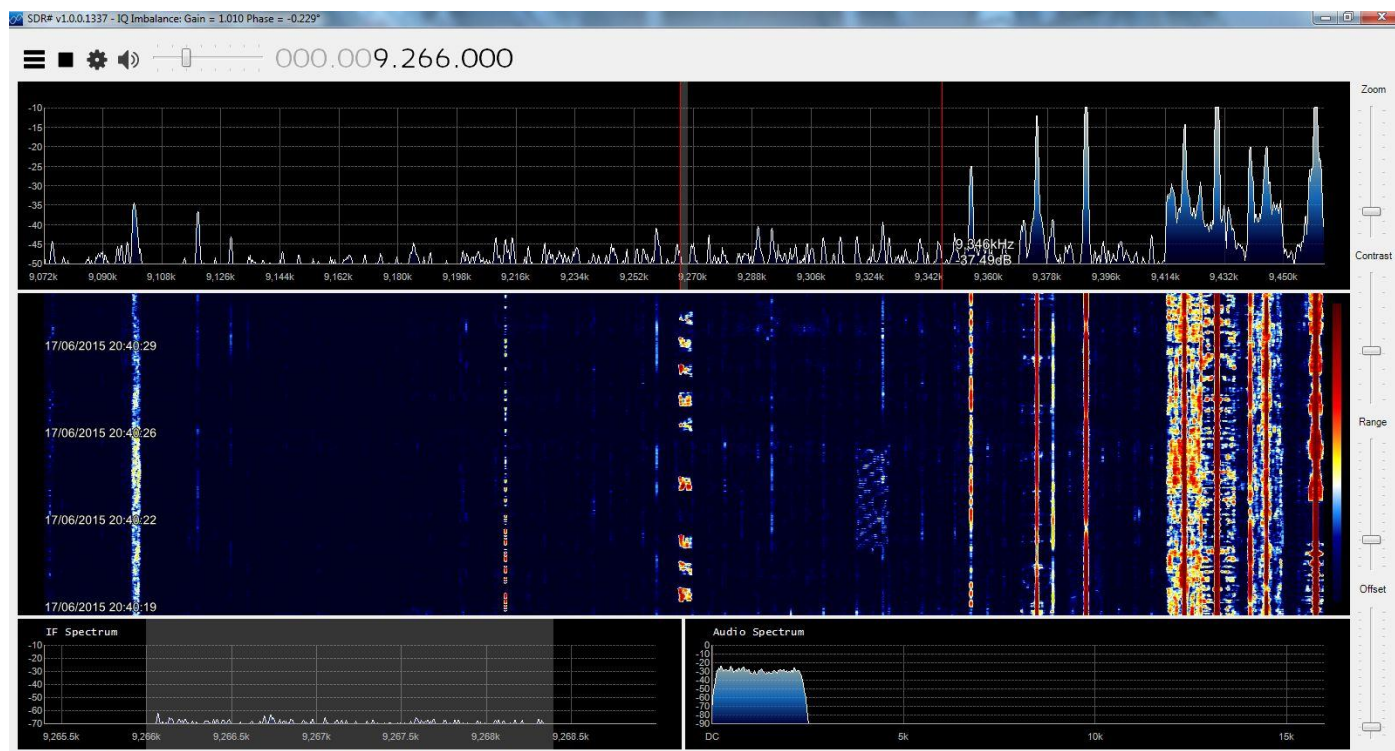


ENIGMA 2000 NEWSLETTER



<http://www.enigma2000.org.uk>



E07a 2040z 17/06 172 1 68076 8198 69 01802 ... 54334 000 000
Very strong signal received using the popular RTL-SDR TV dongle preceded
by an HF upvertor and LF filter

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<http://www.enigma2000.org.uk>

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See last page also.

Jochen's X06 report

As we can monitor, X06b regularly appears on frequencies of expected transmissions of family 1b (E07/a, M12, XPA/2), but also usual X06 stations are still there:

X06 Mazielka (1c) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20150629	Mon	0330	8057	1--6--	Danix/PL	X06b before M12
20150701	Wed	0923	17445	362154	EdwardSmith	Monitored in progress, G32
20150704	Sat	2000	12217	1--6--	Danix	X06b before XPA2(1)
20150706	Mon	1817(2)	14812	1--6--	Schorschi	X06b before E07
20150707	Tue	1810	15884	1--6--	Linkz/FR	X06b before XPA2
20150708	Wed	0924	12134	134265	Edward	I. p., G90
20150713	Mon	1826	14812	1--6--	Schorschi	Strong X06b before weaker E07
20150714	Tue	0620-0621	17473	1--6--	Danix	X06b before XPA2(3)
20150714	Tue	1623-1624	9243	6--1--	Danix, Schorschi	X06b before XPA(4)
20150714	Tue	1807	14384	6--1--	Danix	X06b before XPA2(5)
20150714	Tue	1828-1832	15884	6--1--	Kopf	X06b before XPA2 again
20150714	Tue	1833	8115	6-----	Danix	X06b single tone before M12(6)
20150715	Wed	0457-0459	9064	6--1--	Danix	Long carrier and X06b before E07(7)
20150715	Wed	0515	11409	6--1--	Danix	X06b before XPA(8)
20150715	Wed	0831-0835	14631	362154	Danix	G170
20150715	Wed	1025-1026	16115	215346	Schorschi	I. p. with QSA2, G167
20150716	Thu	0738-0739	14447	162543	Schorschi	S9, G175
20150720	Mon	1809	14812	6--1--	Schorschi	X06b before E07, S9
20150721	Tue	0844-0846	14358	254263	Schorschi	Alert 2 (both S9 and G148) 1
20150721	Tue	0853-0855	13401	154263	Schorschi	2.2
20150722	Wed	0934-0945	10535	564213	Schorschi	S9, R
20150728	Tue	1652	10943	1-6165	Schorschi	Strong X06b before XPA(9)
20150729	Wed	1624	13898	1--6--	Schorschi	Strong X06b before E07
20150730	Thu	1952	11539	1--6--	Schorschi	Again strong X06b before E07
20150730	Thu	1822	15884	1--6--	LU5EMM	Fair X06b before XPA2
20150731	Fri	1026-1032	14863	615243	Schorschi	S9, G305
20150804	Tue	1819-1820	16314	1--6--	LU5EMM	Fair X06b before XPA2p
20150806	Thu	1820-1822	16314	1--6--	LU5EMM	Same as Tue
20150812	Wed	0858-0901	16116	134265	Peter/UK	G90
20150812	Wed	1045-1047	18660	621543	Peter	Good and clear, G102
20150813	Thu	0755-0800	13884	521634	Peter	Alert 1 (G116) 1
20150813	Thu	0814-0816	16153	153624	Peter	G249
20150813	Thu	0832-0838	13884	521634	Peter	1.2
20150813	Thu	1008-1012	13506	164532	Edward	I. p., G106
20150813	Thu	1553-1608	14442	564213	Schorschi	Alert 1 (G118) 1 I. p., S9
20150813	Thu	1641-1737	14442	564213	Schorschi, Peter	1.2 S9 in DE, Good in UK(10)
20150813	Thu	1805	15814	261--6	LU5EMM	X06b before XPA2 with QSA2(11)
20150817	Mon	1808	14378	6--1--	Schorschi	Strong X06b before E07(12)
20150818	Tue	1824-1825	16314	1--6--	LU5EMM	Fair X06b before XPA2p
20150825	Tue	1017-1110	17470	216354	Peter	Fair to strong, G228
20150827	Thu	1539-1544	9106	564213	Peter	G263

- 1) Only a few secs, moved then to 13884 and 15967 kHz, the other 2 XPA2 freqs (also shorties)
- 2) 3 short times: 1817 (A3E), 1832 (H3E-U), 1842 (again A3E), always only a few secs
- 3) Moved to 18673 (0622-23) and 20173 (0624-25)
- 4) Moved to 10243 (1624-25) and 10943 (1625-26)
- 5) First attempt of sending was on 1805, but the result was quite beaten up. Moved to 14984 (1808) and 15884 (1808-09)
- 6) With long breakless dash during TX. Moved to 9263 (1834) and 10342 (1834-35)
- 7) Moved to 11464 (0504) and 10264 (0505), then to all 3 freqs again (0508-11); 0511 UTC on 9064 kHz for a 3rd time! All TXs in R3E
- 8) Comeback on this freq (0517), moved to 14609 (0518), 13509 (0519) and then again to 11409 (0519-20) for a 3rd time! All TXs in pure USB
- 9) Moved to 10243 and 9243 kHz
- 10) Short breaks at 1728 and 1731
- 11) Moved to 16314 kHz with QSA3 (1805-1806); repeat on both freqs at 1813
- 12) 3 short TXs, inbetween carrier off air, again at 1821

Thanks Jochen

Morse - Number Stations

- RDL Following Karsten's interesting logs from RDL in the last newsletter, Topol M shines some light on the structure of the messages sent by RDL & other Russian naval stations, then round off this section with Karstan's log of a strategic flash message.
- M01 Poor signal strength is still proving to be a problem - particularly with the 1800z schedules, as is the XJT transmission that seems to spread over the 1500z Saturday schedule at the most inconvenient moments, often causing even a strong signal to be unreadable at times.
- Although we are used to the various techniques & tricks used by the M01 operators, the 1800z transmission on Thursday, 02 July surprised us by using single groups for the complete message - a new variation from these tricksters, as far as we are aware.
- We feature a comparison of an August M01 intercept that used a large part of an M01b message from October 2014 that was spotted by Jim (JkC).
- Once again we have a good set of M01b logs - Many thanks to those who regularly monitor these schedules.
- M03 Activity from M03 continues to be steady on all the remaining schedules. Due to the interest in the associated POL FSK transmissions & the subsequent increase in submitted logs, (thanks Guys!), we feature a comparison of intercepts from two schedules from Ary (AB) & Jim (JkC).
- M08a Havana (Ministry of Foreign Affairs) has been heard calling CLP44 (Harare, Zimbabwe) by AnonUS just prior to an expected M08a schedule. This is not the first time that this Morse call has been heard.
- AnonUS also has his round-up of the M08a schedules, which would not be complete without the apparent technical incompetence of the Cubans, which this time takes the form of a number of blank carriers with no Morse audible.
- M12 The errors noted on recent M12 transmissions seem to be on the increase, with a number of errors reported. These could be either due to faulty equipment or incompetent operators, either way some of these have been logged by our CW monitors who have once again given us a good set of logs, once again.
- A new early sched has been discovered on Wednesdays following a report from Richard (RNGB) at the end of July which was followed up by both Edd Smith & Jim (JkC) who found the August frequencies. All other schedules are remaining steady & unchanged.
- M14 Another good set of logs thanks to our Morse monitors - many thanks for all your efforts. Peter (PoSW) reports on a regular schedule that was also active last year - the frequencies are the same, but the times have changed slightly.
- Ary logged a transmission on Sun 05 July, at 2300z where technical problems were noted. Two long pauses and the beginning of the message were affected. A repeat of the message an hour later was sent without incident.
- M23 So far this year we had heard very little from M23, but this all changed in early July when Ary reported activity on 8030/9069kHz. The station appeared daily on up to six schedules a day, with several call changes over this period, until the end of the month - when it suddenly disappeared.
- With all this activity we may have hoped that a message may have been sent - but none was heard..
- M24 Just one report this time, thanks to Edd Smith. Although M14 seems to be quite active, M24 appears to be on the decline.
- M97 No activity since the beginning of May, when the, now old, SD84 message was aired once again for two days.

Morse Stations - Not Number related

- M51 The format change noted during the period 21 - 26 May consisting of continuous groups without breaks or headers, continues.
- The daily Morse lessons from M51a continue as usual daily at 1130z with 5 fig grps & plain text, & these too have a slightly changed format.
- M89 As usual, some small changes to schedules from this prolific station. Jean-Paul (JPL) has also logged a curious regular daily schedule on 4720kHz. consisting of a series of hand-sent calls using the call-sign FXM (V WNF DE FXM), lasting for 5 minutes & usually starting at H+29.
- Jean-Paul has also been studying the continuing & numerous transmissions on 8073kHz from the call XSV85 (V BNGC DE XSV85) & he presents his findings & analysis of the station.

Beacons & Oddities

In the beacons section we have two new irregular beacons heard, plus the temporary return of a previously heard irregular 'L' beacon.

Under 'Oddities' we have a report of the 5292kHz marker & the latest on the 4525kHz marker, with various reports including the first voice messages monitored by Schorschi on Monday, 17 August with translations provided by Ary (AB).

To complete the section we have a brief appearance of the Backwards Music Station / Whales / feedback station. It's been a while since we have heard any of these on the bands.

Morse Stations Round up

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.

From The Basement... a follow-up

In the last newsletter we featured some interesting logs from Karsten (HRT), from RDL, Smolensk, Russia, logged on 18.1kHz in the VLF band. Topol M has kindly sent us some additional information about the structure of these messages used by RDL & other Russian naval stations.

Reference RDL in newsletter 89

11111 & 22222 we think are message types, possibly linked in to their priority system; see below:

Transmission priorities

Priority and order channels							
Navy				Civillian			
Categories of urgency	Marks urgency	The order of transmission of the Navy	The order of transmission of the shipowners	Categories of urgency	Marks urgency	The order of transmission of the shipowners	The order of transmission of the Navy
Monolith		1	1	Uncategorized	Immediate	1	3
Torpedo		2	1		Rocket	2	3
Air		3	1		Mobilization	3	3
Rocket		4	4	Extraordinary	SOS	4	4
Airplane (jet plane)		5	9		Medical aid	5	4
Ordinary		6	18		Accident	6	4
					Storm	7	4
					Air mail	8	4
				[By order of] President Of Russian Federation	[By order of] President Of Russian Federation	9	5
				Top government	Top government	10	5
				Government	Government	11	5
				Very Urgent	Very Urgent	12	5
				Urgent	Dispatch	13	5
					MET Observation	14	5
					Priority?? [Prip (sic)]	15	5
					NAVAREA	16	5
					Urgent	17	5
				Common	Not to be used	18	6

The only thing that counters this is that when ships/HQ's send these types of messages they will often use SML in the priority part of the header.

Example: RKB91 605 16 22 1000 605 = SML FOR RJH45 RJD38 =
 22061 99572 10081 41598 43408
 10004 40110 51024 70202 8////
 22252 00140 22012 = + RKB91

SML refers to "Samolet" or in Cyrillic "самолет" translated to Airplane/jet plane which has a priority number of 5 in the chart. They occasionally use RKT (or Rocket).

With regards to the last group you mention and that they both start with 310. They actually both start with 31. That is the date, and as you rightly said, the group count. This is standard Russian military message formatting.

Above you'll see the same thing - 22012. This message was sent on the 22nd, which you can also tell by the header:

RKB91 = call sign of sender
 605 = message number
 16 = thought to be number of groups in message, but is always wrong as the last group proves. I'm starting to doubt this theory.
 22 = date
 1000 = Moscow time (this was sent at 0600z, but there's now a three hour time difference between Moscow and UTC)
 605 = repeat of message number

Many thanks to Topol M for his advice and update here.

UPDATE: Karsten reports receiving a strategic flash message on Saturday 15 August.

RDL 18.1kHz 1235 - 1237z 15 Aug [...] XXX XXX RDL RDL 20526 24801 LANOLIN 5290 5808 K Strong HRT SAT

The message started 1235z. There was a one minute break before it was repeated. This was my first RDL CW transmission with codeword. Karsten

Morse - Number Stations

UNID CW

UNID 1

This one caught in progress, believed towards the end of the transmission by Edd (E.SMITH). Looks possibly like it could be a Family I variant...

14983 0959 - 1000z 01 Jul [...224 55224 55224 55224 55224 55224 055 055 055 00000 00000 CW E.SMITH WED

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

July 2015:

4905	2000z	02 Jul	'025'	397 30 ==	.....	...LG 6 .525 ==	Weak, fast. Very poor copy	BR	THU
	2000z	07 Jul	'025'	216 30 ==	89386...	...LG 48601 ==	Good, fast. Irregular CW, numerous errors	BR	TUE
	2000z	09 Jul	'025'	798 30 ==	39787...	...LG 35038 ==	Strong, fast. Excellent CW. No errors	BR	THU
	2000z	14 Jul	'025'	381 30 ==	21937...	...LG 00613 ==	Strong, med-fast. Two errors noted	BR	TUE
	2000z	16 Jul	'025'	563 30 ==	07391...	...LG 82675 ==	Good, fast. Excellent CW. One error noted	BR	THU
	2000z	21 Jul	'025'	197 30 ==	85655...	...LG 64829 ==	Ends 2008z	JkC	TUE
	2000z	23 Jul	'025'	946 30 ==	68055...	...LG . .335 ==	Strong, fast. Many errors & chaotic ending	BR	THU
	2000z	28 Jul	'025'	122 30 ==	89481...	...LG 55134 ==	Strong, fast. Excellent CW. One error noted	BR	TUE
	2000z	30 Jul	'025'		NRH			BR	THU
5280	1800z	02 Jul	'025'	816 30 ==	76821...	...LG 6 ==	V.Weak, fast. Msg sent using single grps	BR	THU
	1800z	07 Jul	'025'		V.weak. No useful copy			BR	TUE
	1800z	09 Jul	'025'	869 30 ==	95848...	...LG 28587 ==	Fair, fast. Several repeat errors noted	BR	THU
	1800z	14 Jul	'025'	134 30 ==	12579...	...LG 10029 ==	Weak, med-fast. Via Twente	BR	TUE
	1800z	16 Jul	'025'	274 30 ==	.....	...LG 27832 ==	V.weak, fast. Poor copy. Via Twente	BR	THU
	1800z	21 Jul			NRH			JkC	TUE
	1800z	23 Jul	'025'	487 30 ==	01874...	...LG . . 408 ==	Weak, fast. Good CW	BR	THU
	1800z	28 Jul	'025'	899 30 ==	48 .20...	...LG 05755 ==	Weak, fast. Poor copy throughout	BR	TUE
	1800z	30 Jul	'025'	391 30 ==	.2965...	...LG .5943 ==	Weak, V.fast. Poor copy throughout	BR	THU
6435	1500z	04 Jul	'025'	899 30 ==	92521...	...LG 16761 ==	Fair. Ends 1507z	MCW E.SMITH	SAT
	1500z	11 Jul	'025'	510 30 ==	32746...	...LG 57231 ==	Weak, fast. Irregular & confusing sending	BR	SAT
	1500z	18 Jul	'025'	128 30 ==	88455...	...LG	Weak, V.fast. Very poor copy	BR/RT	SAT
	1500z	25 Jul	'025'	902 30 ==	07605...	...LG 24775 ==	Ends 1508z	E.SMITH	SAT
6780	0700z	05 Jul	'025'	124 30 ==	73061...	...LG 250 . . ==	Weak, V.fast. Poor copy, with errors noted.	BR	SUN
	0700z	12 Jul	'025'	855 30 ==	37523...	...LG 38941 ==	Weak, fast. Difficult copy, numerous errors	BR	SUN
	0700z	19 Jul	'025'		V.weak. No useful copy			BR	SUN
	0700z	26 Jul	'025'	706 30 ==	82555...	...LG 62227 ==	Good, fast. Several errors noted.	BR	SUN

August 2015:

4905	2000z	04 Aug	'025'	002 30 ==	18773...	...LG 79239 ==	Fair, fast. Excellent CW. Error in ending DK	BR	TUE
	2000z	06 Aug	'025'	803 30 ==	69850...	...LG 01416 ==	Strong	JkC/tiNG	THU
	2000z	11 Aug	'025'	564 30 ==	68055...	...LG 35035 ==	Strong. Ended 2008z	JkC/tiNG	TUE
	2000z	13 Aug	'025'	217 30 ==	013993...	...LG 33893 ==	Strong, med-fast. Numerous errors	BR	THU
	2000z	18 Aug	'025'	977 30 ==	22752...	...LG 65071 ==	Strong, fast. Several errors noted	BR	TUE
	2000z	20 Aug	'025'	911 30 ==	34998...	...LG 82413 ==	Fair. Ended 2008z	JkC	THU
	2000z	25 Aug	'025'	521 30 ==	Very poor sig. Mostly unreadable. DK & GC via Twente			BR/JkC	TUE
	2000z	27 Aug	'025'	551 30 ==	02813...	...LG 45002 ==	Strong, fast. Excellent CW. Error in grp10	BR	THU
5280	1800z	04 Aug	'025'	223 30 ==	18460...	...LG 42533 ==	Weak, fast. Via Twente. Two errors	BR	TUE
	1800z	06 Aug	'025'	706 30 ==	97039...	...LG 36670 ==	Erratic for last six grps	JkC/tiNG	THU
	1800z	11 Aug	'025'	297 30 ==	01874...	...LG 40587 ==	Fair. Used re-arranged M01b msg	JkC	TUE
	1800z	13 Aug	'025'	217 30 ==	.....	...LG 33893 ==	Weak, fast. Very poor copy	BR	THU
	1800z	18 Aug	'025'	117 30 ==	86391...	...LG 73193 ==	V.Weak, fast. Poor copy	BR	TUE
	1800z	20 Aug	'025'	447 30 ==	00047...	...LG 64459 ==	V.weak, fair. Ends 1808z. Numerous errors	JkC/tiNG	THU
	1800z	25 Aug	'025'		(Rest unworkable - fades to nil)]	Ends 1810z. Very weak		JkC	TUE
6435	1500z	03 Aug	'025'	217 30 ==	42965...	...LG 52990 ==	Good, fast. Irregular with many errors	BR	SAT
	1500z	07 Aug	'025'	415 30 ==	10186...	...LG 01745 ==	Weak, fast. Poor copy at times	BR	SAT
	1500z	15 Aug	'025'	814 30 ==	47587...	...LG 26631 ==	Fair, fast. Excellent CW. No errors	BR/tiNG	SAT
	1500z	22 Aug	'025'	340 30 ==	46735...	...LG 43651 ==	Fair. Ends 1507z	E.SMITH	SAT
	1500z	29 Aug	'025'	863 30 ==	81863...	...LG 97519 ==	Weak, med-fast. Numerous errors	BR	SAT
6780	0700z	02 Aug	'025'	303 30 ==	20128...	...LG 18699 ==	Good, fast. Excellent CW. No errors	BR	SUN
	0700z	08 Aug	'025'	836 30 ==	493 .7...	...LG . .212 ==	Fair, med-fast. Full of errors.	BR	SUN
	0700z	16 Aug	'025'	953 30 ==	80 .91...	...LG 71193 ==	Weak, fast. Poor copy due to QSB	BR	SUN
	0700z	23 Aug	'025'	127 30 ==	97 . . . .	...LG 26045 ==	Good, fast. Excellent CW. QRM from XJT	BR	SUN
	0700z	30 Aug	'025'	495 30 ==	59535...	...LG 52472 ==	Fair, fast. Excellent CW. Two errors noted	BR	SUN

M01 6435kHz 1500z 04 July15

025 (R4m) 899 899 30 30 = =

92521 20659 93305 01000 27568
 23300 29748 25221 66803 39421
 02487 53920 58915 02277 00034
 77467 24450 62025 28545 50658
 48227 46030 43255 37640 66254
 25750 68485 02919 95578 16761
 = =

899 899 30 30 000

Courtesy E.SMITH

M01 6435kHz 1500z 25 July15

025 (R4m) 902 902 30 30 = =

07605 92340 23325 66885 42746
 76280 39957 28970 16159 96193
 89386 46902 33390 47871 20314
 21750 75805 21002 71818 64629
 85153 83223 97055 39415 14547
 11581 90588 21148 28970 24775
 = =

902 902 30 30 000

Courtesy E.SMITH

M01 4905kHz 2000z 20 Aug15

025 (R4m) 911 911 30 30 = =

34998 60409 36471 84354 06425
 02342 49605 08120 22043 95948
 36339 14799 48973 36763 95019
 21350 64904 30279 64276 90860
 36181 26086 68265 71397 86846
 86064 65716 16278 32655 82413
 = =

911 911 30 30 000

Courtesy JkC

Comparison of M01 Message from 11 Aug 2015 with an M01b message of 02 October 2014

Jim (JkC) spotted a striking resemblance between the M01 message of 11 Aug & an M01b message from October of 2014. When the two intercepts are compared, it can be seen that the first 24 groups of the M01 message are identical to groups 11 - 34 of the M01b message, with the exception of two pairs of transposed figures.

