. "None."

Information gathered by these "deep cover" agents was funnelled back to handlers through clandestine means - including dead-drops, by radio, or covert meetings abroad.

Announcing Drozdov's death, the cause of which was not specified, Russia's Foreign Intelligence Service, the SVR, described him as "a true Russian officer, a decent man, a wise commander".

But much remains unknown about his life and operations he was part of, the details hidden in Russian security archives.
Bridge of Spies

Drozdov was "a legend" in the KGB First Chief Directorate, and still is considered as such in the SVR, says Mark Galeotti, a senior researcher at the Institute of International Relations in Prague and an expert on Russian security affairs.

His father was in the Bolshevik worker militias known as the Red Guards and he served in the Second World War as an artilleryman.

Graduating from the Military Institute for Languages, a key finishing school for Soviet spies, Drozdov joined the KGB in 1956.

Rudolf Abel, the most famous illegal, was arrested in New York in 1957 and later famously exchanged with the USSR in return for the captured US pilot Gary Powers on a Berlin bridge in 1962.

Yuri Drozdov, then a young KGB agent based in East Germany, helped organise the swap, the subject of Steven Spielberg's 2016 thriller Bridge of Spies.

Rudolf Abel: The Soviet spy who grew up in England

Later, in 1975, after a stint in China, he became the "rezident" - or chief KGB officer - at the Soviet Union's UN office in New York, before taking up his position as head of Directorate S in Moscow four years later. After retiring in 1991, he ran a consulting firm.

The Bridge of Spies episode was not the first time Drozdov would be on the ground for a key moment in Cold War history.
In December 1979, he led KGB forces that stormed the Afghan presidential palace toppling President Hafizullah Amin, paving the way for the Soviet invasion.

"This was a guy who spanned the ultra-cerebral world of the spymaster and the action man world of Spetsnaz [special forces]," Mr Galeotti says.

He would later, in 1981, instigate the creation of a new KGB special forces unit called Vympel.

Behind enemy lines

Drozdov's penchant for "hands-on" work is clear. "I would not give top marks to Nato's Special Forces, nor to the American system of training," he said in a 2011 interview. "What they do is try to carry out their special operations without 'getting their hands dirty', and that, to my mind, is a rather dubious business."

He also described caches of equipment hidden in "a number of countries" for sleeper agents to use behind enemy lines in the event of a crisis.

"Whether they are still there [or not], let that be a headache for foreign intelligence services," he said.

Much remains secret about the illegals programme, including the number of people involved. It is estimated that hundreds may have been planted in total by the Soviet Union during the Cold War.

Vadim Alekseevich Kirpichenko, Yuri Drozdov's predecessor at the top of Directorate S, described them as agents "artificially created by us", who return to Russia after years of covert service abroad and often speak their native language with an accent.

What recruiters looked for in an illegal was "bravery, focus, a strong will, the ability to quickly forecast various situations, hardiness to stress, excellent abilities for mastering foreign languages, good adaptation to completely new conditions of life, and knowledge of one or several professions that provide an opportunity to make a living," he told the journalist Konstantin Kapitonov, according to the online Espionage History Archive.

But other traits, "ones that are elusive and hard to transmit into words, a special artistry", are also required to be able to forget one's identity and become someone else.

Long read: The spy with no name

While the deployment of deep-cover agents to try and obtain information and get close to powerful people makes much less sense in today's digital world, the demise of the Soviet Union did not signal the end of the illegals programme - and Drozdov's legacy lives on to some extent.

In 2010 a group of 10 Russian "sleeper agents" were arrested in New York. Some lived as couples and had grown-up children.

The story inspired hit US TV show The Americans, which portrays the life of a Russian spy couple working as travel agents in American suburbia by day and setting honey traps and assassinating people by night.

The group caught in real-life have been mocked for their ineptitude, however, and were reported not to have actually obtained any secrets.

They were later swapped with Russia for four Russian nationals said to have worked for Western intelligence.
But other alleged modern-day illegals have popped up elsewhere, including in Spain.

"It's certainly a diminishing aspect [of Russian spycraft]," says Mr Galeotti, "but obviously where you have people already in place, unless you have a reason to do so, you leave them there just in case."

http://www.telegraph.co.uk/news/2017/06/26/hms-queen-elizabeth-set-leave-dockyard-first-time-sea-trials/

HMS Queen Elizabeth squeezes out of dockyard for the first time - and Russian spies are watching **The Telegraph 27/06/2017**

Britain’s largest ever warship has squeezed out of its dockyard, as the ship heads out on sea trials.

The 65,000 ton HMS Queen Elizabeth slipped out of Rosyth dockyard and into open water through an exit with only 14in clearance on either side and 20in of water under the keel.

The aircraft carrier then edged along the Forth under three bridges, including the landmark rail bridge, with a little over six feet to spare.

The trials mark the latest milestone in the nearly decade-long building of the Royal Navy’s two carriers, at a cost of more than £6bn.