M01 5280kHz 1800z 11 Aug15

025 (R4m) 297 297 30 30 = =

01874 32932 15996 02947 55869
43179 59157 95581 38181 04281
18014 42083 32668 34934 20195
29562 52905 27207 09599 63302
20324 12642 30673 29943 71526
 39413 96618 01203 67813 40587
 = =

297 297 30 30 000

Courtesy BR / JkC

M01b 3510kHz//4605kHz 1832z 02 Oct14

201 (R4m) 983 983 34 34 = =

71355 91464 25383 15800 84329
 86875 45139 45508 03279 16574
01874 23932 15996 02974 55869
43179 59157 95581 38181 04281
18014 42083 32668 34934 20195
29562 52905 27207 09599 63302
20324 12642 30673 29943
 = =

983 983 34 34 000

Courtesy JkC

Bold text shows the 24 grps used in the M01 transmission of 11 Aug 2015 as compared to the M01b message from 02 October 2014. The two sets of two figures that have been transposed are shown underlined in the M01b message.

Jim regularly checks message content against older logs & has on several occasions shown that M01 messages have been repeated, but we think this is the first time that content from an M01b message has been used.

Certainly M01 has become more professional with the construction of their M01 messages, that are believed to be for training or practice purposes. Some monitors will certainly recall the time, not so many years ago, when almost all messages contained such groups as 12345 & 67890, or 23232 56565.

Our thanks go to Jim (JkC) for his painstaking & sterling work!

M01a (formerly end of month TXs, now random)
 No reports

M01b

July 2015:

5065	1940 - 1957z	02 Jul	'936' 373 31 = = 57818 39860 02753 31189 000	Good	tiNG	THU
5125//5735	1810 - 1826z	20 Jul	'364' 527 30 = = 82229 07041 ... 52814 98898 000	Strong//Strong	JkC	MON
5150//5475	1916 - 1932z	20 Jul	'868' 527 30 = = 82229 07041 ....52814 98898 000	Strong Up late	JkC	MON
5340	2009 - 2026z	03 Jul	'467' 373 31 = = 57818 39860 02753 31189 000	Good	tiNG	FRI
5475	1915z	06 Jul	'858' (R4m) ... 0 0 0 Strong		Schorschi	MON

August 2015:

5065//5805	1842 - 1857z	06 Aug	'936' 379 30 == 03016 27233. ... 95717 97222 000	Fair//Fair	JkC	THU
	1940 - 1956z	13 Aug	'815' 379 30 == 03016 27233 95717 97222 000		E.SMITH	THU
	1942 - 1957z	20 Aug	NRH Search 4 - 6MHz Nil		JkC	THU
5075//5465	1902z	28 Aug	On air but too poor to copy at my QTH!		tiNG	FRI
5095//5760	1832 - 1847z	06 Aug	'815' 379 30 == 03016 27233 ... 95717 97222 000	Fair//Fair	JkC	THU
	1832 - 1847z	20 Aug	'815' 379 30 == 03016 27233 ... 95717 97222 000	Weak/Good	JkC/tiNG	THU
5125//5735	1810 - 1827z	10 Aug	'364' 379 30 == 03016 27233 ... 95717 97222 000	Good	tiNG	MON
	1809 - 1826z	17 Aug	'364' 379 30 == 03016 27233 95717 97222 000	Good	tiNG	MON
	1810 - 1826z	24 Aug	'364' 379 30 == 03016 27233 95717 97222 000	Weak	JkC	MON
5150	1915 - 1931z	17 Aug	'364' 379 30 == 03016 27233 95717 97222 000	Good	tiNG	MON
5150//5475	1915 - 1931z	24 Aug	'858' 379 30 == 03016 27233..... 95717 97222 000	Fair	JkC	MON
5340	2009 - 2017z	21 Aug	'467' 379 30 == 03016 27233 95717 97222 000	Strong	tiNG	FRI
5465	1902 - 1918z	21 Aug	'336' 379 30 == 03016 27233 95717 97222 000	Strong	tiNG	FRI

M01b 5340kHz 2009z 03 July15

467 (R4m) 373 373 31 31 ==

57818 39860 79304 09305 89602
71709 47563 58384 00633 56304
90462 24239 83072 49855 50545
28022 43875 89393 81703 83201
89077 42923 11982 13562 83377
84106 11706 31842 12464 02753
31189 ==

373 373 31 31 000

*Courtesy tiNG***M01b 5065//5805kHz 1940z 03 July15**

815 (R4m) 379 379 30 30 ==

03016 27233 96271 94559 14111
57313 36969 31574 72444 00387
61941 06576 83756 39617 03968
29674 52006 68007 98868 91408
77173 68608 51791 87405 77661
53813 58294 69690 95717 97222
==

379 379 30 30 000

*Courtesy E.SMITH***M01c**

No reports

M03 III ICW, some CW**July 2015:**

7727	1320 - 1323z	20 Jul	543/00 == 000	Strong	JkC	MON
	1320 - 1323z	22 Jul	543/00 == 000		E.SMITH	WED
	1320 - 1323z	29 Jul	543/00 == 000		AB	WED
7837	1320 - 1324z	16 Jul	437/00 == 000		E.SMITH	THU
	1320 - 1323z	23 Jul	437/00 == 000		E.SMITH/JkC	THU
	1320 - 1323z	26 Jul	437/00 == 000	Fair	BR	SUN
	1320 - 1323z	30 Jul	437/00 == 000		E.SMITH	THU
15632	1420 - 1439z	03 Jul	877/38 == 89772 88129 000	Fair [UNABLE TO COPY]	E.SMITH	FRI
	1420 - 1423z	10 Jul	879/00 == 000	Strong	JkC	FRI
	1420 - 1423z	19 Jul	879/00 == 000	Fair	JkC	SUN
	1420 - 1423z	24 Jul	879/00 == 000		E.SMITH	FRI
	1420 - 1423z	26 Jul	879/00 == 000	Good	BR	SUN
	1420 - 1423z	31 Jul	879/00 == 000		E.SMITH	FRI

August 2015:

7727	1320 - 1323z	05 Aug	543/00 == 000	Fair	JkC/tiNG	WED
	1320 - 1337z	12 Aug	543/33 == 13084 36220 56097 69116 == 000		E.SMITH	WED
	1320 - 1323z	17 Aug	543/00 == 000	Strong	JkC	MON
	1320 - 1323z	19 Aug	543/00 == 000	Strong	JkC	WED
	1320 - 1323z	24 Aug	543/00 == 000	Fair	tiNG	MON
	1320 - 1323z	26 Aug	543/00 == 000	Strong	JkC	WED
7837	1320 - 1337z	06 Aug	435/33 == 03894 81176 74968 75025 == 000		AB/E.SMITH/JkC/tiNG	THU
	1320 - 1323z	13 Aug	437/00 == 000	Strong	E.SMITH/JkC	THU
	1320 - 1323z	16 Aug	437/00 == 000	Strong/Good	JkC/tiNG	SUN
	1320 - 1323z	23 Aug	437/00 == 000	Strong	JkC	SUN
	1320 - 1320z	30 Aug	436/00 == 000	Fair	tiNG	SUN

15632	1420 - 1423z	07 Aug	879/00 == 000	Fair		tiNG	FRI
	1420 - 1436z	16 Aug	879/31 == 03496 24338..... 25001 00563 == 000	Good		JkC/tiNG	SUN
	1420 - 1423z	30 Aug	879/00 == 000	Fair		tiNG	SUN

Comparison between POL FSK 100/625 & M03 messages 1305z / 1310z & 1320z 06 August

POL FSK 100 / 625

7727kHz 1305z + 1310z 06 Aug15

0437 0437 0437 0437 0437

88888 88888 03894 81176 58370
 91691 29194 90522 71265 75279
 16515 13699 29570 17061 72184
 52266 44273 63463 93613 63803
 66085 35604 49183 91713 72536
 92961 00970 53950 74209 28613
 25723 35363 74593 74968 75025
 88888 88888 00037 00037

Courtesy AB

MORSE M03

7837kHz 1320z 06 Aug15

435/33 (R3m) = =
 03894 81176 58370 91691 29194
 90522 71265 75279 16515 13699
 29570 17061 72184 52266 44273
 63463 93613 63803 66085 35604
 49183 91713 72536 92961 00970
 53950 74209 28613 25723 35363
 74593 74968 75025 = =

435/33 (single group repeat) = 000

Courtesy AB/E.SMITH/JkC

Ary (AB) logged both the consecutive POL FSK & the M03 transmissions on Thu 06 Aug - Each transmission 10 minutes apart.

As can be seen, the transmitted message is the same.

The POL FSK has the addition of two stutter groups containing 8s both before and at the end of the message & the final two groups of the POL FSK appear to be the GC (Msg length + the 4 x stutter grps) - Many thanks Ary.

Comparison between POL FSK & M03 messages 1405z / 1410z & 1420z 16 August

POL FSK

14792kHz 1405z + 1410z 16 Aug15

0877 0877 0877 0877 0877

88888 88888 03496 24338 51807
 23731 31588 45931 36895 51556
 13342 52318 15528 76825 69228
 77958 80264 88548 34338 08658
 73926 84280 50430 97961 84308
 02749 15048 98023 31981 17348
 91880 25001 00563 88888 88888
 00035 00035

Courtesy JkC

MORSE M03

15632kHz 1420z 16 Aug15

879/31 (R3m) = =
 03496 24338 51807 23731 31588
 45931 36895 51556 13342 52318
 15528 76825 69228 77958 80264
 88548 34338 08658 73926 84280
 50430 97961 84308 02749 15048
 98023 31981 17348 91880 25001
 00563 = =

879/31 (single group repeat) = 000

Courtesy JkC

Another example of the two associated transmissions, this time from Jim (JkC). Again, each transmission 10 minutes apart, & the message is the same with the same additional stutter groups as seen in Ary's examples - both before & at the end of the message.

Finally, we have the final two groups which would seem to confirm that this is the GC (Msg length + 4 x stutter grps)- Many thanks Jim.

So we have three transmissions each 10 minutes apart with the same message. H+5 (FSK), H+10 (FSK) & H+20 (Morse).

Will POL FSK replace the M03 Morse messages completely? We have already lost a number of the Morse schedules.

M08a XVIII ICW / CW, some MCW

On 13 July, AnonUS was tuning ready for the M08a transmission at around 1345z when he heard some hand-sent Morse on 8095kHz. He writes;

The start seems to be VR VV44 AASSMA VVV TRAIP44 (I suspect the TRAIP44 is CLP44 which I believe is what we heard once before). There was quite a bit more sent but it's hard for me to work out.

AnonUS sent us the recording, & we couldn't get much more out of the transmission either. The Morse appears to be a station calling repeatedly but due to the extremely poorly sent Morse, it is almost indecipherable.

AnonUS is correct in believing that the call is CLP44 & sent exactly as he describes TRAIP44. Fortunately, later in the transmission it is possible to hear a clearer call, but apart from a couple of Q codes & the number 1, very little else was obtained from the recording.

On 20 Aug 2014, AnonUS reported a similar transmission & although also poorly sent, was far more readable than this one. From that exchange we identified the station as CLP1 (Ministry of Foreign Affairs, Havana) calling CLP44 in Harare, Zimbabwe. As far as we are able to determine, this transmission was a similar call.

Interesting that this should occur just prior to an expected M08a schedule...

M08a report from AnonUS

M08a continued on its regular times and frequencies during July and August V02a appeared in the 2000z Thursday slot twice, one time it was replaced very quickly with M08a. The transmissions are consistently starting approximately three minutes before the hour and little drift in the timing has been noted. This could be intentional or possibly they haven't reset their clocks recently. The weekend call-ups remain the same as they have for previous months.

Of note,

- On 10 July at 2300z all three call-ups ended in 1 which is unusual.
- On 15 July call-ups 05871 **18211 22532** of possibly interest as the starts of two call-ups match the weekend call-ups. **18262 22501** Of course, because the sequencing of the numbers is not random any call-up beginning 182 will most likely be followed by 225 as steps of three between the digits is the most common occurrence.
- On 17 July at 2300z all three call-ups ended in 2 which is unusual and notable that the previous Friday they all ended with 1.
- On 29 August at 1400z, a very poorly hand keyed OL S was heard shortly before the Morse started.

Several times during the past two months carriers were heard but no Morse followed. The first transmission of the day normally sees a brief transmitter check at approximately 1345z.

July 2015:

7554	2000z	01 Jul	[33752 46281 50521]		AnonUS	WED
	2000z	02 Jul	Up late in progress		AnonUS	THU
	2000z	06 Jul	Found in progress		AnonUS	MON
	2000z	07 Jul	Up early, missed call-ups		AnonUS	TUE
	2000z	09 Jul	[68381 72621 85142]		AnonUS	THU
	2000z	12 Jul	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	2000z	13 Jul	Noisy carrier only		AnonUS	MON
	2000z	14 Jul	[31541 44071 56302]		AnonUS	TUE
	2000z	15 Jul	Carrier only		AnonUS	WED
	2000z	17 Jul	Noisy carrier only		AnonUS	FRI
	2000z	18 Jul	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SAT
	2000z	21 Jul	[66041 70372 83702]		AnonUS	TUE
	2000z	23 Jul	[22822 85162 18481]		AnonUS	THU
	2000z	30 Jul	[04112 17431 21762]		AnonUS	THU
	2000z	31 Jul	[87211 01542 24071]		AnonUS	FRI
8009	2300z	01 Jul	Up late, broken Morse, no copy		AnonUS	WED
	2300z	04 Jul	Up late in progress		AnonUS	SAT
	2300z	06 Jul	Found in progress		AnonUS	MON
	2300z	12 Jul	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	2300z	13 Jul	[33762 46201 50522]		AnonUS	MON
	2300z	18 Jul	Noisy carrier only		AnonUS	SAT
	2300z	20 Jul	[48311 51642 66662]		AnonUS	MON
8096	2300z	25 Jul	Up at 2259 in progress, slow Morse so likely the usual weekend call-ups		AnonUS	SAT
	1400z	01 Jul	[43561 66881 78322]		AnonUS	WED
	1400z	03 Jul	[86611 00142 13461]		AnonUS	FRI
	1400z	05 Jul	Weak carrier only		AnonUS	SUN
	1400z	06 Jul	[32671 45002 58331]		AnonUS	MON
	1400z	07 Jul	[66371 70712 83141]		AnonUS	TUE
	1400z	08 Jul	[53531 66052 78381]		AnonUS	WED
	1400z	09 Jul	[51651 72381 85622]		AnonUS	THU
	1400z	12 Jul	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	1400z	13 Jul	[72611 84031 07362]	Hand sent Morse heard before the M08a	AnonUS	MON
	1400z	14 Jul	[23811 36242 58561]		AnonUS	TUE
	1400z	15 Jul	[05871 18211 22532]		AnonUS	WED
	1400z	16 Jul	[01002 24321 37751]		AnonUS	THU
	1404z	19 Jul	[18262 22501 35022]	Up late with the Usual weekend call-ups	AnonUS	SUN
	1400z	20 Jul	[86141 00472 13711]		AnonUS	MON
	1400z	21 Jul	[56622 60051 83372]		AnonUS	TUE
	1400z	22 Jul	Up at 1401z in progress		AnonUS	WED
	1400z	23 Jul	[01751 14182 87431]		AnonUS	THU
	1400z	27 Jul	Up at 1401 in progress		AnonUS	MON
	1400z	30 Jul	[86371 00702 13132]		AnonUS	THU
8135	2300z	02 Jul	Weak carrier only		AnonUS	THU
	2300z	03 Jul	[28832 32261 45582]		AnonUS	FRI
	2300z	07 Jul	[07502 21831 34251]		AnonUS	TUE
	2300z	09 Jul	Noisy carrier only		AnonUS	THU
	2300z	10 Jul	[36601 48431 52761]	All three call-ups end in 1	AnonUS	FRI
	2300z	14 Jul	[70051 83482 05711]		AnonUS	TUE
	2300z	15 Jul	[23882 44622 57051]		AnonUS	WED
	2300z	17 Jul	[14232 25062 38302]	All call-ups end in 2. Same call-up spacing and all ended with 1 last Friday	AnonUS	FRI
	2300z	19 Jul	In progress with slow Morse at 2258z		AnonUS	SUN

	2300z	21 Jul	[12172 - - - - -]	Up with just the last two repeats of the first call-up	AnonUS	TUE
	2300z	24 Jul	[71832 - - - - -]	Transmissions currently starting 3.5 minutes before the hour	AnonUS	FRI
	2300z	30 Jul	[17772 21102 34431]	Up at 2259z with repeats of the first call-up	AnonUS	THU
	2300z	31 Jul	[54162 77481 81822]		AnonUS	FRI
August 2015:						
7554	2000z	02 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	2000z	04 Aug	[68472 72711 85132]		AnonUS	TUE
	2000z	06 Aug	[24731 37162 51581]		AnonUS	THU
	2000z	07 Aug	Brief carrier/transmitter check only		AnonUS	FRI
	2000z	08 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SAT
	2000z	09 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	2000z	10 Aug	Noisy carrier only		AnonUS	MON
	2000z	11 Aug	[58711 62132 75462]		AnonUS	TUE
	2000z	14 Aug	[85502 08831 11262]		AnonUS	THU
	2000z	15 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SAT
	2000z	18 Aug	[42552 55871 30221]		AnonUS	TUE
	2000z	19 Aug	Weak carrier but no Morse		AnonUS	WED
	2000z	20 Aug	[A55162 68482 71721]	V02 then switches to M08a [81811 04232 16561]	AnonUS	THU
	2000z	21 Aug	[78101 81521 65762]		AnonUS	FRI
	2000z	23 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	2000z	24 Aug	[33822 46241 50672]		AnonUS	MON
	2000z	25 Aug	[31761 44181 57522]		AnonUS	TUE
	2000z	26 Aug	[61201 74532 87051]		AnonUS	WED
	2000z	27 Aug	Up late in progress		AnonUS	THU
	2000z	28 Aug	[48082 51622 63151]		AnonUS	FRI
	2000z	29 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SAT
	2000z	30 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
8009	2300z	03 Aug	[73201 86532 00851]		AnonUS	MON
	2300z	05 Aug	[35461 48702 52221]		AnonUS	WED
	2300z	10 Aug	[60282 73511 85841]		AnonUS	MON
	2300z	12 Aug	Up late in progress		AnonUS	WED
	2300z	15 Aug	Loud hum then slow Morse so likely the usual weekend call-ups		AnonUS	SAT
	2300z	19 Aug	Noisy carrier but no Morse		AnonUS	WED
	2300z	24 Aug	[06472 10812 33231]		AnonUS	MON
	2300z	26 Aug	[30751 43172 16322]	Started with HM01 voice, 1 13178 68480 87802 62644 21586	AnonUS	WED
	2300z	31 Aug	[61332 74752 57001]		AnonUS	MON
8096	1400z	02 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	1400z	03 Aug	Up late in progress		AnonUS	MON
	1400z	04 Aug	Up late in progress		AnonUS	TUE
	1400z	06 Aug	[12172 23722 36141]		AnonUS	THU
	1400z	07 Aug	[- - - - - 73182]	Up late in progress	AnonUS	FRI
	1400z	08 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SAT
	1400z	09 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	1400z	10 Aug	Noisy carrier only		AnonUS	MON
	1400z	11 Aug	[51071 64402 77731]		AnonUS	TUE
	1400z	12 Aug	Up on the hour in progress		AnonUS	WED
	1400z	13 Aug	Carrier only		AnonUS	THU
	1400z	19 Aug	Noisy carrier but no Morse		AnonUS	WED
	1400z	20 Aug	Noisy carrier but no Morse		AnonUS	THU
	1400z	21 Aug	Noisy carrier but no Morse		AnonUS	FRI
	1400z	22 Aug	Noisy carrier but no Morse		AnonUS	SAT
	1400z	23 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	1400z	24 Aug	Up late in progress		AnonUS	MON
	1400z	25 Aug	[25722 38151 42472]		AnonUS	TUE
	1400z	26 Aug	[05022 18351 21671]		AnonUS	WED
	1400z	27 Aug	Carrier but no Morse		AnonUS	THU
	1400z	28 Aug	Carrier but no Morse		AnonUS	FRI
	1400z	29 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SAT
	1400z	31 Aug	[82711 04142 17571]		AnonUS	MON
8135	2300z	04 Aug	[00581 13812 26241]		AnonUS	TUE
	2300z	06 Aug	[62561 74201 86622]		AnonUS	THU
	2300z	07 Aug	[10281 23622 36041]		AnonUS	FRI
	2300z	09 Aug	Noisy carrier up at 2303z		AnonUS	SUN
	2300z	11 Aug	[00812 13231 26562]		AnonUS	TUE
	2300z	13 Aug	[01542 14861 27202]		AnonUS	THU
	2300z	18 Aug	[60321 83651 06072]		AnonUS	TUE
	2300z	20 Aug	[22821 85261 08502]		AnonUS	THU
	2300z	23 Aug	[18262 22501 35022]	Usual weekend call-ups	AnonUS	SUN
	2300z	25 Aug	[82011 05332 78571]		AnonUS	TUE
	2300z	27 Aug	[17121 81362 04782]		AnonUS	THU
	2300z	29 Aug	[18262 22501 35022]	Usual weekend call- ups	AnonUS	SAT

Call-up Number Sequence Analysis

Analysis of call-up spacings. (Spacing between the 1st, 2nd, 3rd and 4th digits of the call-ups). Example **43561 66881 78322 21 32 34 23**

As with previous observations the M08a call-ups follow a pattern between the three numbers. (See Issue 81 - Mar 2014 for full details)

43561 66881 78322 21 32 34 23	48311 51642 66662 11 25 30 32	30221 42552 55871 11 23 33 32
33752 46281 50521 11 33 43 33	86371 00702 13132 11 33 43 23	60321 83651 06072 21 33 33 32
86611 00142 13461 11 33 43 32	04112 17431 21762 11 33 33 23	85261 08502 22821 12 33 33 32
28832 32261 45582 11 33 33 32	17772 21102 34431 11 33 33 23	65762 78101 81521 11 32 34 32
32671 45002 58331 11 33 33 23	87211 01542 24071 12 33 34 33	33822 46241 50672 11 33 34 23
66371 70712 83141 11 33 43 33	54162 77481 81822 21 33 34 23	06472 10812 33231 12 33 43 32
07502 21831 34251 21 33 33 32	73201 86532 00851 11 33 33 32	25722 38151 42472 11 33 33 32
53531 66052 78381 11 32 43 23	68472 72711 85132 11 33 33 32	31761 44181 57522 11 33 34 23
51651 72381 85622 21 13 63 33	00581 13812 26241 11 33 33 23	78571 82011 05332 11 33 43 32
68381 72621 85142 11 33 34 32	35461 48702 52221 11 33 34 32	05022 18351 21671 11 32 33 32
36601 48431 52761 11 23 73 33	12172 23722 36141 11 13 63 42	61201 74532 87051 11 33 34 32
72611 84031 07362 11 23 43 23	24731 37162 51581 12 33 34 32	16322 30751 43172 21 33 43 32
33762 46201 50522 11 33 43 32	62561 74201 86622 11 22 64 32	81362 04782 17121 11 33 43 23
23811 36242 58561 12 32 33 32	10281 23622 36041 11 33 43 32	48082 51622 63151 11 22 64 33
31541 44071 56302 11 32 43 32	60282 73511 85841 11 32 33 23	82711 04142 17571 11 23 34 33
05871 18211 22532 11 33 33 32	51071 64402 77731 11 33 43 23	57001 61332 74752 11 33 34 32
23882 44622 57051 21 13 73 33	58711 62132 75462 11 33 33 23	
01002 24321 37751 21 33 34 23	00812 13231 26562 11 33 33 23	V02A call-ups
14232 25062 38302 11 13 73 33	01542 14861 27202 11 33 33 23	A55162 68482 71721 11 32 33 23
86141 00472 13711 11 33 33 33	85502 08831 11262 11 32 33 33	A52131 74761 87182 21 23 63 32
		Courtesy AnonUS

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

To be read in conjunction with Brian's monthly logs available in the charts section. New ID's may be only for the month/sched shown, but not necessarily unknown, all are clearly identified on Brian's charts. The reason for their reuse, some after long periods of time, is unknown.

Asiatic M12 Schedules

12193/11103/----	0500/20/40z	20 Aug	112 000 Fair	Via Hong Kong remote	JkC	THU
13956/12146/----	0420/0440/0500z	12 Aug	915 000 Weak		JkC	WED
	0420/0440/0500z	26 Aug	915 000 Fair	Via Hong Kong remote	JkC	WED

European M12 Logs

Errors in the transmissions from M12 have been evident over the last few months & these seem to be on the increase. These errors are either due to equipment failures or operator error - or possibly a combination of both.

A number of these errors were logged over July & August on various schedules. These are identified by the bold numbers in brackets after each log & notes these numbers refer to can be found at the end of the log entries.

A new early Wednesday schedule was found following a log from Richard (RNGB) at the end of July. This was followed up by both Edd Smith & Jim (JkC) who found the new frequencies for August. Well done guys - looks like an ongoing sched.

July 2015:

6857/7557/---	0430/0450/0510z	06 Jul	850 000		E.SMITH	MON
	0430/0450/0510z	13 Jul	850 000		E.SMITH	MON
	0430/0450/0510z	20 Jul	850 000		E.SMITH	MON
	0430/0450/0510z	27 Jul	850 000		E.SMITH	MON
7984/9184/----	0630/0650/0710z	02 Jul	911 000		E.SMITH/HFD	THU
	0630/0650/0710z	09 Jul	911 000		E.SMITH	THU
	0630/0650/0710z	16 Jul	911 000		E.SMITH	THU
	0630/0650/0710z	23 Jul	911 000		E.SMITH	THU
	0630/0650/0710z	30 Jul	911 000		E.SMITH	THU
8047/6802/5788	1900/20/40z	01 Jul	463 1		HFD	WED
	1900/20/40z	08 Jul	463 1 (2600 134) 25723 04374 36307 50236 000 000		E.SMITH	WED
	1800/20/40z	20 Jul	463 1 (8214 141) 06784 92153 91904 81357 000 000	Strong	JkC	MON
	1900/20/40z	22 Jul	463 1 (1761 145) 39639 14697 53744 13099 000 000	(1) Strong	E.SMITH/JkC/RT	WED
	1900/20/40z	29 Jul	463 1 (7414 153) 08708 58292 39694 99871 000 000		E.SMITH	WED
9176/7931/6904	1800/20/40z	01 Jul	257 1		HFD	WED
9176	1800z	15 Jul	257 1 (8319 142) 38879 ... 07476		Gert	WED
9176/7931/6904	1900/20/40z	20 Jul	257 1 (7839 107) 73225 ... .57591 000	Strong/Strong/Strong	JkC	MON
	1800/20/40z	22 Jul	257 1 (5885 142) 26334 44691 89985 01585 000 000	(2) Strong	E.SMITH/JkC/RT	WED
	1800/20/40z	29 Jul	257 1 (2455 135) 36637 12353 32565 95154 000 000		E.SMITH	WED
9217/10617/12217	0500/20/40z	04 Jul	262 1 (9086 129) 11090 33159 16913 17831 000 000		E.SMITH	SAT
	0500/20/40z	11 Jul	262 1 (2366 105) 48475 06646 26302 89807 000 000		E.SMITH	SAT

	0500/20/40z	18 Jul	262 1 (7429 183) 91345 42533 28413 90281 000 000	E.SMITH	SAT
	0500/20/40z	25 Jul	262 000	E.SMITH/HFD	SAT
9379/7979/----	2100/20/40z	01 Jul	398 000	HFD	WED
	2100/20/40z	22 Jul	398 000 Strong	JkC	WED
10343/9264/8116	1800/20/40z	02 Jul	124 1 (6095 145) 20037 05871 68359 92380 000 000 (3)	E.SMITH/HFD	THU
	1900/20/40z	02 Jul	124 1 (8612 117) 29572 18987 39444 08252 000 000	E.SMITH	THU
	1930/1950/2010z	07 Jul	124 1	HFD	TUE
	1930/1950/2010z	21 Jul	124 1 (8643 540) 08155 15144 89633 30337 000 Strong	JkC	TUE
	1800/20/40z	23 Jul	124 1 (6400 147) 79995 21755 30251 24626 000 000	E.SMITH	THU
11435/10598/9327	1930/1950/2010z	01 Jul	938 1	HFD	WED
	1930/1950/2010z	08 Jul	938 1 (3131 53) 44931 71171 29886 96971 000 000	E.SMITH	WED
9327	2010z	15 Jul	938 1 (2190 65) 35727 ... 39752	Gert	WED
11435/10598/9327	1700/20/40z	20 Jul	938 1 (4543 114) 19361 71899 ... 04912 59962 000 000 Strg/Fair/Strg	JkC	MON
	1930/1950/2010z	22 Jul	938 1 (3693 58) 69925 43569 46729 87299 000 000 Strong	E.SMITH/JkC/RT	WED
	1930/1950/2010z	29 Jul	938 1 (1463 59) 83857 99431 03904 80693 000 000	E.SMITH	WED
14728	1140z	06 Jul	973 1 (9975 143) 72234 00496 31551 44730 000 000	E.SMITH	MON
13386/12189/11491	1700/20/40z	02 Jul	725 1 (1476 117) 02330 60719 98744 61114 000 000	E.SMITH/HFD	THU
	1500/20/40z	09 Jul	725 1 (6988 142) 69287 68656 90108 37592 000 Strong	JkC	THU
	1700/20/40z	09 Jul	725 1 (2731 104) 69156 67789 63558 99650 000 Strong	JkC	THU
	1500/20/40z	16 Jul	725 1 (3508 149) 01853 57610 13719 90045 000 000	E.SMITH	THU
	1700/20/40z	16 Jul	725 1 (4228 103) 09976 19368 91781 74595 000 000	E.SMITH	THU
	1500/20/40z	23 Jul	725 1 (8133 142) 05870 37680 95821 03955 000 000 Strong	E.SMITH/ JkC	THU
	1700/20/40z	23 Jul	725 1 (3129 104) 31166 37635 20224 86466 000 000	E.SMITH	THU
13386	1500z	30 Jul	725 725 725 1 R2m ... Strong	Schorschi	THU
13926/12126/10926	1310/30/50z	04 Jul	919 000	E.SMITH/HFD/tiNG	SAT
	1310/30/50z	09 Jul	919 000	E.SMITH	THU
	1310/30/50z	16 Jul	919 1 (5167 209) 72446 13525 85233 99299 000 000	E.SMITH	THU
12126	1330z	18 Jul	Monitored as weak CW in Brazil by Renato	RT	SAT
13926/12126/----	1310/30/50z	23 Jul	919 000 Very distorted, though readable	E.SMITH/JkC	THU
	1310/30/50z	25 Jul	919 000	E.SMITH	SAT
	1310/30/50z	30 Jul	919 1 (9874 147) 86361 58869 67169 89718 000 000	E.SMITH	THU
14869/13569/12179	2110/30/50z	01 Jul	851 1	HFD	WED
	2110/30/50z	04 Jul	851 1 (382 147) 49865 41107 92332 52452 000 000	E.SMITH/tiNG	SAT
	2110/30/50z	11 Jul	851 000	E.SMITH	SAT
	2110/30/50z	18 Jul	851 1 (7210 79) 02419 79985 92759 99533 000 000	E.SMITH	SAT
	2110/30/50z	22 Jul	851 1 (294 131) 56272 39509 56541 45202 000 000 Strong	JkC	WED
	2110/30/50z	25 Jul	851 1 (294 131) 66272 39509 56549 45202 000 000	E.SMITH	SAT
16332	0710z (IP)	29 Jul	In progress at t 0710z and ended at 0718z with 60793 000 000	RNGB	WED

M12 11435kHz 1930z 22 Jul 15	M12 11435kHz 1930z 29 Jul 15
931 1 (R2m) 3693 58 3693 58	931 1 (R2m) 1463 59 1463 59
69925 43569 63678 33465 45586 88774 83876 87073 48937 41138	83857 99431 93110 94436 46299 72601 70087 82418 56036 57516
97937 48877 98563 30148 94892 85987 09642 25036 33474 69778	25053 94848 87157 28013 69993 14998 52327 25430 65052 95433
66975 16262 30467 13189 65621 56258 52996 36041 20101 48129	00704 26526 70415 71891 65583 53465 25373 71179 87188 39404
67812 30513 95572 52863 43852 78249 75004 68025 06749 46892	29008 06419 75605 62001 62251 97936 75731 46211 92526 52097
49231 67127 01483 77207 35737 89873 01976 29954 83083 12860	25350 55918 68618 41000 08088 26757 38951 52368 10816 78901
61333 17833 28343 39060 10146 92049 46729 87299	99441 28546 87560 06115 55005 45620 33574 03904 80693
000 000	000 000
<i>Courtesy E.SMITH</i>	<i>Courtesy E.SMITH</i>

August 2015:

5792/6992/----	0430/0450/0510z	03 Aug	796 000	E.SMITH/HFD	MON
	0430/0450/0510z	10 Aug	796 000	E.SMITH	MON
	0430/0450/0510z	17 Aug	796 000	E.SMITH	MON
	0430/0450/0510z	24 Aug	796 000 Strong	E.SMITH/JkC	MON
7484/8084z	0630/0650/0710z	06 Aug	402 000	E.SMITH	THU
	0630/0650/0710z	13 Aug	402 000	E.SMITH/HFD	THU
	0630/0650/0710z	20 Aug	402 000 Fair	E.SMITH/JkC	THU
8047/6802/5788	1800/20/40z	03 Aug	463 1	HFD	MON
	1900/20/40z	05 Aug	463 1 (7253 136) 48658 57097 18204 45985 000 Strong	E.SMITH/JkC	WED
	1900/20/40z	12 Aug	463 1 (6563 147) 93234 49055 33419 44272 000 Strong	JkC	WED
	1900/20/40z	19 Aug	463 1 (6203 147) 17475 66875 48620 01848 000 Strong	JkC	WED
	1800/20/40z	24 Aug	463 1 (6967 155) 77589 32700 96042 35195 000 Strong	JkC	MON
	1900/20/40z	26 Aug	463 1 (5906 136) 20001 09236 22729 58265 000 Strong	JkC	WED

8123/6923/9167	2100/20/40z	05 Aug	198 000 Strong		JkC/HFD	WED
	2100/20/408	12 Aug	198 1 (9088 93) 26484 74983	23609 59581 000 Strong	JkC	WED
	2100/20/40z	19 Aug	198 1 (7954 133) 32974 24280	34533 16388 000 Strong	JkC	WED
	2100/20/40z	26 Aug	198 000 Fair		JkC	WED
9167/10267/11567	0500/20/40z	01 Aug	125 1 (9348 161) 49258 44800	08108 65215 000 000	E.SMITH	SAT
	0500/20/40z	08 Aug	125 000		E.SMITH/HFD	SAT
	0500/20/40z	15 Aug	125 1 (9088 93) 26484 74983	23609 59581 000 000	E.SMITH	SAT
	0500/20/40z	22 Aug	125 1 (7954 133) 32974 24280	34533 16388 000 000	E.SMITH	SAT
9176/7931/6904	1900/20/40z	03 Aug	257 1		HFD	MON
	1800/20/40z	05 Aug	257 1 (6567 131) 66600 14238	57063 56039 000 (4) Strong	E.SMITH/JkC	WED
	1800/20/40z	12 Aug	257 1 (1335 130) 57197 12050	62863 22945 000 Strong	JkC	WED
	1800/20/40z	19 Aug	257 1 (9087 131) 15834 80480	72605 05040 000 Strong	JkC	WED
	1900/20/40z	24 Aug	257 1 (2035 108) 34739 56457	02165 10662 000 Strong	JkC	MON
	1800/20/40z	26 Aug	257 1 (9063 136) 62732 04370	80297 39708 000 Strong	JkC	WED
10343/9264/8116	1800/20/40z	06 Aug	124 1 (5082 140) 88163 87880	38563 15126 000 Strong	JkC	THU
	1900/20/40z	06 Aug	124 1 (2777 106) 90952 54192	37990 12642 000 (5) Strong	JkC/HFD	THU
	1930/1950/2010z	11 Aug	124 1 (7288 65) 93684 58400	06560 91805 000 Fair	JkC	TUE
	1800/20/40z	13 Aug	124 1 (4035 152) 68088 28998	76669 67073 000 000	E.SMITH	THU
	1900/20/40z	13 Aug	124 1 (9635 110) 72297	22326 11873 000 000	E.SMITH	THU
	1930/1950/2010z	18 Aug	124 1 (5842 54) 67747 58620	58671 11992 000 Strong	JkC	TUE
	1800/20/40z	20 Aug	124 1 (1471 145) 85007 51354	28113 65766 000 Strong	JkC	THU
	1900/20/40z	20 Aug	124 1 (7102 106) 27734 10242	02280 72764 000 Strong	JkC	THU
	1930/1950/2010z	25 Aug	124 1 (8720 62) 58740 79248	09440 03362 000 Fair	JkC	TUE
11435/10598/9327	1700/20/40z	24 Aug	938 1		HFD	MON
9327	1750z	03 Aug	938 938 938 1 938 938 938 1 then stops.	(6)	AB	MON
11435/10598/9327	1930/1950/2010z	05 Aug	938 1 (9551 65) 01084 08233	58001 12804 000 Strong	E.SMITH/JkC	WED
	1930/1950/2010z	12 Aug	938 1 (3922 55) 54118 62234	89466 68609 000 Strong	JkC	WED
	1930/1950/2010z	19 Aug	938 1 (6438 67) 29601 48224	88161 91789 000 Strong	JkC	WED
	1700/20/40z	24 Aug	938 1 (4492 114) 36808 55389	82113 41010 000 Strong	JkC	MON
	1930/1950/2010z	26 Aug	938 1 (5574 55) 49595 32188	08906 97636 000 Strong	JkC	WED
12205/13559/14728	1100/20/40z	03 Aug	973 1 (3733 136) 79254 79752	23893 67274 000 000	E.SMITH	MON
	1100/20/40z	10 Aug	973 1 (1569 139) 10701 10506	89606 33980 000 000	E.SMITH	MON
	1100/20/40z	17 Aug	973 1 (4108 133) 57580 21222	51202 95384 000 Strong	E.SMITH/JkC	MON
	1100/20/40z	24 Aug	973 1 (4973 129) 92658 31555	53761 83983 000 000	AB/E.SMITH	MON
13369/12179/----	2110/30/50z	01 Aug	314 000		E.SMITH/HFD	SAT
	2110/30/50z	05 Aug	314 000 Strong		JkC	WED
	2110/30/50z	12 Aug	314 000 Strong		JkC	WED
	2110/30/50z	15 Aug	314 000		E.SMITH	SAT
	2110/30/50z	19 Aug	314 1 (5148 121) (rest unworkable) 000	Very weak	JkC	WED
	2110/30/50z	26 Aug	314 1 (2876 55) 11559 28884.....	45805 32586 000 Weak	JkC	WED
13386/12189/11491	1500/20/40z	06 Aug	725 1 (9660 130) 35614 81148	88449 35313 000 Strong	JkC	THU
	1700/20/40z	06 Aug	725 1 (9397 117) 38678 51875	39485 67442 000 Strong	JkC	THU
	1500/20/40z	13 Aug	725 1 (3743 144) 01642 10917	24770 49196 000 Strong	JkC	THU
	1700/20/40z	13 Aug	725 1 (5510 116) 84089 27325	76910 67521 000 Strong	JkC	THU
	1500/20/40z	20 Aug	725 1 (4238 130) 15088 17943	24220 17182 000 Strong	E.SMITH/JkC	THU
	1700/20/40z	20 Aug	725 1 (9882 100) 59218 97330	59493 34669 000 Strong	JkC	THU
14468/13568/12178	1310/30/50z	01 Aug	451 1		HFD	SAT
	1310/30/50z	06 Aug	451 000 Strong/Good		E.SMITH/JkC/tiNG	THU
	1310/30/50z	13 Aug	451 000 Strong		E.SMITH/JkC	THU
13568	1330z	15 Aug	451 000 Fair		tiNG	SAT
	1310/30/50z	20 Aug	451 1 (4488 223) 28772 06496	99049 45474 000 000	E.SMITH	THU
	1310/30/50z	22 Aug	451 1 (4488 223) 28772 06496	99049 45474 000 000	E.SMITH	SAT
16348	0710z	05 Aug	316 000 (Nothing found at 0650z)		E.SMITH	WED
16348/18148/19648	0710/30/50z	12 Aug	316 1 (5098 107) 71778 47089 ...	22770 98752 000	E.SMITH/JkC	WED
	0710/30/50z	19 Aug	316 000		E.SMITH	WED
	0710/30/50z	26 Aug	316 1 (2582 120) 56756 07616	03940 64047 000 000	E.SMITH/JkC	WED

M12 Errors

- (1) Jim (JkC) reports problems with the 851 transmissions on 22 July. The 14869kHz transmission was very distorted. The 2nd transmission on 13569kHz was very broken with most "dahs" either severely clipped or broken into two "dits". Very few readable digits in entire transmission, & finally the 12179kHz 3rd transmission was still exhibiting severe problems e.g. "1" sounds like dit dit-dah dit-dah dit-dah dit-dah.
- (2) On 22 July, Edd Smith reports M12 messages were Distorted due to a Transmission/Equipment problem with the of exception to 1930/1950/2010z. Similar problem were noted the following day by Brian (BR) & Jim (JkC) on 1310z transmissions ID919, but was clear on the 1500z ID 725 transmissions, so either problem was solved or using a different Tx
- (3) On the 1820z transmission there was 60 seconds [Approx] silence between Call Up and Four Figure Group
- (4) On 05 Aug, Edd Smith & Jim (JkC) reported problems with the 7931kHz transmission - Went silent in the middle of first of last 12 groups, then restarted after 30 seconds with 257 I.D, Message Count, then repeated last 21 groups.
- (5) On 06 Aug Jim (JkC) reports a problem with tx on 9264kHz - during call-up it seemed as though there was an echo, or out of sync 2nd transmitter. Then Tx broke on 8116kHz. Returned to call-up for one minute then continued.