The Navy is also preparing for the warship’s first appearance to attract a concerted Russian spying effort, with submarines, ships and planes try to get a good look at the UK’s new flagship.

A Royal Navy warship is expected to escort HMS Queen Elizabeth, while shore-based helicopters look out for submarines as commanders try out the warship in the North Sea and Moray Firth.

Cdr Fiona Percival, head of logistics on the ship said: “[The Russians] will come and look, but they look at everything.”

Cdr Mark Deller, commander air, said the ship would be accompanied by a frigate or destroyer.

He said: “We will go where it’s best to go and not where it’s best for a Soviet nuclear to go, so the reality is we can probably look after ourselves as long as our escort is in the right place at the right time. You don’t have to hang around and endure it, you can move away and go somewhere else.”

Sailors and engineers have worked round the clock getting the vessel ready. A total of 1,000 sailors and contractors will be onboard for the first six weeks of testing. Crew have spent hours each day carrying out safety drills for fires, flooding and personnel overboard. More than 650 doors and hatches have been checked to ensure they are watertight and fire safe.

Ian Booth, managing director of the defence industry alliance behind the ships, said: “The incident with the fire in London really brings it home to you, you don’t take chances with any incident on the ship, whether it be flooding or fire.”

The first steel was cut on the carrier eight years ago but it will not be sent on operations until 2021. Early deployments are expected to see US Marines F-35B jets embarked alongside British planes, to make up for early shortages of UK jets.

The Royal Navy has not had an aircraft carrier since the defence cuts of 2010.

The arrival of the new carrier comes as the Navy is facing a budget black hole of around £500m each year and the demands of manning the new ships have been accused of causing shortages elsewhere.

Critics of the carriers have also claimed they are expensive white elephants that are too vulnerable to new high speed missiles.

Capt Jerry Kyd, commanding officer, said: "There is nothing on the globe that is invulnerable, whether that's a city, a car, an individual, or a ship. We are not shy in the military to understanding the risks and how we mitigate that in the theatre of war.

"If you look at all the premier nations around the world, why is it that every nation in the top tier is investing billions of dollars in aircraft carriers? Is it just us, or has everyone got it wrong? The reason being is that they provide the government, very simply, with an incredibly flexible tool. It's not just about war-fighting. This is about deterrence, coercion, signalling, proving a huge sea base for disaster relief, humanitarian assistance, defence engagement."

He said 2021 "will be the first time we will deploy this ship in anger".

After trials begin this summer, the ship will move to its new home in Portsmouth this autumn. Trials for planes and helicopters will take place next summer.

The flight deck is more than four acres in size and the ship can carry up to 36 F-35B stealth jump jets.

https://www.theguardian.com/world/2017/jun/28/canada-son-parents-russian-spies-citizenship

Son of parents exposed as Russian spies has Canadian citizenship restored **The Guardian 28/06/2017**

Alex Vavilov, born and raised in Canada, 'vindicated and happy' years after he was stripped of citizenship when his parents were arrested by the FBI in 2010

The son of two deep-cover Russian spies has had his Canadian citizenship restored after a long legal battle. The Canadian government had stripped Alex Vavilov of his citizenship after his parents were exposed by the FBI as KGB spies who had spent several decades pretending to be Canadian.

Vavilov was born Alexander Foley in Toronto and grew up in France and the US, believing his parents were Canadian-born naturalised Americans. However, in 2010, his parents were arrested by the FBI in a roundup of 11 Russian spies. At the time, Alex was 16.

Alex and his older brother, Tim, were given Russian citizenship under the names Alexander and Timofei Vavilov, but even now speak little Russian and say they feel no real connection to the country.

Alex and Tim were both stripped of their Canadian citizenship, because of a provision that "children of foreign government employees" are exempt from Canada's birthright citizenship.

"I feel like I have been stripped of my own identity for something I had nothing to do with," Alex Vavilov told the Guardian last year.

Now a Toronto court has overturned that decision.

In emailed comments after the verdict, Alex said he felt "vindicated and happy that justice prevailed in the end".

"If someone commits an offence we do not take away their citizenship," said Hadayt Nazami, the lawyer for both brothers. "Rather, they can be prosecuted under a law intended for that purpose. But even then we apply legal standards and we do not punish children on the account of their parents' conduct."

The boys' parents were born Andrei Bezrukov and Elena Vavilova, but were recruited by the KGB as "illegals" – deep-cover agents who impersonate foreign citizens. The pair were sent to Canada by the KGB in the 1980s, where they adopted the identities of dead Canadians: Donald Heathfield and Tracy Ann Foley. Both of their sons were born in Canada; the family later moved to France, and then to the US, where they also became nationalised citizens.

Bezrukov and Vavilova were arrested along with nine other Russian spies, including Anna Chapman. The FBI had tracked them for years. It is unclear whether they ever succeeded in accessing sensitive information, but FBI intercepts reported contacts with former and current American officials.

The group were betrayed by an SVR officer who defected shortly before the arrests were made. Bezrukov now works as a political analyst and advisor to the president of Rosneft, a state-run oil giant run by one of Vladimir Putin's closest associates, Igor Sechin.