(6) Ary (AB) logged an extra call-up was sent at 1750z on 03 Aug on 9327kHz. (The 3rd transmission was correctly sent on the same freq at 1740 UTC)

M14 IA MCW / ICW / MCWCC, short 0

July 2015:

5240	2300z	05 Jul	376 (524 020) .. 295 ... 23051 00000	With errors (See transcript below)	AB	SUN
5280	0000z	06 Jul	376 (524 020) 93295 ... 23051 00000		AB	MON
5826	0000	27 Jul	376 (524 020) 93295 26704 26361 23051 00000		AB	MON
7485	1700z (IP)	15 Jul	In progress		RT	WED
8096	2030 - 2033z	19 Jul	381 00000 Fair Fast - 24wpm		JkC	SUN
18041	0500 - 0514z	10 Jul	952 (673 50) 29707 78308 50648 55975 00000		E.SMITH	FRI
	0500 - 0512z	15 Jul	853 (707 50) 16511 60795 07325 91669 00000		E.SMITH	WED
	0500 - 0510z	20 Jul	952 (480 60) 10966 81274 79645 35808 00000		E.SMITH	MON
	0500 - 0513z	21 Jul	952 (361 50) 28302 58921 94150 26999 00000		E.SMITH	TUE
	0500 - 0513z	22 Jul	952 (840 55) 58089 23714 04577 25359 00000	Strong via Hong Kong remote	JkC	WED
	0500z	23 Jul	NRH.		E.SMITH	THU

M14 5240kHz 2300z 05 Jul 15 (With noted errors)	M14 18041kHz 0500z 10 Jul 15
376 (R4m) 524 524 020 020 (19 sec pause) 524 524 020 020 (17 sec pause)	952 (R4m) 673 673 50 50 = =
..295* 26704 14838 56438 79563 29243 87610 83815 86096 29313 36191 62701 76747 74420 15841 41958 10736 14238 2636S 23051	29707 78308 05264 58229 31315 49570 87734 51693 55638 13535 05923 67552 25066 38960 62667 90298 88488 77501 27262 96446 53763 69787 84566 93869 53088 16046 06879 74884 77227 90960 46989 75306 39512 07462 75878 56646 55578 59129 13467 53638 49751 95890 25876 54285 24038 12715 87627 04617 50648 55975 = = 673 673 50 50
524 524 020 020 00000	
*(Single figs only)	Courtesy E.SMITH
Courtesy AB	

Peter (PoSW) found a regular schedule in July on 10755kHz & 9073kHz at 1630 & 1700z respectively. This schedule was also logged last year, but with times an hour earlier. Good catch Peter - Thanks for the logs & the additional detail & comments, most interesting & informative. Here is Peter's report:-

An M14 CW schedule was noted in July, call "975", first sending at 1630 UTC on 10,755 kHz, repeated at 1700 UTC on 9,073 kHz - although when first logged was on 9,083. This ran on a one day on - one day off schedule. This one was also logged in July of last year, same call and frequencies but at a slightly different time, half an hour later at 1700 UTC + 1730 UTC. Transmissions this July as follows:-

03-July-15, Friday:- 1638 UTC, 10,755 kHz, M14 CW in progress, ended after 1647Z with, "= = 041 041 63 63" and the 5 - dash "00000".
1700 UTC, 9,083 kHz, 10 kHz higher than I expected, call "975", DK/GC "041 041 63 63", S9 signal.

05-July-15, Sunday:- 1630 UTC, 10,755 kHz, weak signal, DK/GC "182 182 60 60".
1700 UTC, 9,073 kHz, second sending, stronger signal, S8.

07-July-15, Tuesday:- 1630 UTC, 10,755 kHz, S9 signal, DK/GC "843 843 62 62".
1700 UTC, 9,073 kHz, second sending, S7, weak FSK/RTTY type signal on close frequency.

09-July-15, Thursday:- 1630 UTC, 10,755 kHz, S9, DK/GC "384 384 60 60".
1700 UTC, 9,073 kHz, second sending slightly weaker.

11-July-15, Saturday:- 1630 UTC, 10,755 kHz, weak signal, a two-message variant of M14 this evening, first DK/GC "718 718 2 2" - two 5F groups, "11111 00027", then "975" call again and second DK/GC "240 240 61 61".
1700 UTC, 9,073 kHz, second sending, stronger signal, S8.

13-July-15, Monday:- 1630 UTC, 10,755 kHz, DK/GC "726 726 19 19", the shortest transmission so far, all done soon after 1638z.
1700 UTC, 9,073 kHz, over S9.

15-July-15, Wednesday:- 1630 UTC, 10,755 kHz, DK/GC "403 403 62 62", over S9.
1700 UTC, 9,073 kHz, second sending, S7 to S8.

17-July-15, Friday:- 1630 UTC, 10,755 kHz, DK/GC "814 814 60 60", weak signal down in the noise.
1700 UTC, 9,073 kHz, very weak, but the FSK signal on a close frequency which has always been there but much too weak to be a problem was S9+ this evening, flattening M14, the first time it has done so.

19-July-15, Sunday:- 1630 UTC, 10,755 kHz, DK/GC "023 023 64 64", S7.
1700 UTC, 9,073 kHz, S6 to S7, the FSK signal which was causing problems on the 17th now back down to its usual weak level.

21-July-15, Tuesday:- 1630 UTC, 10,755 kHz, DK/GC "138 138 60 60", up to S9.
1700 UTC, 9,073 kHz, peaking over S9.

23-July-15, Thursday:- 1630 UTC, 10,755 kHz, another two-message transmission with a very low first group count, DK/GC "730 730 2 2", "11111 00022", then "975" call again and second DK/GC "418 418 62 62".
1700 UTC, 9,073 kHz, peaking over S9.

25-July-15, Saturday:- 1630 UTC, 10,755 kHz, DK/GC “820 820 61 61”, weak signal, came up to S7 towards the end.
1700 UTC, 9,073 kHz, S7 to S8.

... and this would appear to be the last transmission from this schedule, was not heard on Monday the 27th or on subsequent days. (PoSW)

August 2015:

5240	2300 - 2309z	23 Aug	376 (524 020) 93295 ... 23051 524 020 00000	Strong	Repeat of old message (05 July)	JkC	SUN
5825	0000 - 0009z	24 Aug	376 (524 020) 93295 ... 23051 524 020 00000	Strong		JkC	MON
5938	1920 - 1929z	26 Aug	417 (592 020) 27856 43321 10456 72878 == 00000	Strong		JkC	WED
6856	1820 - 1829z	11 Aug	163 (972 020) 43765 19832 28881 93711 == 00000	Fair/ Good		JkC/tiNG	TUE
	1820 - 1829z	25 Aug	163 (972 020) 43765 19832 ... 28881 93711 == 00000	Strong		JkC	TUE
6891	1800 - 1804z	07 Aug	382 00000	Strong		tiNG	FRI
	1800 - 1804z	21 Aug	382 00000	Strong		tiNG	FRI
7485	1700 - 1704z	07 Aug	382 00000	Good		tiNG	FRI
17412	0930 - 0933z	25 Aug	457 00000	Fair		JkC	TUE
18041	0500 - 0512z	05 Aug	952 (684 50) 01763 37373 ... 51345 91776 == 00000	Weak		E.SMITH/tiNG	WED
	0500z	12 Aug	952 (131 50) 2823(4) ... fades to nil	Very Weak	Via Mojave remote	JkC	WED
	0500 - 0513z	14 Aug	952 (803 55) 44928 ... 02991 = 803 55 00000	Fair	Via Hong Kong remote	Jkc	FRI
	0500 - 0510z	20 Aug	952 (706 50) 67570 ... 35913 = 706 50 00000	Fair	Via Hong Kong remote	JkC	THU
	0500 - 0514z	25 Aug	952 (703 60) 08087 ... 15676 = 703 60 00000	Fair	Via Hong Kong remote	JkC	TUE
	0500z	26 Aug	952 (fades to nil)	Very Weak	Via Mojave remote	JkC	WED

M23 O ICW

After a long absence M23 appeared in early July with a large number of scheds. Due to the complex nature of these scheds, the pattern of transmissions is shown on the chart below, followed by the list of logs with notes, for reference.

Chart of M23 transmissions heard in July 2015 - 8030/9069kHz

Date	Time UTC						
	0529	0559	0629	1129z	1529	1559	1629
05 Jul SUN						579 (R)***	
10 Jul FRI		579 (R12) *	579 (R12)		579 (R12) *		579 (R)
11 Jul SAT	579 (R12) *	579 (R12) *	579 (R12)				
12 Jul SUN			579 (R12)				579 (R12)
13 Jul MON	579 (R12) *	579 (R12)	579 (R12)			579 (R12)	579 (R12)
14 Jul TUE	579 (R12) *					579 (R12)	579 (R12)
15 Jul WED	579 (R12) *		579 (R12)		579 (R12)	579 (R12)	579 (R12)
16 Jul THU	579 (R12)**	579 (R12)**	579 (R12)		NRH	NRH	NRH
17 Jul FRI							
18 Jul SAT	246 (R15)	576 (R) *	246 (R15)		246 (R15)	576 (R15)	246 (R15)
19 Jul SUN	246 (R15)	576 (R15)	246 (R15)		246 (R15)	576 (R15)	246 (R15)
20 Jul MON	246 (R15)	576 (R15)	NRH		246 (R15)	576 (R15)	246 (R15)
21 Jul TUE	579 (R12)	246 (R15) *	579 (R12)		579 (R12)	246 (R15)	579 (R12)
22 Jul WED	579 (R12)	246 (R15)	579 (R12)		579 (R12)	246 (R15)	579 (R12)
23 Jul THU	579 (R12)	579 (R12)	579 (R12)		579 (R12)	579 (R12)	579 (R12)
24 Jul FRI	579 (R12)	579 (R12)	579 (R12)		579 (R12)	579 (R12)	579 (R12)
25 Jul SAT	579 (R12)	579 (R12)	579 (R12)		579 (R12)	579 (R12)	579 (R12)
26 Jul SUN	579 (R12)	579 (R12)	579 (R12)		579 (R12)	579 (R12)	579 (R12)
27 Jul MON	579 (R12)	579 (R12)	579 (R12) *		579 (R12)	579 (R12)	579 (R12)
28 Jul TUE	NRH	NRH	NRH		NRH	NRH	NRH

* Heard on 8030 Only ** 8030/9096kHz *** 9069kHz Only

Note: Monitoring of all time slots was not achieved, so gaps show where monitoring was not carried out. Where no transmission was heard this is indicated with NRH.

We were alerted by Ary (AB) on July 10, but we have since received a report from Peter (PoSW) via snail mail, who heard the station on 05 July on 9069kHz, sending '579' slowly at 1606z, S9 signal, stopped in mid-flow at after 1609z, “57...” started again about a minute later & finally ended just before 1613z.

9069	1606(IP) - 1609z	05 Jul	579 (R) Slow CW. Ended suddenly mid-figure	PoSW	SUN
9069	1610 - 1613z	05 Jul	579 (R)	PoSW	SUN
8030	0559 - 0611z	10 Jul	579 (R12)	AB	FRI
8030/9069	0630 - 0642z	10 Jul	579 (R12)	AB	FRI
8030	1529 - 1541z	10 Jul	579 (R12) Unable to listen to 9069 kHz	AB	FRI
8030/9069	1630z	10 Jul	579 (R)	AB	FRI

8030//NRH	0529 - 0541z	11 Jul	579 (R12)		AB	SAT
8030//NRH	0559 - 0611z	11 Jul	579 (R12)		AB	SAT
8030//9069	0629 - 0641z	11 Jul	579 (R12)		AB	SAT
8030//9069	0629 - 0641z	12 Jul	579 (R12)		AB	SUN
	1629 - 1641z	12 Jul	579 (R12)		AB	SUN
8030//NRH	0529 - 0541z	13 Jul	579 (R12)		AB	MON
8030//9069	0559 - 0611z	13 Jul	579 (R12)		AB	MON
	0629 - 0641z	13 Jul	579 (R12)		AB	MON
	1559 - 1611z	13 Jul	579 (R12)	Fair//Weak	BR	MON
	1629 - 1641z	13 Jul	579 (R12)	Good//Weak	BR	MON
8030//9069	1529 - 1541z	14 Jul	579 (R12)		AB	TUE
	1559 - 1611z	14 Jul	579 (R12)	Fair//Fair Ends mid-fig. Followed by long dash	AB/BR	TUE
	1629 - 1641z	14 Jul	579 (R12)	Fair//Fair Ends mid-fig. No dash	AB/BR	TUE
8030//NRH	0529 - 0541z	15 Jul	579 (R12)		AB	WED
8030//9069	0629 - 0641z	15 Jul	579 (R12)		AB	WED
	1529 - 1541z	15 Jul	579 (R12)	Strong//Strong Ends mid-fig - No dash	BR	WED
	1559 - 1611z	15 Jul	579 (R12)	Strong//Strong Ends mid-fig - Followed by long dash	BR	WED
	1629 - 1641z	15 Jul	579 (R12)	Good//Strong Ends mid-fig - No dash	BR	WED

On Thu 16 July, Ary finally managed to hear the // of 8030kHz which he confirms as 9069kHz. No afternoon scheds were present

8030//9096	0529 - 0541z	16 Jul	579 (R12)		AB	THU
8030//9096	0559 - 0611z	16 Jul	579 (R12)		AB	THU
8030//9069	0629 - 0641z	16 Jul	579 (R12)		AB	THU
	1529 - 1541z	16 Jul	NRH		AB	THU
	1559 - 1611z	16 Jul	NRH		AB	THU
	1629 - 1641z	16 Jul	NRH		AB	THU

Saturday 18 July noted changes to calls, with '246' being sent on some schedules, '576' on others - & a longer transmission time of 15 minutes

8030//9069	0529 - 0544z	18 Jul	246 (R15)	Fair//Weak	AB/BR	SAT
	0602(IP) - 0612z	18 Jul	576 (R)	In progress - 8030kHz	E.SMITH	SAT
	0629 - 0644z	18 Jul	246 (R15)		AB	SAT
	1529 - 1544z	18 Jul	246 (R15)		AB	SAT
	1559 - 1614z	18 Jul	576 (R15)		AB/Mike	SAT
	1629 - 1644z	18 Jul	246 (R15)		AB	SAT
8030//9069	0529 - 0544z	19 Jul	246 (R15)	Good//Weak	BR	SUN
	0559 - 0614z	19 Jul	576 (R15)	Good//Weak	BR	SUN
	0629 - 1644z	19 Jul	246 (R15)	Fair//Weak	BR	SUN
	1529 - 1544z	19 Jul	246 (R15)		AB	SUN
	1559 - 1614z	19 Jul	576 (R15)		AB	SUN
	1629 - 1644z	19 Jul	246 (R15)		AB	SUN
8030//9069	0529 - 0544z	20 Jul	246 (R15)	Fair//Weak	AB/BR	MON
	0559 - 0614z	20 Jul	576 (R15)	Weak//Weak	AB/BR	MON
	0629z	20 Jul	NRH		AB/BR	MON
	1529 - 1544z	20 Jul	246 (R15)		AB/BR/JkC	MON
	1559 - 1614z	20 Jul	576 (R15)		AB/BR/JkC	MON
	1629 - 1644z	20 Jul	246 (R15)		AB/BR/JkC	MON

More changes to calls, with a return of '579' on some schedules with 12 min transmissions & '246' moving time slots.

8030//9069	0529 - 0541z	21 Jul	579 (R12)	Fair//Fair	BR	TUE
8030//NRH	0559 - 0614z	21 Jul	246 (R15)	Fair//NRH	BR	TUE
8030//9069	0629 - 0641z	21 Jul	579 (R12)	Fair//Fair	BR	TUE
	1529 - 1541z	21 Jul	579 (R12)		BR/JkC	TUE
	1559 - 1614z	21 Jul	246 (R15)		BR/JkC	TUE
	1629 - 1641z	21 Jul	579 (R12)		BR/JkC	TUE
8030//9069	0529 - 0541z	22 Jul	579 (R12)	Weak//Weak	BR/E.SMITH	WED
	0559 - 0614z	22 Jul	246 (R15)	Fair//Weak	BR/E.SMITH/JkC	WED
	0629 - 0641z	22 Jul	579 (R12)		AB/E.SMITH/JkC	WED
	1529 - 1541z	22 Jul	579 (R12)		AB/BR/JkC	WED
	1559 - 1614z	22 Jul	246 (R15)		AB/BR/JkC	WED
	1629 - 1641z	22 Jul	579 (R12)		AB/BR/JkC	WED

Now back to '579' calls on every schedule

8030//9069	0529 - 0541z	23 Jul	579 (R12)		AB/BR/E.SMITH	THU
	0559 - 0611z	23 Jul	579 (R12)		AB/BR/E.SMITH	THU
	0629 - 0641z	23 Jul	579 (R12)		AB/BR/E.SMITH	THU
	1529 - 1541z	23 Jul	579 (R12)		AB	THU
	1559 - 1611z	23 Jul	579 (R12)		AB/BR	THU
	1629 - 1641z	23 Jul	579 (R12)		AB/BR	THU

8030//9069	0529 - 0541z	24 Jul	579 (R12)		AB/BR	FRI
	0559 - 0611z	24 Jul	579 (R12)		AB	FRI
	0629 - 0641z	24 Jul	579 (R12)		AB	FRI
	1529 - 1541z	24 Jul	579 (R12)	Not heard on both freqs	AB	FRI
	1559 - 1611z	24 Jul	579 (R12)		AB/BR	FRI
	1629 - 1641z	24 Jul	579 (R12)		AB/BR	FRI
8030//9069	0529 - 0541z	25 Jul	579 (R12)	Weak//Weak	BR	SAT
	0559 - 0611z	25 Jul	579 (R12)		AB/BR	SAT
	0629 - 0641z	25 Jul	579 (R12)		AB/BR	SAT
	1529 - 1541z	25 Jul	579 (R12)	Weak//Weak	BR	SAT
	1559 - 1611z	25 Jul	579 (R12)	Weak//Weak	BR	SAT
	1629 - 1641z	25 Jul	579 (R12)	Weak//Weak	BR	SAT
8030//9069	0529 - 0541z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
	0559 - 0611z	26 Jul	579 (R12)		AB/BR	SUN
	0629 - 0641z	26 Jul	579 (R12)		AB/BR	SUN
	1529 - 1541z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
	1559 - 1611z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
	1629 - 1641z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
8030//9069	0529 - 0541z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
	0559 - 0611z	26 Jul	579 (R12)		AB/BR	SUN
	0629 - 0641z	26 Jul	579 (R12)		AB/BR	SUN
	1529 - 1541z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
	1559 - 1611z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
	1629 - 1641z	26 Jul	579 (R12)	Weak//Weak	BR	SUN
8030//9069	0529 - 0541z	27 Jul	579 (R12)	Weak//Weak	BR	MON
	0559 - 0611z	27 Jul	579 (R12)		AB/BR	MON
	0629 - 0641z	27 Jul	579 (R12)	Heard on 8030kHz only	AB	MON
	1529 - 1541z	27 Jul	579 (R12)	Weak//Weak	AB/BR	MON
	1559 - 1611z	27 Jul	579 (R12)	Weak//Weak	AB/BR	MON
	1629 - 1641z	27 Jul	579 (R12)	Weak//Weak	AB/BR	MON

Thanks to all Morse monitors who sent in logs for this station, & special thanks to Ary (AB) for alerting us to this series & for his efforts in helping to ensure we obtained a pretty extensive set of logs for this station.

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

8095	0543(I) - 0546z	22 Jul	In progress 52738 10290 = 278 106 00000	E.SMITH	WED
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M24a (two message variant)

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. Reception in S.E. England now unlikely as we move into late summer.

No transmissions heard in July or August. Last heard with the SD84 message on 06 & 07 May 2015.

Morse Stations - Not Number Related

M51 XIX

3881//6825	1105 (IP) - 1129z	04 Aug	Continuous grps - Ceased 1129z for commencement of FAV22 schedule			BR	TUE
	1800z (IP)	05 Aug	Continuous grps - Mostly 5-ltr, but with occasional 5-number or 5-punctuation chars			BR	WED

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

Transmissions are now continuing to use the new format, with the French leçon, using the cedilla (Dah Dit Dah Dit Dit), & the word 'numéro' added before the lesson number. (e.g. Mardi-leçon numéro 22-2/1 vitesse 600 Codé AR).

In addition, the following is sent prior to each clear test lesson. '*La vitesse des textes en clair est legerement superieure a la vitesse annoncee*' which translates as 'The speed of the plain text is slightly faster than the advertised speed', from which we must assume that the advertised speed is set for the five letter groups.

3881//6825	1130 - 1214z	03 Aug	Lundi-Leçon	01-1/1 Codé	01-1/2 Clair,	01-1/3 Codé,	01-1/4 Clair (420 grps/hr)	BR	MON
	1130 - 1214z	04 Aug	Lundi-Leçon	01-1/1 Codé	01-1/2 Clair,	01-1/3 Codé,	01-1/4 Clair (420 grps/hr)*	BR	TUE
	1130 - 1207z	05 Aug	Mercredi- Leçon	03-1/1 Codé,	03-1/2 Clair,	03-1/3 Codé,	03-1/4 Clair (720 grps/hr)	BR	WED
	1130 - 1158z	06 Aug	Jeudi- Leçon	04-1/1 Codé,	14-1/2 Clair,	04-1/3 Codé,	04-1/4 Clair (840 grps/hr)	BR	THU
	1130 - 1205z	07 Aug	Vendredi- Leçon	05-1/1 Codé,	05-1/2 Clair,	05-1/3 Codé,	05-1/4 Clair (960 grps/hr)	BR	FRI

* Error in sending - should have been Mardi-Leçon - Instead sent a repeat of the Monday (Lundi) lesson.

Peter (PoSW) has been monitoring M51 too. Here are his findings & comments:-

A great deal of activity noted from the French military station, the variant of M51 "FAV22" call sign on 6,825 and 3,881 kHz. Was logged at 2007 UTC on Friday 03-July, S9 on 6,825, 3,881 much weaker. Still on at 2100Z, 3,881 had become stronger, also S9.

Was still on with fast CW the following morning, Saturday the 4th, at around 0655z much slower and sending "VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 kHz. Was sending faster CW when checked at 0750z and 0950z. Not on at 1200z, didn't check again until Sunday the 5th after 2000z, on again with fast CW.

Logged at 1900z on Tuesday 7-July, was on at 0615z the following morning, running through the night? Was on when checked at 1655z, 1925z and 2205z, and was on at 0620z and 1620z on Thursday the 9th. Still on at 0535z, 1510z, 1925z and 2205z on Friday the 10th. Was on again at slow speed at 0825z on Saturday 11-July with faster CW at around 0840.

Appeared to be a lot less active for the remainder of July although the daily lessons in Morse logged on several days when I have been near a radio at around 1130z, the "FAV22" identification slow enough for me to read, 6,825 a fair signal but 3,881 not so good in daylight hours. Similar high levels of activity were noted in the first couple of weeks of August.

M89 O

This is a summary of activity from the M89 stations. To be read in conjunction with JPL's logs which can now be found in the charts section.

A curious daily schedule has been logged by Jean-Paul (JPL), sent at various times over twenty-four hours consisting of a hand sent call for five minutes at various times of the day at H+29. An example of a log is shown below:-

4720//NRH	2229 - 2234z	24 Aug	VVV WNF DE FXM (Remote tuner Hong Kong)	JPL	MON
	VVV WNF (x3) DE FXM (x2) (Cont'd - Hand sent - 2229z) QSA ? QSV K (2234z)				

Another curious example from the M98 stable is the output from XSV85 - mostly to be heard on 8073kHz with a regular schedule. Jean-Paul (JPL) has sent us this article based on his extensive monitoring of this station.

M89 Station - BNGC DE XSV85

My first logging of XSV85 was on the 22nd of January 2014 at 0910z on 5555 kHz. What is different about XSV85 is the use of an ITU allocated call-sign of the Republic of China. Over time, and with additional loggings, it became apparent that XSV85 had a number of regular schedules. A complete breakdown of XSV85 logs are contained in Annex A. As can be seen, XSV85 was logged on a number of frequencies, but the main frequency turned out to be 8073. When I looked at the message number of the messages being sent, it became obvious that XSV85 had two schedules per day. The first schedule found was the one at 1130z on 8073. Eventually, the second schedule was found to also be on 8073, but at 0001z.

What started off as a CW transmission, ended up consisting of three different modes. The schedule starts off with a brief voice transmission in Upper Sideband (USB). This is followed by a digital data transmission in Lower Sideband (LSB). Next is the Morse code (CW) transmission, which is followed by a repeat of the CW message using voice in USB.

With the help of Ary Boender, the digital mode being used by XSV85 has been identified as a Chinese 4+4 Parallel Tone 8 channels (4+4) X 75 Baud QPSK, commonly referred to as "4+4". This digital mode was in use by Chinese diplomatic stations in the past (replaced by MIL-STD 188-110A/B serial tone) and is now used by Chinese military stations. Traffic usually consists of 4 figure Dianbaoma groups. Dianbaoma is a way to enter Chinese characters by using the number assigned each character. Refer to Ary's Morse document for Chinese Telegraph Code character numbers at: <http://www.udxf.nl/Morse%20document.pdf>. These numbers are also used for Morse traffic.

A number of video examples of Chinese 4+4 digital decoding can be found on the Hoka Electronic website: <http://www.hoka.com/Blog%20Posts/new-mode.html>. Note that the message format used in these digital transmission examples are the same as used by M89 CW stations.

XSV85 sends mostly 3 figure cut numbers using the AU34567DNT cut number format. An example of the two main types of messages being sent by XSV85 can be found in Annex B. The formatting in the first message example is mine. This message is the one sent the most often, while the second message example type is only sent occasionally. XSV is also known to occasionally send the usual 4 figure cut number message format used by M89 stations. Message numbers are incremented by one until the end of the year, when the count reverts to 0001.

On three occasions, prior to the start of the XSV85 schedule, 05 was repeated. 05 (uses long zero) is often heard on known M89 frequencies, but without any further identification like a call-sign. At this time, it's still unsure if 05 is some sort of collective call or some sort of priority. But we now know that 05 is associated with XSV85.

More analysis is required to get the full picture of XSV85 activity and hopefully further loggings will greatly assist in this regard.

JPL

ANNEX A

XSV85 Logs

5555kHz	0910z	22/01/14[BNGCDE XSV85 (Remote tuner Hong Kong)]	JPL	WED
NR 003/CCK 110 24 0122 1530				
8073kHz	0950z	26/03/14[BNGC DE XSV85 (x2) (Cont'd) (Remote tuner Guam)]	JPL	WED
NR 025.. CK 16. EEE 0326 1605 BT				
6666kHz	1603z	22/11/14[BNGC DE XSV85 (Remote tuner Hong Kong)]	JPL	SAT
NR 0930 CK 143 22 22 1611 BT (Prior to call-up, was sending 05)				

8073kHz	1140z	27/11/14[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	THU
		NR 0942 CK 227 35 1127 1600 BT		
		NR 0943 CK 41 35 1127 1604 BT		
8073kHz	1140z	10/02/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	TUE
		NR 0148 CK 36 35 0210 1633 BT		
8073kHz	1134z	11/02/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	WED
		NR 01052 C 55/.15 1 CK 314 35 0211 1619 BT (Message Nr probably 0152)		
8073kHz	1132z	12/02/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	THU
		NR 0154 CK 253 35 0212 1637 BT		
8073kHz	1135z	14/02/15[(IP) (Remote tuner Hong Kong)]	JPL	SAT
		NR 0158 CK 102 35 0214 1549 BT		
8073kHz	1140z	17/02/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	TUE
		NR 0164 CK 303 35 0217 1623 BT		
7554kHz	1033z	24/02/15[(IP) (Remote tuner Siberia)]	JPL	TUE
		NR 162 CK 113 35 0000 22 40715		
8073kHz	1135z	25/02/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	WED
		NR 0180 CK 210 35 0225 1633 BT		
8073kHz	1138z	28/02/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	SAT
		NR 1.. 84 228 ... BT		
8073kHz	1141z	28/02/15[(IP - Probably XSV85) (Remote tuner Hong Kong)]	JPL	SAT
		NR 194 CK 189 35 0302 1542 BT		
		NR 0195 CK 22 35 0302 1548 BT		
8073kHz	1136z	06/03/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	FRI
		NR 0203 CK 197 35 0306 1611 BT		
8073kHz	1132z	07/03/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	SAT
		NR 0205 CK 234 35 0307 1643 BT		
8073kHz	1132z	08/03/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	SUN
		NR 0208 CK 30 7 35 0308 1551 BT		
		NR 0209 CK 42 35 0308 1553 BT		
8073kHz	1140z	09/03/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	MON
		NR 0212 CK 337 35 0309 1555 BT		
		NR 0213 CK 40 35 0309 1602 BT		
8073kHz	1145z	09/03/15[(IP (Probably XSV85) (Remote tuner Hong Kong)]	JPL	MON
8073kHz	1139z	27/03/15[BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	FRI
		NR 0264 CK 141 35 0327 1633 BT		
		NR 0265 CK 22 35 0327 1633 BT		
8073kHz	1140z	07/04/14[VVV BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	TUE
		00N CK 273 35 0407 1635 BT (Missed NR due to QRM – Probably 0300)		
		NR 0301 CK 32 35 0407 1658 BT		
8073kHz	1138z	09/04/14[VVV BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL	THU
		NR 0308 CK 285 35 0409 1644 BT		

NR 0309 CK 30 35 0409 1651 BT			
8073kHz	1137z	13/04/14[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL MON
NR 0324 CK 43 35 0413 1613 BT			
NR 0325 CK 177 35 0413 1614 BT			
8073kHz	1138z	18/04/14[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL SAT
NR 0337 CK 193 35 0418 1610 BT			
8073kHz	1148z	26/06/15[(IP – Probably XSV85) (Remote tuner Hong Kong)]	JPL FRI
8073kHz	1144z	07/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL TUE
NR 0356 CK 298 35 0707 1631 BT (Prior to call-up, was sending 05)			
8073kHz	1141z	08/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL TUE
NR 0568 CK 324 35 0708 1602 BT			
8073kHz	1138z	10/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL TUE
NR 0582 CK 202 35 0710 1557 BT			
NR 0583 CK 39 35 0710 1616 BT			
8073kHz	1139z	08/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL TUE
NR 0594 CK 275 35 0713 1629 BT			
8073kHz	0022z	14/07/15[(IP) (Remote tuner Hong Kong)]	JPL TUE
NR 0597 CK 23 35 07A4 0733 BT			
8073kHz	0005z	15/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL WED
NR 0599 CK 139 35 0715 0706 BT			
8073kHz	1136z	15/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL WED
NR 0600 CK 195 35 0715 1549 BT			
8073kHz	1130z	16/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL THU
NR 0602 CK 124 35 0716 1646 BT			
8073kHz	1139z	17/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL FRI
NR 0604 CK 329 35 0717 1555 BT			
8073kHz	1203z	18/07/15[(IP – Probably XSV85) (Remote tuner Hong Kong)]	JPL SAT
NR 0608 CK 120 35 0718 1647 BT			
NR 0609 CK 62 35 0718 1905 BT			
8073kHz	1139z	20/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL MON
NR 0616 CK 294 35 0720 1641 BT			
8073kHz	1136z	24/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL FRI
NR 0631 CK 229 35 0724 1537 BT			
8073kHz	1135z	28/07/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL TUE
NR 0639 CK 119 35 0728 1624 BT			
8073kHz	0017z	01/08/15[(IP – Probably XSV85) (Remote tuner Hong Kong)]	JPL SAT
5555kHz	2055z	02/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)] Note: No message sent	JPL SUN
8073kHz	001z	02/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)] NR 0648 CK 114 35 0802 0709 BT	JPL SUN
8073kHz	010z	05/08/15[(IP – Probably XZV85) (Remote tuner Hong Kong)]	JPL WED
NR 0654 CK 117 35 0805 0711 BT			
8073kHz	0009z	06/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]	JPL THU

NR 0656 CK 51 35 0806 0732 BT

NR 0657 CK 149 35 0806 0735 BT

8073kHz 1155z 06/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]

JPL THU

NR 0659 CK 83 35 0806 1623 BT

8073kHz 1134z 10/08/15[V BNGC DE XSV85 (x2) (Remote tuner Hong Kong)]

JPL MON

NR 0672 CK 110 35 0810 1552 BT

8073kHz 0006z 11/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]

JPL TUE

NR 0673 CK 92 35 0811 0715 BT

8073kHz 1144z 11/08/15[(IP- Probably XSV85) (Remote tuner Hong Kong)]

JPL TUE

NR 0674 CK 144 35 0811 1546 BT

8073kHz 0006z 12/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]

JPL WED

NR 0675 CK 114 35 0812 0710 BT

8073kHz 1134z 13/08/15[V BNGC DE XSV85 (Cont'd) (Remote tuner Hong Kong)]

JPL THU

NR 0678 CK 93 35 0813 1622 BT

ANNEX B

XSV85 Message Example

EXAMPLE 1

NR 0654 CK 117 35 0805 0711 BT

TT5 3U4 3A4 TAU

773 TA7 773 TAD

773 35U 4T7 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4D6 TAN

773 TUA

773 TUA

773 356 4T7 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4D6 TUT

773 357 373 4AD NN3 444 3DU 4DT 4D6 TUA

773 TU6

773 TU7

773 3U3 5U4 A5 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4D6 TU4

773 TU5

773 35U 4T4 NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4D6 TUN

773 T3U

773 T33

773 353 373 4AA NN3 43. 574 436 3DT TTU 4DT 4D6 III BT T3T

773 T3A

773 353 373 4AA NN3 434 3DT TTA N34 TTA ND4 TT5 4DT 4D6 AR

EXAMPLE 2

NR 0698 CK 52 35 0821 0735 BT

TTD N5U TUA N53 TT6 N54 7TT TT5 746 N65

6T5 6T6 6TA TA5 N65 6T5 6AT TT5 6A4 ANU

6A5 U3T 6A6 N45 6A7 T4D 6U4 3TT 74D 33A

N46 D47 U5D D44 N3D 635 4UT DAU U56 N35

DA5 TU4 DAA D5D NU7 DD3 6A4 UT4 6A5 UU4

6A7 T45 AR

Operator Chat from M89

Op. chat & traffic reported on the following freqs. (See JPL's full logs for details).

3271	4444	5067	6666	7554	8828	10558
3610	4626	5555	6688	7777	8888	10971
3673		5566	6775			
3789		5588	6987			
3792		5801				

New Scheds for Jul / Aug 2015:

From logs submitted from JPL

<u>5801//7602</u>	New pairing for this Round Slip	First heard 08 July	V DKG6 (x3) DE 3A7D (x2)
<u>3797/4532</u>	New frequency for this station	First heard 09 July	V M8JF (x3) DE RIS9 (x2)
<u>6825//8948</u>	New frequency & pairing for DP91	First heard 19 July	CQ (x3) DE DP91 (x2) V
<u>4720//NRH</u>	New hand-send sched	First heard 27 Jul	VVV WNF (x3) DE FXM (x2)
<u>8747//NRH</u>	Possible new sched	First heard 13 Aug	VVV (x2) 4GN (X3) DE (x2) QJ7 (x3)
<u>7777//NRH</u>	New freq for this Round Slip	First heard 26 Aug	V BNGC (x3) DE XSV85 (x2)

Chart of M89 Freq & Call signs heard in July / August 2015 New Schedules shown in Bold Type

<u>Freq in KHz</u>	<u>Call Slip</u>
3300//NRH	V MW3D (x3) DE 2SLC (x2)
3642//NRH	V DKG6 (x3) DE 3A7D (x2)
3642//7602	V DKG6 (x3) DE 3A7D (x2)
3777//NRH	V M8JF (x3) DE RIS9 (x2)
3777//4532	V M8JF (x3) DE RIS9 (x2)
3797//4532	V M8JF (x3) DE RIS9 (x2)
3821//5644	V DKSL (x3) DE ALSK V (x2)
4131//NRH	V JKDJ (x3) DE SLBC (x2)
4225//NRH	V 7NPE (x3) DE QV5B (x2)
4532//NRH	V M8JF (x3) DE RIS9 (x2)
4720//NRH	VVV WNF (x3) DE FXM (x2)
4860// 6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
5177//NRH	V DKDJ (x3) DE SLBC (x2)
5177//10145	V JKDJ (x3) DE SLBC (x2)
5500//NRH	V 7NPE (x3) DE QV5B (x2)
5588//NRH	V MW3D (x3) DE 2SLC (x2)

<u>Freq in kHz</u>	<u>Call Slip</u>
5644//NRH	V DKSL (x3) DE ALSK V (x2)
5801//7602	V DKG6 (x3) DE 3A7D (x2)
6421//9131	V DKSL (x3) DE ALSK (x2)
6793//8060	V M8JF (x3) DE RIS9 (x2)
6840//NRH	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
6840//10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
7582//NRH	V 7NPE (x3) DE QV5B (x2) (IP - Cont'd)
7602//NRH	V DKG6 (x3) DE 3A7D (x2)
7777//NRH	V BNGC (x3) DE XSV85 (x2)
8060//NRH	V M8JF (x3) DE RIS9 (x2)
8073//NRH	BNGC (x3) DE XSV85 (x2)
8110//NRH	V 7NPE (x3) DE QV5B (x2)
8747//NRH	VVV (x2) 4GN (X3) DE (x2) QJ7 (x3)
9131//NRH	V DKSL (x3) DE ALSK (x2) V
9131//10947	V DKSL (x3) DE ALSK (x2) V
10180//NRH	V DKG6 (x3) DE 3A7D (x2)

Courtesy JPL

Marker Beacons (MX MXI)

Two irregular beacons reported this time both outside of the usual 'bands'.

4150	2034z	29 Mar	MX CW Beacon "V" CW Beacon	AB	WED
7120	2156z	28 Jul	UNID Marker V [... -... -...] Sounds like 5292kHz Marker	Schorschi	TUE

Also, PoSW reports the single letter transmission sending "L" on 6,917.5kHz, heard consistently in the UK evenings throughout June seems to have been a temporary sort of thing, no sign of it in the first few days of July or since. (This one has been reported before Peter, but it does not to be in continuous use).

Oddities

5292kHz Marker

New Marker: -... [B] and higher pitch.

Schorschi July

Marker on 4525kHz

Schorschi reported the appearance of a marker on 5425kHz on Monday, 27 July. The marker was sending continuous dashes & Schorschi also heard these interrupted and Russian counting from 0 to 1.

Ary (AB) also reports an harmonic on 4521 kHz, & states that 4521kHz is used by the Russian navy and Air Force and 4525kHz, (where the marker is) is used by Russia's Strategic Forces.

Brian (BR) also heard the marker at 2025z on Tue 28 July. When he tuned back at 2032z the marker had ceased, but there were a continuous series of data transmissions on 4521kHz, each lasting approximately 10 seconds. These stopped around 2040z but the marker had still not returned by 2100z.

Ary (AB) reports that the channel marker that popped up last month on 4525 kHz is on the air again, (12 Aug). Heard a number of times in the past weeks. Could be Russian as it is a marker in the Russian military style. No traffic heard yet.