At the time of the arrests, Alex and Tim were 16 and 20 respectively. The pair now live outside of Russia but have had problems obtaining visas for European countries due to their family history. Alex had won a place to study at a Canadian university but had to give it up after his visa was revoked at the last minute.

The brothers told their story to the Guardian but have rejected all other requests to speak about their unusual life experience, and hope that the court decision will mean they can turn over a new page. "I am eager to exit the spotlight and get on with my life," Alex wrote.

The Canadian government now has 30 days in which it can appeal the decision and take the case to the supreme court, but Nazami hopes this will not happen, and also believes a similar decision should follow in the case of Tim before long.

"Alex and Tim have suffered a great deal of hardship, starting from when they were children, through no fault of their own," said Nazami. 'Hopefully, with this decision they can finally return to the only country they have rightfully known and considered to be their home so that they can begin their healing process and put their lives back in some order."

Finally, to end the news section this item submitted by Anon;

Spying Scandal German Intelligence Also Snooped on White House

German Chancellor Angela Merkel is famous for the terse remark she made after learning her mobile phone had been tapped by the NSA. "Spying among friends, that isn't done." As it turns out, Germany was spying on America too, even targeting the White House.

http://www.spiegel.de/international/germany/german-intelligence-also-snooped-on-white-house-a-1153592.html

By Maik Baumgärtner, Martin Knobbe and Jörg Schindler

June 22, 2017 06:48 PM

The chapter is only a few pages long, but it addresses a potentially explosive suspicion: Did Germany's foreign intelligence agency, the BND, spy on its most important partner, the United States, in the past?

For Chancellor Angela Merkel's government, the answer is clear. The BND has never spied on the United States, members of both the conservative Christian Democrats (CDU) and their government coalition partner, the center-left Social Democrats, are fond of saying, quoting former BND President Gerhard Schindler. And if it was true, then it was only a "coincidental capture" of data, that has since been deleted.

After three years of work, the German parliament committee of inquiry investigating NSA spying on Germany will release its final report next week. It will also contain a chapter drafted by the coalition on "findings about EU and NATO partners." The committee, the draft version of the report states, had no doubts about the statements made about the U.S.

But it should.

Documents that SPIEGEL has been able to review show that the BND, until a few years ago, actually had considerable interest in the United States as a target of espionage. The document states that just under 4,000 search terms, or selectors, were directed against American targets between 1998 and 2006. It is unknown whether they continued to be used after those dates.

The German intelligence agency used the selectors to surveil telephone and fax numbers as well as email accounts belonging to American companies like Lockheed Martin, the space agency NASA, the organization Human Rights Watch, universities in several U.S. states and military facilities like the U.S. Air Force, the Marine Corps and the Defense Intelligence Agency, the secret service agency belonging to the American armed forces. Connection data from far over 100 foreign embassies in Washington, from institutions like the International Monetary Fund (IMF) and the Washington office of the Arab League were also accessed by the BND's spies.

The entries also prove the existence of a top-secret anti-terror alliance between Western intelligence services, including those of Germany, the United States and France. SPIEGEL already reported back in 2005 on the elite unit, which is named Camolin. The papers now show several BND selectors were "Camolin-related."

It's Unlikely Spying Was Unintentional

Also on the selector list were lines at the U.S. Treasury Department, the State Department and the White House. Were they really all just "coincidental capture" as the former BND head claimed? Was it just an oversight?

That's unlikely.

Germany's foreign intelligence agency does not comment publicly on its operations. The BND's current president, Bruno Kahl, who has been in office for just under a year, is only willing to point to the future. "The question of who the BND is permitted to surveil, and who it cannot, will not only be the subject of a stricter approval process in the future, but also more ambitious controls."
It also remains unclear just how extensive was the U.S. data captured by the BND -- or what it contained. But it does help to explain why the German government remained so reserved initially when revelations about the NSA's spying first emerged. People either knew or likely suspected that their own service had been just as unscrupulous in monitoring its closest partners. In light of the documents, the efforts by the chancellor's office to come to a so-called no-spying agreement with the Americans now appear to have been a farce. The truth is that the Germans were snooping far more extensively than they ever wanted to admit.
Originally, the parliamentary inquiry committee had been tasked with investigating cooperation between Germany's BND and the NSA. The investigation was launched in response to the revelations about the NSA spying on Germany that were exposed by whistleblower Edward Snowden. But in October 2015, it emerged that the BND, even absent a request to do so from the U.S., had conducted extensive spying on its partners in the European Union and NATO. As the papers relating to the selectors show, nearly every foreign embassy in Berlin had been monitored. When the news emerged that the NSA had surveilled her own mobile phone, Angela Merkel said, "spying among friends, that simply isn't done." Looking back from today's perspective, it's clearly a hollow statement.

Spying on the British Library

But how forthcoming was the intelligence service with the members of parliament sitting on the inquiry committee? And what did their work achieve? Ultimately, the parties on the panel proved unable to agree. The closing report includes two different assessments -- one from the coalition parties in government, and another from the opposition.