Thomas (tiNG) confirmed the marker on 13 Aug on 4525,0 kHz. It is only audible on the upper side band & coming in at the German-Danish border with S7 and slowly fading to S5 and back up.

Schorschi logged two voice messages 4525kHz on Monday 17 August. Believed to be the first messages heard from the station & recordings were made which can be accessed by members in the ENIGMA 2000 Unidentified Samples folder.

4525	2000 - 2001z	17 Aug	Good	Schorschi	MON
4525	2007 - 2008z	17 Aug	Good	Schorschi	MON

Ary (AB) has provided a translation of both messages. The first one is: **49 150** The second one: **Les 15, ja Sosna 2. 49150 = Les 15, I am Sosna 2. 49150**

Les = forest, Sosna = pinetree. (Many thanks, Ary)

XM Backwards Music / Whales / Feedback

Not heard for a long time & seems to have woken up, once again. Many theories on this phenomenon but it is generally believed to be caused by feedback between various radio circuits. Reported first by Edd (E.SMITH) on Tue 28 July, Schorschi reports that this XM started on Mon 27 July & logged at 1750z & also another on 16313kHz.

Noted as still active on Wed morning 29 July.

13236	1750z (IP)	27 Jul	Backwards Music / Whales (In progress at 1750z	Schorschi	MON
13236	0920z - 1328z +	28 Jul	Backwards Music / Whales (In progress at 0920z)	USB E.SMITH	TUE
16313		27 Jul	Backwards Music / Whales (In progress at 1750z	Schorschi	MON

Contributors: AB, AK, AnonUS, BR, E.SMITH, Gert, HFD, HRT, JkC, JPL, Mike, PoSW, RT, Schorschi, tiNG, Topol M *Thank you all for your logs.*

Voice and Data stations.

A splendid set of logs for July and especially August and mainly complete. Some gaps in the Polytones due to my taking a holiday and certain building work meaning my automatic reception facility would not be operating during that time. However, thanks to DR for doing what he could by catching some of the transmissions I would miss.

I did actually listen from my hotel in Bangkok for Polytones as well as V24 but without any success.

Peter sums up reception nicely in his opening paragraph to me, which he writes, "The HM01 Mixed Mode station from Cuba is still on; I thought that perhaps with the recent warming of diplomatic relations with the USA the Cubans might have ceased operations as a goodwill gesture but at the moment it is still going but signals have been weaker than in past summers, best reception is at around 0700 UTC, either 13,435 or 9,330 kHz depending on the day of the week. Transmissions later in the morning tend to be much weaker, often only just detectable, made worse by somewhat low level of modulation at times.

S06 and G06 much as always, and as regards E06 in August I managed to re-establish contact with the first + third Thursdays early morning schedule which I had more or less forgotten about for quite some time. Also found a Sunday E06 on 23-August just after midday local time, something to investigate further, perhaps it was connected with the reported Saturday E06 schedule.

E07 and E07a continue much as expected, no more spectacular changes in frequency in the last couple of months from the Wednesday evening SSB schedule." [Excellent Peter, thank you].

Onto the log section and note the poor conditions which blighted both July and August reception, particularly with the CME that tiNG reported via Group and the effects noticed by anyone looking for XPA2 r on the last Friday and Saturday of August, NRH one day and barely readable the next.

Thanksto all reporting correspondents:
AB, BR, DanAr, DoK, DR, E, IW, JkC. KH, Malc, MaleAnon[Ivan], Mike of Kent, Jochen, RNGB, Schorschi, Spectre,T, tiNG
If I have missed anyone out, my apologies and thanks.

E06 July/August log:

First/Third Thursday of month 2030z 5948kHz
06/08 & 20/08 '724' 613 20
14259 22676 32782 32782 76723 89409 12215 74326 64070 90235 38085 59543 12319 74238 36664 12256 18841 73311 98089 12250

Friday following First / Third Thursday 2130z 5731kHz
03/07 & 17/07 '315' 728 20 14259 22676 32782 32782 76723 89409 12215 74326 64070 90235 38085 59543 12319 74238 36664 12256 18841 73311
07/08 & 21/08 98089 12250 (Same old message!)

First /Third Thursday (repeats Friday) 0500z 13825kHz 0600z 15615kHz
02/07 '679' 453 102 80836 92022 32049 47813 03920 00473 16330 63540 76545 37993 10548 41059 62979 97854 15804 34481 52811 95659 23366 41429
16/07 59906 02661 09838 00370 89361 56540 31287 63077 56274 38363 78546 99383 84251 42410 79249 03589 00431 57564 18805 82693 14598 81660
05895 52636 44109 64839 82986 59620 64302 80337 74059 87487 89076 46167 86724 37049 11345 46101 10918 88344 58028 23421 453 102

0500z 13540kHz 0600z 16115kHz

06/08 '210' 897 105 75764 60181 58684 79256 59279 94563 93621 61118 79690 03192 25013 36179 29787 49023 37837 53308 53790 27548 56495 44244
 20/08 34111 44348 51544 50037 92269 63453 00243 17493 39920 06190 99526 57842 40901 05201 54878 84792 70262 43335 93496 74162 81205 32080
 75235 12296 15865 09235 99717 25420 20882 60515 33095 07155 53694 94765 02863 86357 90488 27473 34181 02478 71755 52267 26141 80628
 46370 05104 91401 23543 00153 50804 07656 62626 79836 46646 54338 35260 48386 62697 33030 80577 32597 63569 94993 70876 48917 81291
 24269 20870 18436 33977 49779 41945 06962 69984 84875 33645 51143 42251 17759 29530 56554 42494 01223 39632 78696 00000] 0521z

Non scheduled:

1100z 19626kHz 1200z 17468kHz
 04/07 '832' 519 72 07477 27277 52164 36533 16116 26193 81567 98316 26018 37472 03740 54773 35606 86852 23772 20258 77637 53595 53516 35478
 63707 30509 72729 16905 08776 45670 03779 23156 03583 69083 90699 79018 29358 43375 96829 03738 45742 47682 28242 90210 07586 08222
 56579 47235 31800 78131 95523 87102 12201 35159 19481 46559 51453 61557 62436 27821 80792 82676 37638 79716 89870 33865 99942 09480
 71507 37261 13968 04687 11460 30508 66852 23093 00000] 1216z

12207kHz 0834z I.P.

16/07 [342 61 23948 73932 00000] 0846z

15615kHz 1100z 14753 kHz 1200 UTC (normally an FSK sending)

22/08 and repeated on 23/08 5kHz down for 1100z sending
 '832' 745 206
 08897 84495 53164 24298 17536 83311 82567 86071 27438 94690 04740 42438 01172 44117 50453 87832 72862 36568 54794 58622
 35502 35704 53967 65201 16174 46087 29234 76107 50953 35285 38669 65372 03223 48731 06972 61573 43485 96514 02229 66967
 92255 32131 93530 84136 24764 57647 30756 44707 78803 06079 21034 30843 97459 01876 40344 96975 02380 68508 99337 95704
 84089 10915 62606 36665 61233 74104 96351 26458 12956 92134 91237 36818 97711 52670 19723 93280 93791 73690 58602 18796
 90180 77213 94953 90843 09512 94469 18497 82956 97390 56273 10850 61524 66115 96206 00760 08454 25585 11012 67782 48231
 82267 97405 92219 53146 45038 59309 09406 38405 42553 54506 66546 86318 60747 74639 67042 03291 66183 14034 44087 63513
 37195 55663 93834 28678 74108 23405 97358 92612 25415 41690 71486 42153 07210 95237 34298 87682 36548 74794 03594 46477
 24570 61981 17372 69480 86115 49554 62115 12121 13069 66311 34469 62284 14120 81079 79399 44352 51461 21931 98480 42120
 88011 65568 82949 30861 39519 07916 745 206 00000

Thanks: RNGB, Ed Smith, Ary, Ian, JkC

PoSW gives more insight into the RNGB's logs with his report:

First + Third Thursdays in the Month 2030 UTC Schedule:-

2-July-15:- 5,948 kHz, still using the summertime frequency as in the last couple of months, close to a strong broadcaster on 5,950 which usually makes copy of E06 a pain but the English Man was winning the struggle this evening, call "724", DK/GC "612 612 20 20", "14259 22676 32782 32782.....", a set of 5Fs used many times in the past.

16-July-15:- 5,948 kHz, the BC station on 5,950 much stronger than on the 2nd, difficult copy, appeared to be in 5F message mode when tuned in approx 2032Z which would suggest another early start.

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

3-July-15:- 5,731 kHz, call "315" in progress when tuned in about one minute before the half-hour, DK/GC "728 728 20 20", 5Fs the same as yesterday's 2030Z transmission, "14259 22676", and so on. S9+ very strong signal, as well as being in the usual lower side band suppressed mode the carrier seemingly also reduced as well. Whatever the case the audio quality much better with the receiver in USB mode and tuned for zero beat with the carrier.

17-July-15:- 5,731 kHz, "315" and "728 728 20 20" again, S9+ on a clear frequency, much better audio in USB mode.

7-Aug-15:- 5,731 kHz, started about ten seconds before the hour, "315", DK/GC "728 728 20 20", and 5Fs as in July.

21-Aug-15:- 5,731 kHz, "315" and "728 728 20 20" again, very strong signal.

First + Third Thursdays in the Month 0500 + 0600 UTC Schedule:-

Somewhat overlooked for some time and I got out of the routine of looking for it, on at 6 and 7 AM UK time. Evidently does not use the same frequencies on a yearly basis, in August 2013 was heard on 13,930 + 15,890 kHz with call "210". Two years later the call remains the same, but not the frequencies:-

6-Aug-15:- 0600 UTC, 16,115 kHz, call "210", DK/GC "897 897 105 105". S6 to S7 but came up to S9 several times during the transmission.

7-Aug-15, Friday:- On the expectation that there would be a "next day repeat" on a frequency one or two MHz lower than the 0600Z sending, I tuned around for a while after 0500Z - but nothing found. The second sending showed up:-
 0600 UTC, 16,115 kHz, much weaker than yesterday, S3 to S4 at best.

20-Aug-15:- 0511 UTC, 13,540 kHz, transmission in progress, well there's the first sending, then. A bit lower in frequency than I had expected, S7 or so. Ended just before 0522 UTC with "897 897 105 105 00000".
 0600 UTC, 16,115 kHz, second sending, very weak signal, only just detectable. However, propagation was rapidly changing for the better, an indicated S7 when checked again at 0616 UTC and was touching S9 by the end before 0622.

A Sunday E06:-

23-Aug-15:- 1102 UTC, 15,610 kHz, just after midday in these parts, E06 OM calling "832", DK/GC "745 745 206 206", that's a somewhat longer message than we are used to these days. S7 to S8 although often fading down into the noise, ended around 1138 UTC.

Had a quick tune around at 1200Z searching for a possible repeat transmission but nothing found.

Did not show up as a "next day repeat" on Monday 24-August, may be a repeat connected with a reported Saturday E06 schedule.

E07

PoSW reports on E07:

The three regular long-time E07 AM schedules continue to show up much as expected.

Sunday + Wednesday Schedule, 1700 UTC Start:-

1-July-15, Wednesday:- 1700 UTC, 13,898 kHz, "817 817 817 000", audio somewhat low but readable.
1720 UTC, 12,198 kHz, second sending.

5-July-15, Sunday:- 1720 UTC, 12,198 kHz, "817 817 817 000", S9 with better than usual audio.

12-July-15, Sunday:- 1700 UTC, 13,898 kHz, and 1720 UTC, 12,198 kHz, both S9 with reasonable audio, "817 817 817 000".

19-July-15, Sunday:- 1700 UTC, 13,898 kHz, S9 with reasonable audio, and 1720 UTC, 12,198 kHz, "817 817 817 000".

2-Aug-15, Sunday:- 1700 UTC, 13,881 kHz, starting up for a "full message", "818 818 818 1", DK/GC "348 108" x 2.
1720 UTC, 12,181 kHz, second sending, strong signal.
1740 UTC, 10,881 kHz, third sending, weakest of the three transmissions, S6.

Monday + Wednesday Schedule, 1900 UTC Start:-

1-July-15, Wednesday:- 1900 UTC, 14,812 kHz, "845 845 845 1", DK/GC "914 40" x 2. Over S9 with better than usual audio.
1920 UTC, 13,412 kHz, second sending, strong "XJT" on the same frequency making for difficult copy.
1940 UTC, 11,512 kHz, third sending, S9+ with good audio.

6-July-15, Monday:- 1900 UTC, 14,812 kHz, "845 845 845 000", up to S9 with reasonable audio.

15-July-15, Wednesday:- 1900 UTC, 14,812 kHz, "845 845 845 000", S9+ with good audio.

22-July-15, Wednesday:- 1900 UTC, 14,812 kHz, "845 845 845 000", peaking over S9 with better than usual audio.
1920 UTC, 13,412 kHz, second sending, strong enough to over-ride the "XJT" churning away on this frequency.

3-Aug-15, Monday:- 1900 UTC, 14,378 kHz, "349 349 349 1" for a full message. DK/GC "160 45" x 2. Over S9 with good audio.
1920 UTC, 13,458 kHz, second sending, interference from the rapidly swept carrier which resides here.
1940 UTC, 10,958 kHz, third sending, well over S9 with good audio.

5-Aug-15, Wednesday:- 1900 UTC, 14,378 kHz, "349...1...160...45" again, as on the 3rd.
1920 UTC, 13,458 kHz, and 1940 UTC, 10,958 kHz, repeats. Noted that Ivan was testing the transmitters earlier on, a massive carrier observed on 10,958 at approx 1820Z, went off shortly after tuned in, realised this was an E07 frequency and sure enough shortly afterwards strong carriers came up on 13,458 for a few seconds and then on 14,378.

10-Aug-15, Monday:- 1920 UTC, 13,458 kHz, "349 349 349 000", over S9 with reasonable audio.

24-Aug-15, Monday:- 1900 UTC, 14,378 kHz, "349 349 349 1", DK/GC "826 36" x 2, S9+, very strong signal with good audio.
1920 UTC, 13,458 kHz, and 1940 UTC, 10,958 kHz repeats, both also S9+ with good audio.

Thursday Schedule, 2010 UTC Start:-

2-July-15:- 2010 UTC, 11,539 kHz, "553 553 553 000", over S9 with better than usual audio, a much weaker "XJT" on a close frequency.
2030 UTC, 10,547 kHz, second sending, also over S9.

16-July-15:- 2010 UTC, 11,539 kHz, flattened by the "XJT", S9+ this evening, was not even a mild annoyance last time. E07 carrier went off just before 2012:30s UTC which suggests "no message" again.
2030 UTC, 10,547 kHz, "553 553 553 000", audio somewhat low.

6-Aug-15:- 2010 UTC, 10,753 kHz, "716 716 716 000", S9+, very strong, with good audio.
2030 UTC, 9,147 kHz, second sending, also S9+.

13-Aug-15:- 2010 UTC, 10,753 kHz, and 2030 UTC, 9,147 kHz, both over S9 with good audio, "716 716 716 000".

Other's logs:

Sunday/Wednesday

July 2015

1700z	13898kHz	1720z	12198kHz	1740z	10798kHz
01/07	817 000				Strong
05/07	817 000				Fair
08/07	817 000				Very weak, QRN3
12/07	817 000				Strong
15/07	817 000				Fair, QRM3

19/07	817 000	Strong
22/07	817 000	Fair, noisy
26/07	817 000	Fair, QRN2
29/07	817 1 348 108 66741 ... 26061 000 000	Weak, Noisy QRN2-5

817 1 348 108
66741 66618 89990 86307 94288 65461 75124 88533 57621 75522
48548 17092 52555 21809 03037 57491 62236 69635 64724 47335
04135 70970 56997 82185 97889 10167 85718 87530 59945 48676
58371 15721 96042 99488 59442 33959 51136 95098 92406 90816
16281 91996 11936 75254 17918 10253 73584 93340 76356 00079
35658 61494 03603 22678 91190 32725 97779 82746 23858 46586
17293 19433 47139 74394 44534 72802 38098 61569 89935 11690
12380 48689 32805 75672 59895 98537 22265 99477 00116 90269
96844 74289 30944 14588 70609 31259 73232 37744 84341 08899
22289 06310 90191 78714 10651 89494 42660 77113 97328 82852
27440 69226 90382 80759 99580 47733 83843 26061
000 000

Courtesy Ary

August 2015

1700z	13881kHz	1720z	12181kHz	1740z	10881kHz	
02/08	818 348 108 66741 ... 26061 000 000					Strong
05/08	818 000					Weak
12/08	818 000					Fair
16/08	818 000					Weak
23/08	818 000		[1700z Unreadable]			Fair
26/08	818 000					Strong
30/08	818 000					Strong

Monday/Wednesday

July 2015

1900z	14812kHz	1920z	13412kHz	1940z	11512kHz	
01/07	845 1 914 40 24447 ... 20300 000 000			[1900/1920z weak, noisy]		Strong
08/07	845 000					Fair, QRN3, QSB2
13/07	845 000					Very strong
15/07	845 000		[1920z XJTQRM3]			Strong
22/07	845 000					Strong
29/07	845 000		[1920zDigiQRM5]			Fair

August 2015

1900z	14378kHz	1920z	13458kHz	1940z	10958kHz	
03/08	349 1 160 45 21759 ... 37412 000 000					Very strong
05/08	349 1 160 45 21759 ... 37412 000 000					Very strong

349 1 160 45
21759 12282 13604 68600 28641 61283 93149 20027 99467 49458
70087 49977 41307 29393 42260 97273 46182 96007 33571 58618
70657 64578 56195 53479 08497 36142 12718 85621 38439 95704
59369 16291 07636 27060 43626 19504 79571 42492 72961 83506
11891 39864 23150 37029 37412
000 000

Courtesy JkC

12/08	349 000	[1700z NRH]				Very strong
17/08	349 000					Weak
24/08	349 1 826 36 73972 ... 25779 000 000					Very strong

349 1 826 36
73972 05474 88375 47097 65578 39212 60217 70129 84820 20101
30515 87032 51010 93270 31323 85139 96733 65875 64221 38966
84374 83243 50968 11929 57952 55898 13911 31641 09751 06835
96413 16066 97657 59971 82383 25779
000 000

Courtesy JkC

26/08	349 1 826 36 73972 ... 25779 000 000	Extremely strong
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31/08	349 1 826 36 73972 ... 25779 000 000	[1920z weak]	Strong
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Wednesday/Saturday

July 2015

0600z	9064kHz	0620z	10264kHz	0640z	11464kHz
18/07	024 000				
22/07	024 000				
25/07	024 000				

August 2015

0600z	9064kHz	0620z	10264kHz	0640z	11464kHz
01/08	024 000				
05/08	024 1 712 57 05453 37620 ... 00276 55603 000				
12/08	024 000				Strong
19/08	024 1 686 80 07945 ... 26945 000 000				

024 1 686 80
07945 06769 41616 89653 69526 29439 10474 11516 75967 20975
38885 50309 31310 16170 11949 49681 70270 39460 24639 44289
43556 86139 42870 00075 81715 99966 58732 27612 01208 68759
41796 31920 15231 32898 05507 98616 12428 32028 38396 72431
59604 04822 39198 92796 91864 71904 10235 38764 04677 74469
19804 83782 71207 63940 12717 38322 63601 30379 30934 72020
40178 14358 43443 41611 73683 03558 20668 13528 25387 91174
86762 33018 66572 36875 32706 41364 10865 27001 64039 26945
000 000

Courtesy Edd

22/08	024 1 686 80 07945 ... 26945 000 000
26/08	024 000

Thursday

July 2015

2010z	11539kHz	2030z	10547kHz	2050z	9388kHz
02/07	553 000				Fair
09/07	553 000				Strong, QRN2
16/07	553 000				Strong, QRM3
23/07	553 000				Fair, QRM2, QSB2
30/07	553 000				Weak and noisy

August 2015

2010z	10753kHz	2030z	9147kHz	2050z	7637kHz
20/08	716 000				Strong
27/08	716 000				Weak

E07a

PoSW reports comment on this regular transmission:

No big surprises since the Wednesday evening UK time schedule did a dramatic change of frequencies in May.

Wednesday Schedule, 2000 UTC Start:-

1-July-15:- 2000 UTC, 12,166 kHz, “172 172 172 1 38672” for a full message, DK/GC “2895 91” x 2. S9+, very strong SSB signal.
2020 UTC, 10,766 kHz, second sending, S9+ again.
2040 UTC, 9,266 kHz, third sending, another S9+ transmission to complete the trio.

15-July-15:- 2000 UTC, 12,166 kHz, “172 172 172 1 38672” and “2895 91” x 2, same as on the 1st. S9+ signal.
2020 UTC, 10,766 kHz, and 2040 UTC, 9,266 kHz, repeats, both S9+.

22-July-15:- 2000 UTC, 12,166 kHz, “172 172 172 1 16966”, DK/GC “9592 68” x 2, another “full message”, S9+ signal.
2020 UTC, 10,766 kHz, and 2040 UTC, 9,266 kHz, the repeats with S9+ signals.

5-Aug-15:- 2000 UTC, 12,166 kHz, “172 172 172 000”, S9+.
2020 UTC, 10,766 kHz, second sending, also S9+.

Saturday Schedule, 0800 UTC Start:-

4-July-15:- 0800 UTC, 12,173 kHz, “198 198 198 000”, S6 to S7.
0820 UTC, 13,973 kHz, second sending, much weaker signal, only just readable.

11-July-15:- 0800 UTC, 12,173 kHz, “198 198 198 000”, up to signal strength S7.
0820 UTC, 13,973 kHz, second sending, very weak signal.

18-July-15:- 0800 UTC, 12,173 kHz, “198 198 198 1 16258” for a full message, DK/GC “1221 84” x 2, S5 to S6 SSB signal.
0820 UTC, 13,973 kHz, second sending, strength S6.
0840 UTC, 14,873 kHz, third sending, peaking S7.

1-Aug-15:- 0800 UTC, 12,177 kHz, “148 148 148 000”, S6 to S7.
0820 UTC, 13,477 kHz, second sending, weak signal down in the noise.

8-Aug-15:- 0800 UTC, 12,177 kHz, and 0820 UTC, 13,477 kHz, both S6 to S7, “148 148 148 000”.

22-Aug-15:- 0800 UTC, 12,177 kHz, full message this morning, “148 148 148 1 62320”, DK/GC “722 77” x 2. Over S9, much stronger signal than usual.

0820 UTC, 13,477 kHz, second sending, S7 to S8.
0840 UTC, 14,877 kHz, third sending, the weakest of the three but still a respectable S6 to S7 and sometimes up to S8.

Other's logs – reflecting comments above.

Wednesday

July 2015

2000z	12166kHz	2020z	10766kHz	2040z	9266kHz	
01/07	172 1 38672 2895 91 87475 ... 02231 000 000					Very strong
08/07	172 000			[1920z transmission probs, inc freq change]		Strong, QRN2/3
15/07	172 1 38672 2895 91 87475 ... 02231 000 000					Extremely strong
22/07	172 1 16966 9592 68 72821 ... 16081 000 000					Very strong

172 1 16966 9592 68
72821 86705 37860 33093 16794 49661 24618 00452 89903 75882
62851 26264 61105 63829 59914 08012 78207 44121 52360 15940
79253 69785 37210 05322 71431 95669 69026 69727 28573 95672
37692 37398 80533 68739 02245 42857 12491 82775 62821 18583
79000 93685 09874 43666 06098 38513 01322 29576 84995 67653
35850 99674 03680 56208 94216 22217 75983 29214 48122 25874
07011 18240 67100 83159 77313 25012 91413 16081
000 000

Courtesy JkC

29/07	172 000					Extremely strong
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August 2015

2000z	12166kHz	2020z	10766kHz	2040z	9266kHz	
05/08	172 000					Strong
12/08	172 000					Strong
26/08	172 1 39299 7441 77 72395 ... 33102 000 000					Extremely strong

Thursday

July 2015

0430z	7933kHz	0450z	9133kHz	0510z	10233kHz	
02/07	912 1 38672 2895 91 87475 ... 02231 000 000				[0430z weak & noisy]	Strong and noisy
09/07	912 000				[0450z dataQRN2]	Strong
16/07	912 1 38672 2895 91 87475 ... 02231 000 000					Fair to strong

912 1 38672 2895 91
87475 36978 16634 64883 18696 40873 80120 96221 72351 76733
21751 62390 07564 13340 94476 78612 75201 84945 24551 72730
14304 44630 71880 00529 05054 33184 59893 29247 23906 95040
35353 10831 68217 29131 91438 90191 69084 10829 36480 57177
38161 44824 48202 97142 60708 80183 13382 32530 22278 80212
64807 27792 36333 99916 31256 33484 59715 56253 31666 44093
32436 87813 48687 67679 65974 39898 05545 02446 34606 39087
47382 15160 63416 22936 61409 20489 68153 00410 00601 37347
74112 04333 47130 70356 44853 96474 91865 11672 05938 92735
02231 000 000

Courtesy ES

23/07	912 1 16966 9592 68 72821 ... 16081 000 000	Very strong
30/07	912 000	Very strong

August 2015

0430z	7933kHz	0450z	9133kHz	0510z	10233kHz	
06/08	Missed!					
13/08	912 000					Strong
20/08	912 1 16966 9592 68 72821 ... 16081 000 000					Extremely strong

912 1 16966 9592 68
72821 86705 37860 33093 16794 49661 24618 00452 89903 75882
62851 26264 61105 63829 59914 08012 78207 44121 52360 15940
79253 69785 37210 05322 71431 95669 69026 69727 28573 95672
37692 37398 80533 68739 02245 42857 12491 82775 62821 18583
79000 93685 09874 43666 06098 38513 01322 29576 84995 67653
35850 99674 03680 56208 94216 22217 75983 29214 48122 25874
07011 18240 67100 83159 77313 25012 91413 16081 000 000
Courtesy Edd/JkC

Friday

July 2015

1510z	12213kHz	1530z	11413kHz	1550z	10113kHz	
03/07	241 000					Strong, QSB3
10/07	241 000					Strong
17/07	241 1 16258 ...					Weak, noisy, unusable
24/07	241 000					Weak, noisy
31/07	241 000					Fair

August 2015

1510z	12213kHz	1530z	11413kHz	1550z	10113kHz	
07/08	241 000					Strong
28/08	241 000					Weak

Saturday

July 2015

0800z	12173kHz	0820z	13973kHz	0840z	14873kHz	
04/07	198 000					Strong, QSB2/3
11/07	198 000					Strong
18/07	198 1 16258 1221 84 29270 ... 26084 000 000					Fair, QSB3

198 1 16258 1221 84
29270 44823 53662 75369 38841 43973 19036 47319 20047 95942
04380 01759 51276 18517 85614 67051 38250 71609 69803 74452
26131 72361 11390 63361 61929 01562 70815 67308 65454 97607
66681 53754 40888 37318 24250 51665 08936 42493 82099 83584
89147 68088 03014 02301 92444 69986 97423 53618 74556 83544
19894 00599 05083 84243 61747 29337 95294 71898 24281 12517
02375 08397 86981 09269 56293 10843 20262 41779 00267 74270
40986 66821 97783 24118 98682 10804 51302 80692 58928 66092
69139 22931 53348 26084 000 000
Courtesy ES

25/07	198 000	Fair, noisy
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August 2015

0800z	12177kHz	0820z	13477kHz	0840z	14877kHz	
01/08	148 000					Fair, noisy
08/08	148 000					Fair, QSB2
29/08	148 000					Weak

E11 log July/Aug

8088kHz	1730z	09/07 [416/00] Out 1732z Strong QRM1 QSB1	JkC	THU
	1730z	23/07 [416/00] Out 1733z S4	Malc, Ed Smith	THU
	1730z	30/07 [416/00] Out 1733z S3	Malc	THU
	1730z	06/08 [416/00]	RNGB	THU
	1730z	13/08 [416/00]	Thomas	THU
	1730z	20/08 [416/00]	Gary H	THU
8530kHz	2000z	10/07 [576/00]	Malc	FRI
	2000z	31/07 [576/00]	RNGB	FRI
	2000z	07/08 [576/00]	RNGB	FRI
8565kHz	0315z	15/07 [253/00] Out 0318z	Ed Smith	WED
	0315z	12/08 [253/00] Out 0318z Very Weak QRM4 QSB1	JkC, Ed Smith	WED
	0315z	20/08 [253/00] Weak	JkC	THU
9130kHz	2005z	04/07 [363/00]	Thomas	SAT
	2005z	11/07 [363/00] Out 2008z	Ed Smith	SAT
	2005z	26/07 [363/00] Out 2008z S6	Malc	SUN
	2005z	08/08 [363/00] Out 2008z S6	Malc	SAT
	2005z	09/08 [363/00] Out 2008z S7	Malc	SUN
	2005z	15/08 [363/00] Fair	RNGB	SAT
	2005z	22/08 [363/00] Good	RNGB	SAT
	2005z	23/08 [363/00] Out 2008z Very weak QRM4 QSB1	JkC	SUN
	2005z	29/08 [363/00] Out 2008z S5	Malc	SAT
9150kHz	0820z	02/07 [438/00] Out 0823z	Ed Smith	THU
	0820z	06/07 [438/00] Weak	RNGB	MON
	0820z	09/07 [438/00] Out 0823z	Ed Smith	THU
	0820z	13/07 [438/00] S2	Malc	MON
	0820z	16/07 [438/00]	Malc	THU
	0820z	20/07 [438/00] Out 0823z S4	Malc	MON
	0820z	23/07 [438/00] Out 0823z S3	Malc	THU
	0820z	10/08 [438/00] Out 0823z S4	Malc	MON
	0820z	13/08 [438/00] Good	RNGB	THU
	0820z	17/08 [438/00] Out 0823z S5	Malc	MON
	0820z	24/08 [438/00] Out 0823z Strong QRM1 QSB1	JkC	MON
	0820z	31/08 [438/00] Out 0823z S2	Malc	MON
9610kHz	0745z	06/07 [262/00] Out 0748z	Ed Smith	MON
	0745z	13/07 [262/00] S2	Malc	MON
	0745z	03/08 [262/00]	RNGB	MON
	0745z	24/08 [262/00] Out 0748z Strong QRM1 QSB1	JkC	MON
	0745z	31/08 [262/00] Out 0748z S2	Malc	MON
10213kHz	0930z	09/07 [270/00]	D Schorschi	TUE
	0930z	15/07 [270/00] Out 0933z	Ed Smith	WED
	0930z	22/07 [270/00] Out 0933z S3	Malc	WED
	0930z	29/07 [270/00] Out 0933z S6	Malc	WED
	0930z	30/07 [270/00]	RNGB	THU
	0930z	05/08 [270/00] Weak	RNGB	THU
	0930z	26/08 [270/00] Weak	RNGB	WED
10302kHz	1045z	14/07 [469/00] Weak	RNGB	TUE
	1045z	21/07 [469/00] Out 1048z S6	Malc	TUE
	1045z	28/07 [469/00] Fair	RNGB, Malc	TUE
	1045z	04/08 [469/00] Good	RNGB, Malc	TUE
	1045z	11/08 [469/00] Fair	RNGB	TUE
	1045z	14/07 [469/00] Out 1048z	Ed Smith	TUE
	1045z	25/08 [469/00] Out 1048z S4	Malc	TUE
10356kHz	1530z	09/07 [262/00] Out 1532z Strong QRM1 QSB1	JkC	THU
	1530z	16/07 [262/00] Out 1533z S7	Malc	THU
	1530z	06/08 [262/00]	RNGB	THU
	1530z	20/08 [262/00] Out 1533z Strong QRM1 QSB1	JkC	THU
10800kHz	0450z	06/07 [416/00] Out 0453z	Ed Smith	MON
	0450z	20/07 [416/00] Out 0453z QSA1	Ed Smith	MON
	0450z	27/07 [416/00] Out 0453z	Ed Smith	MON
	0450z	10/08 [416/00] Out 0453z	Ed Smith	MON

11581kHz	1925z	16/07 [551/00] Out 1928z	Schorschi	THU
	1925z	04/08 [551/00] Out 1928z Strong QRM1 QSB1	JkC	TUE
	1925z	06/08 [551/00]	RNGB	THU
	1925z	20/08 [551/00] Out 1928z Strong QRM1 QSB1	JkC	THU
12924kHz	0830z	20/07 [649/00] Out 0833z S9	Malc	MON
	0830z	27/07 [649/00] Out 0833z S5	Malc	MON
	0830z	31/07 [649/00] Out 0833z	Ed Smith	FRI
	0830z	03/08 [649/00] Good	RNGB	MON
	0830z	10/08 [649/00] Weak	RNGB	MON
	0830z	24/08 [649/00] Out 0833z Fair QRM1 QSB1	JkC	MON
	0830z	28/08 [649/00] Out 0833z S5	Malc	FRI
13424kHz	0545z	01/07 [348/00] Out 0548z	Ed Smith	WED
	0645z	07/07 [517/00] Weak	RNGB	TUE
	0545z	15/07 [348/00]	RNGB	WED
	0645z	21/07 [517/00] Out 0748z S9+10	Malc	TUE
	0545z	22/07 [348/00] Out 0548z Fair QRM1 QSB1	JkC	WED
	0645z	23/07 [517/00] Out 0648z S2	Malc	THU
	0645z	30/07 [517/00] Out 0648z S3	Malc	THU
	0645z	04/08 [517/00]	RNGB	TUE
	0645z	11/08 [517/00] Out 0648z	Ed Smith	TUE
	0645z	13/08 [517/00]	Malc	THU
	0545z	14/08 [348/00] Out 0548z Fair QRM1 QSB1	JkC	FRI
	0545z	19/08 [348/00]	RNGB	WED
	0645z	20/08 [517/00] Weak	JkC	THU
13427kHz	0900z	01/07 [534/00] Out 0903z	Ed Smith	WED
	0900z	06/07 [534/00] Weak	RNGB	MON
	0900z	08/07 [534/00] Out 0903z	Ed Smith	WED
	0900z	13/07 [534/00] S2	Malc	MON
	0900z	20/07 [534/00] Out 0903z S3	Malc	MON
	0900z	10/08 [534/00] Out 0903z S4	Malc	MON
	0900z	12/08 [534/00] Out 0903z Fair QRM1 QSB1	JkC	WED
	0900z	17/08 [534/00] Out 0903z S3	Malc	MON
	0900z	31/08 [534/00] Out 0903z S6	Malc	MON
13537kHz	1225z	20/07 [521/00] Out 1228z S6	Malc	MON
	1225z	27/07 [521/00] Out 1228z S5	Malc	MON
	1225z	31/07 [521/00] Out 1228z	Ed Smith	FRI
	1225z	03/08 [521/00] Good	RNGB	MON
	1225z	07/08 [521/00] Out 1228z S4	Malc	FRI
	1225z	10/08 [521/00] Out 1228z S5	Malc	MON
	1225z	14/08 [521/00] Out 1228z	Ed Smith	FRI
	1225z	17/08 [521/00] Out 1228z S6	Malc, JkC	MON
	1225z	31/08 [521/00] Out 1228z S9	Malc	MON
13873kHz	1045z	07/07 [576/00]	RNGB	TUE
	1045z	14/07 [576/00] Good	RNGB	TUE
	1045z	28/07 [576/00] Fair	RNGB	TUE
	1045z	04/08 [576/00] Good	RNGB, Ed Smith	TUE
	1045z	18/08 [576/00] Out 1048z	Ed Smith, JkC	TUE
	1045z	25/08 [576/00] Out 1048z S3	Malc	TUE
13908kHz	0600z	07/08 [181/00] Out 0603z	Ed Smith	FRI
	0600z	14/08 [181/00] Good	RNGB, JkC	FRI
	0600z	24/08 [181/00] Out 0603z Weak QRM2 QSB2	JkC	MON
14753kHz	0710z	03/07 [633/00]	RNGB	FRI
	0710z	14/07 [633/00] Out 0713z	Ed Smith	TUE
	0710z	28/07 [633/00]	RNGB	TUE
	0710z	11/08 [633/00] Out 0713z	Ed Smith	TUE
	0710z	14/08 [633/00] Out 0713z	Ed Smith	FRI
	0710z	25/08 [633/00] Out 0713z S2	Malc	TUE
14865kHz	1705z	11/07 [392/00] Out 1713z S9+10	Malc	SAT
	1705z	15/07 [392/00]	RNGB, Malc	WED
	1705z	18/07 [392/00] Out 1705z S9	Malc, Ed Smith	SAT
	1705z	22/07 [392/00] Out 1708z S7	Malc, JkC	WED
	1705z	29/07 [392/00]	Gary H	WED
	1705z	05/08 [392/00] 1708z S9	Malc	WED

	1705z	08/08 [392/00] Out 1708z S9	Malc	SAT
	1705z	22/08 [392/00] Out 1708z QSA2 QRM1 QRN2 QSB2	Thomas	SAT
	1705z	29/08 [392/00] Out 1708z S6	Malc	SAT
14975kHz	0805z	01/07 [311/00] Out 0808z	Ed Smith	WED
	0805z	08/07 [311/00]	RNGB	WED
	0805z	22/07 [311/00] Out 0808z S6	Malc	WED
	0805z	26/07 [311/00] Out 0808z S7	Malc	SUN
	0805z	29/07 [311/00] Out 0808z	Ed Smith	WED
	0805z	02/08 [311/00] Out 0808z S7	Malc	SUN
	0805z	05/08 [311/00] Good	RNGB	WED
	0805z	12/08 [311/00] Out 0808z Fair QRM2 QSB2	JkC	WED
	0805z	16/08 [311/00]	Malc	SUN
	0805z	26/08 [311/00]	RNGB	WED
15632kHz	0745z	07/07 [335/00] Fair	RNGB	TUE
	0745z	21/07 [335/00] Out 0748z S4	Malc	TUE
	0745z	23/07 [335/00] Out 0748z S4	Malc	THU
	0745z	28/07 [335/00] Weak	RNGB	TUE
	0745z	04/08 [335/00] Out 0748z S4	Malc	TUE
15795kHz	1625z	15/07 [978/00] Out 1628z S4	Malc	WED
	1625z	19/07 [978/00] Out 1628z Very Weak QRM1 QSB1	JkC	SUN
	1625z	22/07 [978/00] Out 1628z S9	Malc, JkC	WED
	1625z	05/08 [972/00] Out 1628z S2	Malc	WED
	1625z	09/08 [972/00] Out 1628z S2	Malc	SUN
	1625z	12/08 [972/00] Out 1628z Weak QRM1 QSB2	JkC	WED
	1625z	16/08 [972/00]	Malc, JkC	SUN
	1625z	19/08 [972/00] Out 1628z Weak QRM1 QSB2	JkC	WED
	1625z	23/08 [972/00] Out 1628z Very weak QRM1 QSB3	JkC	SUN
15803kHz	1300z	08/07 [133/00] Out 1303z	Ed Smith	WED
	1300z	15/07 [133/00]	RNGB, Malc	WED
	1300z	22/07 [133/00] Out 1303z S2	Malc	WED
	1300z	05/08 [133/00] Out 1303z S3	Malc	WED
	1300z	11/08 [133/00] Fair	RNGB	TUE
15905kHz	0710z	16/07 [491/00] Good	RNGB	THU
	0710z	16/07 [491/00] Out 0813z S9+10	Malc	THU
	0710z	18/07 [491/00]	Ed Smith	SAT
	0710z	23/07 [491/00] Out 0713z S5	Malc	THU
	0710z	30/07 [491/00] Weak	RNGB, Ed Smith	THU
	0710z	01/08 [491/00] Out 0713z S4	Malc	SAT
	0710z	08/08 [491/00]	RNGB	SAT
	0710z	13/08 [491/00] Out 0713z	RNGB, Ed Smith	THU
	0710z	15/08 [491/00]	RNGB	SAT
16335kHz	1540z	05/07 [228/00]	Gert	SUN
	1540z	19/07 [228/00] Out 1543z Weak QRM2 QSB3	JkC	SUN
	1540z	26/07 [228/00] Out 1543z S5	Malc	SUN
	1540z	10/08 [228/00] Out 1543z S4	Malc	MON
	1540z	16/08 [228/00] Out 1543z QSA2 QRM1 QRN2 QSB4	Thomas	SUN
	1540z	24/08 [228/00] Out 1543z Fair QRM1 QSB1	JkC	MON
17120kHz	0730z	03/07 [352/00] Good	RNGB	FRI
	0730z	05/07 [352/00]	RNGB	SUN
	0730z	10/07 [352/00]	RNGB	FRI
	0730z	17/07 [352/00] Out 0733z S4	Malc	FRI
	0730z	19/07 [352/00] Out 0733z S2	Malc	SUN
	0730z	31/07 [352/00] Fair	RNGB	FRI
	0730z	07/08 [352/00] Out 0733z S3	Malc	FRI
	0730z	21/08 [352/00] Weak	RNGB	FRI
	0730z	23/08 [352/00] Fair	RNGB	SUN
<u>E11a log</u>				
<u>July/Aug</u>				
8088kHz	1730z	16/07 [410/38 10753 06976 07011 08892 65742 12312 84032..... 06246 03448] Out 1740z S9	Malc , Ed Smith	THU
8530kHz	0845z	04/08 [121/26.....ATTENTION 96362.....11851] Out 0853z S3	Malc	TUE
	2000z	14/08 [577/33 71111 20604 99421 48585 97476 09935 28962.....20646 97833]	RNGB	FRI