For their part, the Christian Democrats and the SPD claim that the new BND law passed recently "takes the correct and necessary action from the substantiated evidence, even before the end of the investigation." But opposition parties claim that the new rules are insufficient and even go in the wrong direction.
And so it is that, after 134 meetings of the investigative committee, decisive questions remain unanswered. Questions such as why the BND, which is actually supposed to be hunting terrorists, weapons dealers and money-launderers, is so interested in academic institutions like the British Library. One of its lending sites had been on the list of surveillance targets since the early 2000s.

http://www.spiegel.de/international/germany/german-intelligence-also-snooped-on-white-house-a-1153592.html

Thank you to all our contributors of Logs in all sections and the extras for this edition

Chart Section Index

July 2017

M ~	T --	W ~	T h	F --	S ~	S --	UTC	wk	Stn	Fam	Jul kHz, ID, ...	Aug kHz, ID, ...
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x	x	x	x	x	x	x	1200		V13	0	9725	9725
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		x			x		1540		S11A	03	11092 56#	11092 56#
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	x					x	1605		E11	03	4783 23#	4783 23#
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		x				x	1700/1720/1740		E07	01B	13898/12198/10798 817	13881/12181/10881 818
				x			1700/1800	1/3	M14	01A	7485/ 6891 382	7485/ 6891 382
		x			x		1705		E11	03	14865 39#	14865 39#
		x			x		1730		E11	03	7984 40#	7984 40#
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x							1800	1/2	G06	01A	5764 563	5764 563
x	x	x	x	x	x	x	1800		HM01	18	11635	11635
	x		x				1800		M01	14	5280 025	5280 025
		x					1800/1820/1840		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
	x					x	1800/1820/1840		XPA2m	01B		
x							1810		M01B	14	5125, 5735 364	5125, 5735 364
					x		1810/1820/1830		M42C	01A	16147/14389/12214	15931/13452/11093
	x						1820	2/4	M14	01A	6856 163	6856 163
			x				1830	2/4	G06	01A	6887 842	6887 842
			x				1832		M01B	14	5095, 5760 815	5095, 5760 815
	x			x			1840/1850/1900	1	M42C	01A	14829/12214/10932	15854/13543/11126
x		x					1900/1920/1940		E07	01B	16263/14763/13363 273	16147/14647/13447 164

M	T	W	T	F	S	S	UTC	wk	Stn	Fam	Jul kHz, ID, ...	Aug kHz, ID, ...
		x					1900/1920/1940		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
	x		x				1900/1920/1940		XPA2p	01B	15884/14984/14384	16314/15814/14514
				x	x		1900/1920/1940		XPA2r	01B		16167/14663/13923
				x			1900/2000	1/3	S06	01A		9943/ 7951 514
					x		1900/2000	1/3	S06	01A	6801/ 5931 913	6801/ 5931 913
				x			1902		M01B	14	5075, 5465 336	5075, 5465 336
				x		x	1910		E11	03	9510 61#	9510 61#
x							1915		M01B	14	5150, 5475 858	5150, 5475 858
		x					1920	2/4	M14	01A	5938 417	5938 417
	x		x				1925		E11	03	11581 52#	11581 52#
				x			1930	2/4	G06	01A	5943 218	5943 218
		x		x			1955		S11A	03	4870 37#	4870 37#
				x			2000		E11	03	8530 57#	8530 57#
	x		x				2000		M01	14	4905 025	4905 025
x	x	x	x	x	x	x	2000		M08A/ V02A	18	7554	7554
		x					2000/2020/2040		E07A	01A	12166/10766/ 9266 172	12166/10766/ 9266 172
	x					x	2000/2020/2040		XPA2m	01B		14738/13438/12138
				x			2000/2100	1/3	S06	01A	9943/ 7951 514	
					x	x	2005		E11	03	9130 36#	9130 36#

Predictions **5/5**

M01 FREQUENCY LIST

Frequencies may vary by a few kHz

JAN FEB NOV DEC **M01/1** **197**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5320
TUE / THU	2000	4490
SAT	1500	5810
SUN	0700	5465

MAR APRIL SEPT OCT **M01/2** **463**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5475
TUE / THU	2000	5020
SAT	1500	6260
SUN	0700	6510

MAY JUNE JULY AUG **M01/3** **025**

DAY	TIME UTC	FREQ kHz
TUE / THU	1800	5280
TUE / THU	2000	4905
SAT	1500	6435
SUN	0700	6780

M	T	W	T	F	S	S	UTC	wk	Stn	Fam	May kHz, ID, ...	Jun kHz, ID, ...	Jul kHz, ID, ...	Aug kHz, ID, ...	Remarks
		x	x				0315		E11	03	8565 25#	8565 25#	8565 25#	8565 25#	since 01/14, last log 06/17
x							0450		E11	03	**7469** 41#	**7469** 41#	**7469** 41#	**7469** 41#	since 02/10, last log 06/17 2nd transmission Thu 1730z
	x			x			0455		S11A	03	5149 32#	5149 32#	5149 32#	5149 32#	since 09/14, last log 06/17
x			x				0530		E11	03	7600 64#	7600 64#	7600 64#	7600 64#	since 05/16, last log 06/17
		x		x			0545		E11	03	13424 34#	13424 34#	13424 34#	13424 34#	since 06/11, last log 05/17 **d e l e t e d ?**
x				x			0600		E11	03	**10213** 18#	**10213** 18#	**10213** 18#	**10213** 18#	since 07/15, last log 06/17
	x		x				0645		E11	03	13424 51#	13424 51#	13424 51#	13424 51#	since 07/09, last log 06/17
	x			x			0710		E11	03	**10429** 63#	**10429** 63#	**10429** 63#	**10429** 63#	since 02/11, last log 06/17
			x		x		0710		E11	03	15905 49#	15905 49#	15905 49#	15905 49#	since 07/15, last log 04/17 **d e l e t e d ?**
x		x					0715		S11A	03	20180 38#	20180 38#	20180 38#	20180 38#	since 05/14, last log 04/17 **d e l e t e d ?**
				x		x	0730		E11	03	17120 35#	17120 35#	17120 35#	17120 35#	since 04/15, last log 03/17 **d e l e t e d ?**
x							0745		E11	03	9610 26#	9610 26#	9610 26#	9610 26#	since 03/14, last log 06/17 2nd transmission Thu 1530z
	x		x				0745		E11	03	15632 33#	15632 33#	15632 33#	15632 33#	since 10/11, last log 04/17 **d e l e t e d ?**
		x				x	0805		E11	03	**9079** 31#	**9079** 31#	9079 31#	9079 31#	since 07/14, last log 06/17
x			x				0820		E11	03	**6820** 43#	**6820** 43#	6820 43#	6820 43#	since 10/09, last log 06/17
	x	**x**					0820		E11	03	**18168** 13#	**13911** 13#	**13911** 13#	**13911** 13#	since 08/13, last log 06/17
x		x					0900		E11	03	13427 53#	13427 53#	13427 53#	13427 53#	since 10/05, last log 06/17
	x			x			0915		S11A	03	8530 48#	8530 48#	8530 48#	8530 48#	since 01/10, last log 06/17
		x	x				0930		E11	03	**6304** 27#	**6304** 27#	**6304** 27#	**6304** 27#	since 02/14, last log 06/17
	x			x			1000		E11	03	**12397** 30#	**12397** 30#	12397 30#	12397 30#	since 11/16, last log 06/17
x			x				1015		S11A	03	**10210** 47#	**10210** 47#	10210 47#	10210 47#	since 04/10, last log 06/17
	x			x			1020		S11A	03	**8800** 42#	**8800** 42#	**8800** 42#	**8800** 42#	since 02/10, last log 06/17 2nd transmission Thu 1730z
	x						1045		E11	03	13873 57#	13873 57#	13873 57#	13873 57#	since 01/12, last log 06/17 2nd transmission Fri 2000z
	x	x					1205		E11	03	**6304** 46#	**6304** 46#	6304 46#	6304 46#	since 03/10, last log 06/17 2nd transmission Mon 0450z
x				x			1225		E11	03	13537 52#	13537 52#	13537 52#	13537 52#	since 05/15, last log 06/17
			x		x		1300		E11	03	11581 58#	11581 58#	11581 58#	11581 58#	since 02/16, last log 06/17
	x				x		1345		E11	03	15825 91#	15825 91#	15825 91#	15825 91#	since 10/15, last log 06/17
			x				1530		E11	03	10356 26#	10356 26#	10356 26#	10356 26#	since 06/14, last log 06/17 2nd transmission Mon 0745z
		x			x		1540		S11A	03	11092 56#	11092 56#	11092 56#	11092 56#	since 03/16, last log 06/17
	x					x	1605		E11	03	4783 23#	4783 23#	4783 23#	4783 23#	since 11/15, last log 06/17
		x				x	1625		E11	03	15795 97#	15795 97#	15795 97#	15795 97#	since 02/15, last log 06/17
				x		x	1650		E11	03	14940 92#	14940 92#	14940 92#	14940 92#	since 05/16, last log 06/17
		x			x		1705		E11	03	14865 39#	14865 39#	14865 39#	14865 39#	since 02/14, last log 06/17
		x			x		1730		E11	03	7984 40#	7984 40#	7984 40#	7984 40#	since 06/16, last log 06/17
			x				1730		E11	03	8088 41#	8088 41#	8088 41#	8088 41#	since 03/10, last log 06/17 2nd transmission Mon 0450z
x						x	1745		E11	03	14410 24#	14410 24#	14410 24#	14410 24#	since 05/16, last log 06/17
				x		**x**	**1910**		**E11**	**03**	**9510** **61#**	**9510** **61#**	**9510** **61#**	**9510** **61#**	**since 04/17, last log 06/17**
	x		x				1925		E11	03	11581 52#	11581 52#	11581 52#	11581 52#	since 07/15, last log 06/17
		x		x			1955		S11A	03	4870 37#	4870 37#	4870 37#	4870 37#	since 02/14, last log 06/17
				x			2000		E11	03	8530 57#	8530 57#	8530 57#	8530 57#	since 03/12, last log 06/17 2nd transmission Tue 1045z
					x	x	2005		E11	03	9130 36#	9130 36#	9130 36#	9130 36#	since 03/14, last log 06/17 2nd transmission Thu 1530z

M	T	W	T	F	S	S	UTC	wk	Stn	Fam	May kHz, ID, ...	Jun kHz, ID, ...	Jul kHz, ID, ...	Aug kHz, ID, ...	Remarks
x							0800	1/3	G06	01A	7320 329	7320 329	7320 329	7320 329	since 07/10, last log 06/17 repeat at Thu 1300Z
		x					1200	?	G06	01A	**7318** 691	**7318** 691	7318 691	7318 691	since 10/14, last log 06/17 yearly changing frequencies + id repeat at 1300Z
		x					1300	?	G06	01A	**6823** 691	**6823** 691	6823 691	6823 691	since 10/14, last log 05/17 yearly changing frequencies + id repeat from 1200Z
			x				1300	1/3	G06	01A	5890 329	5890 329	5890 329	5890 329	since 09/11, last log 02/17 repeat from Mon 0800Z
x							1700	1/2	G06	01A	**5766** 691	**5471** **563**	**5471** **563**	**5471** **563**	since 04/10, last log 06/17 yearly changing frequencies + id repeat at 1800Z
x							1800	1/2	G06	01A	**5136** 691	**5764** **563**	**5764** **563**	**5764** **563**	since 05/09, last log 06/17 yearly changing frequencies + id repeat from 1700Z
			x				1830	2/4	G06	01A	6887 842	6887 842	6887 842	6887 842	since 05/01, last log 05/17 repeat at Fri 1930Z
				x			1930	2/4	G06	01A	5943 218	5943 218	5943 218	5943 218	since 04/01, last log 05/17 repeat from Thu 1830Z

Current HM01 Schedules

Freq 1	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
5855	0500	0500		0500		0500	
11462			0500		0500		0500
10345	0600	0600		0600		0600	
14375			0600		0600		0600
9330	0700	0700		0700		0700	
13435			0700		0700		0700
9065	0800	0800		0800		0800	
11635			0800		0800		0800
9240	0900	0900		0900		0900	
11462			0900		0900		0900
5855	1000	1000		1000		1000	
9155	1000	1000		1000		1000	
12180			1000		1000		1000
11435	1600	1600	1600	1600	1600	1600	1600
11530	1700	1700	1700	1700	1700	1700	1700
11635	1800	1800	1800	1800	1800	1800	1800
11635	2100	2100		2100		2100	
16180			2100		2100		2100
10715	2200	2200		2200		2200	
17480			2200		2200		2200

02/07/2017

M42d Schedules (July 3, 2017)

Most schedules repeat the next day using the same times and frequencies if a message was sent, unless noted. Yellow schedules indicate message-only repeats of other schedules, not always present.

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Mon - Fri	**02:00**	16321												60146
		03:00	14881												
New message every day, no repeats the following days. Parallels M42c at 0000/0100z, S06 at 0400z, and M14 at 0500z.															

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
1st, 3rd	Monday	**04:00**				10686	11414	12064	11049	10748	9436	9354			70059
		04:10				8184	10169	10926	9126	9139	7923	7956			
		04:20				6773	8169	9049	8137	7424	6776	6774			
		05:00	6926	7328	10249								7658	6788	
		05:10	5945	6778	8137								6778	5384	
		05:20	4816	5126	5948								5361	4454	
Repeats messages the following Wednesday at 21:00 or 22:00 (look further down for frequencies) instead of the following day.															

Week		Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every		Tuesday	**16:50**	10383	13374	16359	18726	19214	19936	?	?	?	?	?	9313	10053
			17:00	9046	11165	13986	16238	17419	16354	?	?	?	?	?	7928	
			17:10	7313	9219	11523	13378	14443	13955	?	?	?	?	?	6783	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Wednesday	**06:00**	20154	20072	18189	16325	17420	17512	17419	16346	15930	19268	20082	20157	40122
		06:10	18304	18291	16046	14724	15673	15930	15707	14847	13503	17548	18207	18241	
		06:20	16156	16071	14459	12172	13361	13503	13446	12223	11109	15779	16141	16204	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Wednesday	**08:00**	?	?	18038	16064	14694	14368	?	?	?	?	?	?	70048
		08:10	?	?	16344	14367	12223	12204	?	?	?	?	?	?	
		08:20	?	?	14563	12208	10163	10309	?	?	?	?	?	?	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
2nd, 4th	Wednesday	**08:00**				19138	17488	16330	15795	16319	18178	20018			00052
		08:10				17545	15823	14367	13428	14378	15613	18325			
		08:20				15626	13459	12141	11060	11636	13459	16248			
		09:00	20735	20916	20386								20476	20875	
		09:10	18037	18730	18215								18915	18747	
		09:20	16250	16165	16061								16328	16316	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
2nd, 4th	Wednesday	**09:15**				17538	14638	15629	14948	17434	16146	19476			10031
		09:25				14576	12156	13376	12176	14369	13385	17458			
		09:35				11639	10164	11544	10177	11163	11434	15884			
		10:15	19433	20639	20138								20349	18046	
		10:25	16048	17539	17428								18573	16326	
		10:35	14976	15644	14983								16245	14944	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
1st, 3rd	Wednesday	**12:30**	16329	18235	18563	18476	17430	16286	16244	17455	18517	19363	18191	17478	90073
		12:40	14826	16144	16314	16168	15814	14517	14649	15923	16309	17476	15963	15838	
		12:50	12166	14519	14723	14643	13487	12179	12206	13388	14464	15873	13436	13387	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Follows 1st, 3rd Monday	Wednesday	**21:00**				10636	?	12218	?	13548	?	9948			70059
		21:10				8163	?	11164	?	11516	10161	8115			
		21:20				6854	?	9418	?	8145	8184	6826			
		22:00	6828	?	10164								?	?	
		22:10	5129	?	8076								?	?	
		22:20	4534	4989	6769								?	?	
Message-only repeat slot of 1st & 3rd Monday 04:00 or 05:00.															

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Thursday	**13:30**	12186	14983	16054	16351	16328	14565	?	?	?	?	?	?	80214
		13:40	10243	12196	13471	14367	14358	12169	?	?	?	?	?	?	
		13:50	8175	9917	11062	11483	11146	9981	?	?	?	?	?	?	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
2nd, 4th	Saturday	**08:00**				13466	14644	14948	13468	12223	13384	14986			70147
		08:10				11543	12193	12096	11634	10186	11463	12219			
		08:20				9328	10184	10374	9486	8094	9328	10574			
		09:00	14534	15638	14378								15623	13938	
		09:10	12149	13486	12217								13469	12136	
		09:20	10483	11128	10349								11569	10314	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
2nd, 4th	Saturday	**09:00**				17481	17426	16314	16089	16186	16341	18919			70004
		09:10				15946	15818	14569	14384	14571	14706	16268			
		09:20				13543	13396	12191	12173	12195	12217	14486			
		10:00	20973	20894	18948								20868	20951	
		10:10	18736	18429	16223								18259	18643	
		10:20	16328	16153	14639								16113	16314	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Saturday	**11:00**	16174	18911	16343	17437	15634	14689	15964	16153	16174	17423	16236	15623	50046
		11:10	14855	16234	14367	15626	13547	12143	13549	14438	14855	15628	14419	13854	
		11:20	12214	14426	12172	13464	11622	10186	11524	12216	12214	13385	12128	11586	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Saturday	**15:00**	20564	22878	22913							22963	22871	20648	40133
		15:10	18471	20216	20374							20461	20629	18483	
		15:20	16308	18253	18406							18356	18553	16196	
		21:00				20386	18751	18323	17436	16289	15928				
		21:10				18509	16174	15886	15789	14461	13396				
		21:20				16231	14563	13581	13473	12176	11143				

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
2nd, 4th	Saturday	**15:30**	20868	22986	22874							20806	22984	20741	40133
		15:40	18689	20363	20634							18441	20719	18368	
		15:50	16156	18669	18751							17463	18348	16343	
		21:30				20589	18663	18521	18246	17429	?				
		21:40				18371	16344	16256	16149	15861	13498				
		21:50				16108	14869	14641	14474	13486	11054				

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Sunday	**15:30**	10378	13464	16245	18626	19323	19838	19466	?	?	?	?	?	10053
		15:40	9169	11548	14356	16325	17536	16238	16189	?	?	?	?	?	
		15:50	7419	9323	12138	13458	14356	13546	13576	?	?	?	?	?	

M42c Schedules (June 5, 2017) Most schedules repeat the next day using the same times and frequencies if a message was sent, unless noted.

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Every	Mon - Fri	**00:00**	17471											
		01:00	14421											
New message every day. Parallels M42d at 0200/0300z, S06 at 0400z, and M14 at 0500z.														

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Every	Monday	**00:25 01:25**	13452	15803	16023	15820	14941	16218	14878	16023	15672	14434	12101	10884
		00:35 01:35	11106	12195	13555	13405	12221	13949	12185	14373	13892	11439	9215	8157
Doesn't repeat the following days.														

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1st	Wednesday	**18:40**				12194	14363	14621	14829	15854	13467	11136		
		18:50				10581	12189	12206	12214	13543	11084	9074		
		19:00				8112	10346	10465	10932	11126	9052	7723		
		19:40	7629	8156	10467								8172	7684
		19:50	6783	6844	8094								6791	5326
		20:00	4034	4527	6779								4546	4029
Repeats messages the following Friday (same times and frequencies) instead of the following day.														

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Every	Friday	**22:30 23:30**	17411	20741	20700	?	20206	19224	18562	20823	20618	20966	20741	18169
		22:40 23:40	15956	18401	18726	19405	18031	17491	16218	18397	18048	18954	18702	15765
Doesn't repeat the following days.														

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Every	Saturday	**18:10**	7684	9153	12184	14517	15806	16322	16147	15931	13384	11462	9247	8131
		18:20	5387	7641	10292	12196	13512	14804	14389	13452	11441	9226	7762	6824
		18:30	4572	5251	8054	10413	11131	12207	12214	11093	9184	7829	5216	4471

XPA[Sched c & e] and XPA2[Sched m, r & t] Russian Intelligence Multitone Systems [Radiogramma] Transmission Schedules

Zulu > / Month v	0600/0700 Sched c Wednesday/Saturday USB 10baud			XPA2 Sched m Various Sun/Tue H 00 H+20 H+40 1300,1500,1800,2000,2100			XPA2 Sched r Various Fri/Sat H 00 H+20 H+40 1400, 1900, 2100			XPA2 Sched t Tuesday/Friday H 00 H+20 H+40 0700		
Jan	9108	10908	12208	16138	14438	13438	16167	14663	13923	13472	14772	16272
Feb	11409	13509	14609	16338	14538	13538	18667	17419	16212	14558	15958	17458
Mar	11409	13509	14609	16138	14438	13438	18667	17419	16212	13431	14631	15931
Apr	10359	11559	13559	14538	13538	12138	17462	16114	14828	16347	17447	18747
May	10868	12168	13368	14538	13538	12138	17462	16114	14828	19667	18767	17467
June	11409	13509	14609	14738	13438	12138	16167	14663	13923	19514	18214	16314
July	11409	13509	14609	14538	13538	12138	15967	13884	12217	20173	18673	17473
Aug	10868	12168	13368	14738	13438	12138	16167	14663	13923	20049	18549	17449
Sept	10359	11559	13559	14538	13538	12138	16167	14663	13923	17429	18629	20129
Oct	10868	12168	13368	16338	14538	13538	17462	16114	14828	16284	18184	19584
Nov	11409	13509	14609	18238	16238	14438	17462	16114	14828	14517	16017	17417
Dec	7756	9056	10656	14538	13538	12138	15967	13884	12217	13393	14493	16293

Notes:

Freqs shown in *italics* indicate unsure freqs, or en bloc transmissions that are believed to have closed.

XPA c 0600/0700z schedule appears to be robust with reasonably strong signals into UK

XPA2 m Repetitive frequency triplets, appears robust, generally strong into UK
XPA2 r Schedule appears robust; generally very strong signals to UK
XPA2 t Replaces E07, remains weak in UK. Intercept via online SDR. Tertiary freq sometimes difficult to hear.

XPA2 p Six day variable schedule, separate document

Updated 19/12/2016

XPA2 p

Zulu H+20	Sun			Mon			Tue			Wed			Thu			Fri		
Jan 0800				15978	14978	14378				15978	14978	14378						
Feb 0800				15983	14783	13883				15983	14783	13883						
Mar 0800				15956	14956	13956				15956	14956	13956						
Apr 1500	16147	14947	14447													16147	14947	14447
May 1500	16314	15814	14514													16314	15814	14514
June 1900							15884	14984	14384				15884	14984	14384			
July 1900							15884	14984	14384				15884	14984	14384			
Aug 1900							16314	15814	14514				16314	15814	14514			
Oct 1500	16147	14947	14447													16147	14947	14447
Oct 1500	16147	14947	14447													16147	14947	14447
Nov 0800				16073	14973	14373				16073	14973	14373						
Dec 0800				15861	14761	13561				15861	14761	13561						

XPA2 p

Appears to be a robust schedule

Usually strong into UK, latest poor conditions affecting sendings

01/07/2017

SPECIAL MATTERS

Thanks to all our contributors:
Andre, Ary, Edd, BR, DanAr, Danix, DoK, E, Gert, HFD, HH, HJH, JkC, Jochen, KW, Malc, MaleAnon, MNSDB, PoSW, PLdn, RNGB, tiNG, Token, Topol Apologies to anyone missed.

Operation Jallaa: Nil Return

MESSAGES:

'E' Thanks yr useful logs es adverts. Enjoy Cornwall. Hosp visits for me also; hope yrs good.

RELEVANT WEBSITES

ENIGMA 2000 Website:	http://www.enigma2000.org.uk
Frequency Details can be downloaded from:	http://www.cvni.net/radio/
More Info on 'oddities' can be found on Brian of Sussex' excellent web pages:	http://www.brogers.dsl.pipex.com/page2.html
Time zone information:	http://www.timeanddate.com/library/abbreviations/timezones/
Encyclopedia of Espionage, Intelligence, and Security	http://www.espionageinfo.com/
EyeSpyMag!	http://www.eyespymag.com

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