9130kHz	2005z	18/07 [364/32 14358 00070.....26793 59418] Out 2014z QSA5 QRM2 QRN1 QSB2	Thomas, Malc	SAT
	2005z	02/08 [366/30.....ATTENTION 23274.....74817] Out 2019z S9	Malc	SUN
9150kHz	0820z	27/07 [432/35 53258 36690 84154 62713 95850 50806 33237.....70222 63563] Out 0830z S4	Malc, RNGB	MON
	0820z	03/08 [430/30 00206 86752 18870 25532 77951 88671 52543.....47728 31398]	RNGB, Malc	MON
	0820z	06/08 [430/30 00206....etc] Repeat of Monday	Thomas	THU
9610kHz	0745z	20/07 [268/35.....ATTENTION 96353.....85892] Out 0755z S7	Malc	MON
	0745z	10/08 [262/32.....ATTENTION 76694.....48088] Out 0754z S4	Malc	MON
10213kHz	0930z	01/07 [277/34 39861 15218 87244 11312 OUT] 0939z	Ed Smith	WED
	0930z	12/08 [278/31 50539 19005 63796 18569 53229 96713 46432.....62911 90357] OUT 0939z	Ed Smith	WED
	0930z	13/08 [278/31 50539....etc] Repeat of Wednesday	Malc	THU
10302kHz	1045z	07/07 [465/31 49953 70374 26870 94839 59710 36557 69519 92177.....67895 92762] Weak	RNGB	TUE
	1045z	18/08 [460/35 92146 56345 21451 72452 18868 85581 81384 43548.....06258 98302] Out 1054z	Ed Smith, JkC	TUE
10356kHz	1530z	23/07 [268/35 96353 93283 19113 16190 47221 90360 05347 21847.....06919 85892] Strong	JkC, Malc	THU
	1530z	13/08 [262/32 76694 88667 51238 04751 10313 10230.....87080 48088] Out 1539z Strong	JkC, Malc	THU
10487kHz	1710z	13/07 [953/22 ATTENTION 10140.....41313] Out 1717z S4	Malc	MON
	1710z	20/07 [953/30 54100 86220 47920 57146 30110 96094 14557 54922.....25719] Out 1718z S5	JkC, Malc	MON
	1710z	03/08 [957/26 83829 63988.....79340 97255] Out 1718z S4	Malc, Thomas	MON
	1710z	07/08 [959/23 60627 09991 59482 76517 59398 39465 93528..... 51559 78134] Out 1717z S3	Thomas, Malc	FRI
	1710z	10/08 [955/28 23377 79362 00669 09174 75199 72240 67786.....81936 98077]	RNGB	MON
	1710z	17/08 [953/20 82930.....38938] Out 1717z S6	Malc	MON
	1710z	24/08 [959/25 03201 60513 15148 01043 21610 55391 62229.....75082 63553]	JkC, Malc	MON
	1710z	31/08 [957/30 31496 28352 63500 01781 82988 99486 54606.....91480 26971] Good	RNGB, Malc	MON
10800kHz	0450z	24/08 [415/37 46918 90282 61278 54264 35046 84038 09413.....40717 32255] Out 0500z Fair	JkC	MON
11581khz	1925z	11/08 [552/38 71493 37824 77204 95739 94550 27445.....39145 29555] Out 1935z	Thomas, RNGB, Spectre	TUE
	1925z	13/08 [552/38 71493....etc] Repeat of Tuesday	Ed Smith, RNGB	FRI
12924kHz	0830z	06/07 [647/35 49458 87851 41144 04536 44017 83815 36887 45484 88301 .....92277 23041]	RNGB	MON
	0830z	10/07 [647/35 49458 .....etc] Out 0839z Repeat of Monday	Ed Smith	FRI
	0830z	17/08 [646/37 91150 73428 97019 98243 03134 36601 08823.....96523 05898] Out 0840z S7	Ed Smith, Malc	MON
13424kHz	0645z	14/07 [514/35 15377 37417 43097 85088 11284 86461 17899 73443.....67018 73221] Weak	RNGB	TUE
	0645z	16/07 [514/35 15377.....73221] Out 0654z R3 Repeat of Tuesday 0654z S3	Malc	THU
	0545z	29/07 [343/31 41988 45614 77904 76361 61282 29554 16991 15055.....25088 00923]	Ed Smith, Ary	WED
	0545z	31/07 [343/31 41988....etc] Repeat of Wednesday	Ed Smith	FRI
	0545z	05/08 [349/31 54749 04730 33703 71939 51847 49025 44272 70478.....25984] Weak	RNGB	WED
	0645z	25/08 [518/30 51154 02665 14706 79658 38557 88632 66526 50629 42932.....49952 28500]	JkC, RNGB	TUE
13427kHz	0900z	29/07 [532/33 14522 24863 62437 12628 18255 69975..... 30011 13514] Out 0909z	Ed Smith, Ary, RNGB	WED
	0900z	03/08 [534/35 55959 81584 47886 62716 42036 07345 19425.....60750 15470] Good	RNGB	MON
	0900z	05/08 [534/35 55959.....etc] Repeat of Monday	RNGB	WED
13537kHz	1225z	13/07 [521/33 ATTENTION 33479.....57859] Out 1234z S3	Malc	MON
13722kHz	1400z	04/07 [981/10 53166 57865 55277 54796 27033 93793 44073 13954 17372 93367]	Thomas	SAT
	1400z	11/07 [981/10 ATTENTION 53116.....93367] Out 1405z S6	Malc	SAT
	1400z	14/07 [981/10 ATTENTION 53166.....93367] Repeat of Saturday	Malc	TUE
	1400z	18/07 [987/10 48221 03271 05452 72718 38112 07770 81265 75940 25597 58981] Out 1405z	Malc	SAT
	1400z	21/07 [980/10 27278 72867 93305 20594 74800 54324 33287 35336 20062 57143]	Gary H, JkC, Ed Smith	TUE
	1400z	25/07 [982/10 09967 91445 11507 49158 59471 84979 78499 77935 09739 72400] Out 1405z S7	Malc	SAT
	1400z	01/08 [986/10.....ATTENTION 54450.....32022] Out 1405z S5	Malc	SAT
	1400z	04/08 [985/10 09392 56038 57903 54055 36996 81051 22370 67780 36939 31326]	RNGB, Malc	TUE
	1400z	11/08 [988/10 62418 04354 70385 35403 07656 77080 96203 00149 43441 80147] Fair	RNGB	TUE
	1400z	15/08 [981/10 33949 81483 62042 50725 94485 19839 43356 96124 02883 57403]	Gert, Malc	SAT
	1400z	18/08 [988/10 68687 91406 83052 92377 62604 08790 56365 90314 62394 31214]	JkC	TUE
	1400z	25/08 [982/10 36045 63748 67485 72349 56004 95447 92579 35340 12185 16981] Out 1405z	Ed Smith	TUE
	1400z	29/08 [988/10 64965.....45791] Out 1405z S3	Malc	SAT
13873kHz	1045z	21/07 [575/35 02249 42419 16201 16646 66504 20063 26209.....36233 53218] Out 0545z S6	Ed Smith, Malc	TUE
	1045z	11/08 [577/33 71111 20604 99421 48585 97476 09935 28962.....20646 97833] Weak	RNGB	TUE
13908kHz	0600z	31/07 [181/38 69896 23522 97445 90853 58748 01481 55371 31098.....51811 38821] Out 0610z	Ed Smith	FRI
	0600z	21/08 [185/32 55401 81111 07536 07436 60495 27104 30698 17067.....87599 91383] Out 0609z	Ed Smith	FRI

14518kHz	1810z	04/07 [982/10 02251 93109 95948 20662 22296 75407 74647 43277 28138 58005] Out 1815z	Ed Smith, Thomas	SAT
	1810z	07/07 [984/10 63775 37769 62373 45805 70729 70928 89686 11370 56658 27569]	RNGB	TUE
	1810z	14/07 [982/10 ATTENTION 88252.....56134] Out 1815z S7	Malc	TUE
	1810z	18/07 [983/10 70592 47735 59397 04327 90479 64138 22284 37392 35720 57344]	Gary H, Ed Smith	SAT
	1810z	21/07 [981/10 44736 09882 36102 55439 22195 40192 51980 22469 35639 37483] Out 1815z S2	JkC, Malc	TUE
	1810z	08/08 [984/10 05065.....09392] Out 1815z S9	Malc	SAT
	1810z	11/08 [986/10 70017 33181 01180 89606 14236 97929 11964 82041 07924 73076]	Thomas, Malc, JkC	TUE
	1810z	15/08 [983/10 37886 11455 46552 53528 36462 82557 75167 03184 50836 96324]	Thomas	SAT
	1810z	18/08 [980/10 47510 55268 65045 24134 49026 77819 66266 95191 34190 30688]	RNGB	TUE
	1810z	22/08 [983/10 77960 03335 08867 67425 13282 92478 98007 43275 66423 57006]	Thomas	SAT
	1810z	25/08 [983/10 50492 81764 80884 11672 22179 32525 69830 63092 90255 03309] Out 1815z S2	JkC, Malc	TUE
14753kHz	0710z	21/07 [637/37 97512 85845 49986 72638 89489 07220 96729 79139.....68513 63149] 0720z	Ed Smith, Malc	TUE
	0710z	04/08 [637/34 14496 26705 85211 21979 01011 02686 45412 91396.....04736 36422] Out 0719z	Ed Smith, RNGB	TUE
	0710z	07/08 [637/34 14496.....etc] S5 Repeat of Tuesday	Malc	FRI
14769kHz	0530z	07/07 [982/10 54445 27096 80599 76344 77037 05439 60293 62490 20489 90015] Out 0535z	Ed Smith	TUE
	0530z	11/07 [980/10 43285 19247 47231 86828 76545 70785 77514 54494 43176 51408] Out 0535z	Ed Smith	SAT
	0530z	18/07 [980/10 45572 96566 26889 63141 66906 48209 89342 59579 53043 17317] Out 0535z	Ed Smith	SAT
	0530z	25/07 [980/10 97X97 69950 97522 37952 99504 77102 86557 73604 77463 91482] Out 0535z	Ed Smith	SAT
	0530z	28/07 [981/10 17259 74153 12818 10032 92173 46842 13820 15018 92970 11371] Out 0535z	Ed Smith	TUE
	0410z	03/08 [951/20 04785 43720 47053 18986 78046 58716 29563 74091.....13721 38290] Out 0417z	Ed Smith	MON
	0530z	04/08 [982/10 60628 97628 11494 85476 25787 35075 99839 09377 74792 59202] Out 0535z	RNGB, Ed Smith	TUE
	0530z	08/08 [982/10 42050 27284 93420 69918 93206 13419 72105 11559 85786 29940] Out 0535z	Ed Smith	SAT
	0410z	10/08 [951/23 48833 78305 36759 54108 52181 68805 64594.....13055 15286] Out 0417z	Ed Smith	MON
	0410z	14/08 [953/25 rest unworkable, fades to nil] 0000z Weak QRM1 QSB4	JkC	FRI
	0530z	22/08 [981/10 99725 25096 10040 30822 09141 39390 68556 31578 75128 54035] Out 0535z	Ed Smith	SAT
	0530z	25/08 [981/10 68205 49446 80838 93345 52077 10195 82692 41437 04456 51935] Out 0535z Fair	JkC	TUE
14865kHz	1705z	04/07 [399/32.....ATTENTION 57118 21157.....] Out 1714z	Malc	SAT
	1705z	12/08 [392/37.....ATTENTION 09077.....14282] Out 1715z S9+10	Malc	WED
	1705z	15/08 [392/37 09077 53350 82102 50351 77672 97102 80193 63369..... 58085 14282]	Gert, Ed Smith	SAT
14975kHz	0805z	23/08 [315/32 35061 66169 51376 48773 95744 22007 85595.....07086 81350]	RNGB	SUN
15632kHz	0745z	14/07 [333/33 31462 75971 60391 29974 84057 70511 18721 64214.....23291] Weak	RNGB	TUE
	0745z	16/07 [333/33 31462 etc...] Repeat of Tuesday	Malc	THU
	0745z	25/08 [332/33 17295 07257 91080 95449 98859 47840 60750 24313 01994.....49730 83540]	JkC	TUE
15795kHz	1625z	12/07 [974/38.....ATTENTION 41975.....58120] Out 1635z S5	Malc	SUN
	1625z	26/08 [972/32 31440 11568 37109 71011 88782 68964 91224.....40353 85591] Out 1634z	JkC, Malc	WED
15803kHz	1300z	29/07 [132/31 27003 27161 33463 44211 30496 42572 88043.....16514 92657] Fair	Ary, RNGB	WED
	1300z	18/08 [131/30] QSA1 UNABLE TO COPY	Ed Smith	TUE
15905kHz	0710z	09/07 [499/34 84347 58728 02972 05148 01502 26482 07420 44340.....35994 85589]	RNGB	THU
	0710z	20/08 [492/37 59067 85005 55210 34619 95388 18316 75865 87336.....65030 84979] Out 0720z	JkC, Malc	THU
16335kHz	1540z	03/08 [224/38 99290.....17417] Out 1550z S2	Malc	MON
16388kHz	1110z	13/07 [952/31 ATTENTION 49811.....03433] Out 1118z S5	Malc	MON
	1110z	20/07 [952/35 ATTENTION 82164.....64205] Out 1119z S4	Malc	MON
	1110z	27/07 [952/35.....ATTENTION 74359.....63247] Out 1120z S5	Malc	MON
	1110z	31/07 [954/34 05135 00412 25238 86125 43716 48609 60273 66130.....97687 46082] Out 1119z	Ed Smith	FRI
	1110z	10/08 [952/32.....too weak to copy]	Malc	MON
	1110z	14/08 [958/34 12122 79965 42322 22318 82634 88679 84710.....06335 46197] Out 1119z	RNGB, Ed Smith	FRI
	1110z	17/08 [952/31 33044 40656 89519 91502 90087 74896 51891.....18076 81429] Out 1119z Strong	JkC, Ed Smith	MON
	1110z	24/08 [952/33 54555 24544 96004 46787 94021 06125 97632.....76695 87130] Out 1119z	Ed Smith	MON
	1110z	28/08 [952/31 88144.....10553] Out 1118z S3	Malc	FRI
17120kHz	0730z	26/07 [355/34.....ATTENTION 86991.....] Faded into QRM]	Malc, RNGB	SUN
	0730z	14/08 [352/34 50541 72699 10754 38466 48342 32320 00442.....11382 21278] Good	RNGB	FRI
	0730z	16/08 [352/34 50541 .....etc] Repeat of Friday	Malc	SUN

E17z

Thursday

July 2015

0800z	16780kHz	0810z	12850kHz	
02/07	674 215 8 57914 ... 24986 00000			
09/07	674 215 8 57914 99227 16046 11393 00359 29551 97532 24986 24986 215 8 00000			Fair
16/07	674 298 5 82045 36717 24042 75956 31670 298 5 00000			Weak
23/07	674 298 5 82045 ... 31670 298 5 00000			Weak
30/07	674 00000			Fair

August 2015

06/08	674 918 5 35444 81434 39706 31728 46049 918 00000	Strong
13/08	674 918 5 35444 81434 39706 31728 46049 918 00000	Weak
20/08	674 938 5 44801 99925 44326 92970 83889 938 5 00000	
27/08	674 938 5 44805 99925 44326 92970 82889 938 5 00000	Weak

E25

9450kHz1115z 23/08[315 1082 0310 6011 3011 9248 9042 0212 3190 2716 0310 1917] 1120z "Inte Omri"
i.p. occasionally replaced with an other song, bad audio, YL ended with "EOM 3", AM QSA3 QSB3 MG SUN

Unusually low signal strength for my QTH. Also the signal was detectable (but not copyable) at Twente.

E25 a

6140kHz1116z 20/08 [887 1 2] 1118z, Weak

G06

We start with PoSW's report and then onto others' logs:

The Thursday and Friday evening, UK time, schedules continue to transmit the same messages of twenty 5F groups which have appeared many times over the past couple of years or so.

Second + Fourth Thursdays 1830 UTC Schedule:-

9-July-15:- 6,887 kHz, call "842", DK/GC "317 317 20 20" followed by the well-used sequence of 5Fs which starts "37839 35787 98273.....".

23-July-15:- 6,887 kHz, started early, call-up in progress when tuned in before 1829 UTC, DK/GC at 1831, "842" and "317 317 20 20" as on the 9th, all done by 1834 and 35s UTC.

13-Aug-15:- 6,887 kHz, "842" and "317 317 20 20", same as last month. Started about 30s before the half-hour.

Friday 1930 UTC Schedule Following the Second + Fourth Thursdays in the Month:-

10-July-15:- 5,943 kHz, started over two minutes before the half hour, call "218", DK/GC "394 394 20 20", the 5Fs another score of 5Fs which have appeared on many previous occasions, "06132 75514 79681.....", S9 signal, no interference despite being inside the 49 metre broadcast band.

24-July-15:- 5,943 kHz, another early start, call-up up and running when tuned in just after 1928 UTC, "218" and "394 394 20 20" again.

15-Aug-15:- 5,943 kHz, started about half a minute early, "218" and "394 394 20 20", as in July.

First + Second Mondays in the Month 1700 + 1800 UTC Schedule:-

6-July-15:- 1700 UTC, 5,246 kHz, "248 248 248 00000", weak signal down in the noise, clear copy in USB mode, had started when tuned in about 20 seconds before the hour and stopped well before 1703 UTC.

1758 UTC - started two minutes before the hour - 4,892 kHz, second sending, weak signal.

10-Aug-15:- 1700 UTC, 5,246 kHz, "248 248 248 00000", weak signal.

G06 continued

Others' logs

Monday

July 2015

0800z 7320kHz

06/07 329 00000

20/07 329 00000 Weak

1700z 5246kHz

13/07 248 00000 Weak

August 2015

0800z 7320kHz 1700z 5246kHz 1800z 4892kHz

03/08 248 00000 [1800z unreadable] Weak

17/08 329 00000 Weak

Wednesday

July 2015

1200z 6933kHz

15/07 248 00000

August 2015

1200z 6933kHz 05/08 7411kHz

05/08 248 00000 Weak

12/08 248 00000 Weak

Thursday

July 2015

1830z 6887kHz

09/07 842 317 20 37839 ... 04594 317 20 00000 Fair, QRN3

23/07 842 317 20 37839 ... 04294 317 20 00000 Strong

27/08 842 317 20 37839 ... 04594 317 20 00000 Extremely strong

842 317 20 20
37839 35787 98273 60187 16202 95625 31691 52538 61025 22567
93296 67423 40968 16891 63781 34820 04842 60491 75924 04594
317 20 00000 *Courtesy KH*

Thursday

August 2015

NEW FREQ? Per tiNG

1300z 5890kHz

06/08 329 00000 Weak

Friday

July 2015

1930z 5943kHz

10/07 218 394 20 06132 ... 24884 394 20 00000 Strong QRN2

S06

Peter opens comment on S06, then onto RNGB's report:

Not much to attract much interest here, pretty much the same old same old, although in July the Saturday evening, UK time, came up with a "full message" instead of the usual four minutes of "00000".

Weekly Saturday 1600 or 1605 UTC Schedule:-

4-July-15:- 1600 UTC, 8,167 kHz, "491 491 491 00000", S7 to S8.

11-July-15:- 1600 UTC, 8,167 kHz, "491 491 491 00000", the "XJT" on the HF side particularly strong today.

25-July-15:- 1600 UTC, 8,167 kHz, "491 491 491 00000", peaking S9.

15-Aug-15:- 1600 UTC, 8,167 kHz, "491 491 491 00000".

22-Aug-15:- 1600 UTC, 8,167 kHz, "491 491 491 00000", over S9.

First + Third Saturdays in the Month 1900 + 2000 UTC Schedule:-

4-July-15:- 1900 UTC, 7,321 kHz, calling "738" for a "full message", unusual enough to be worthy of comment, DK/GC "126 126 47 47". Difficult copy due to S9+ broadcaster on 7,325 kHz, Radio Taiwan in French language presumably being relayed from a high-power transmitter located somewhere in Europe. This starts up on the hour at the same time that S06 gets going. At around 1849 UTC 7,321 was a clear frequency with S06 doing the pre-transmission warm-up routine of carrier with audio tone and a single spoken "Syem Tri Vosyem" shortly afterwards.

2000 UTC, 6,768 kHz, second sending, strong "XJT" churning away on the LF side - but since it is on the LF side is very effectively removed by using the receiver in USM mode.

And there was a "next day repeat":-

5-July-15, Sunday:- 1900 UTC, 7,321 kHz, better copy than yesterday, the BC station on 7,325 a much weaker signal this evening, S7 at the most. 2000 UTC, 6,768 kHz, second sending, the strong "XJT" on the LF side dealt with as above.

15-Aug-15:- 1900 UTC, 7,321 kHz, "738 738 738 00000", the BC station on 7,325 starting up on the hour just as S06 gets going.

2000 UTC, 6,768 kHz, second sending, S7 to S8, and the strong "XJT" on the LF side which had made for difficult copy in May, June and July has gone leaving S06 in the clear.

First + Third Fridays in the Month 2000 + 2100 UTC Schedule - but shifted by one hour in August:-

3-July-15:- 2000 UTC, 11,605 kHz, "392 392 392 00000", up to S9 with QSB.

2100 UTC, 9,233 kHz, second sending, peaking over S9.

17-July-15:- 2000 UTC, 11,605 kHz, and 2100 UTC, 9,233 kHz, both peaking S9, "392 392 392 00000".

7-Aug-15:- No sign of S06 "392" at 2000 UTC on 11,605 kHz, +/-; but knowing that this schedule moves by one hour from time to time - and not just seasonal spring and autumn

changes when clocks change for daylight saving reasons - and had moved *forwards* by one hour in June from 1900Z and 2000Z to 2000Z and 2100Z, the idea occurred that it might have moved *back* again - which proved to be the case:-

2000 UTC, 9,223 kHz, calling "392" for a "full message", DK/GC "605 605 29 29", not too long, ended after 2010Z and cut carrier.

21-Aug-15:- 1900 UTC, 8PM in the UK, 11,605 kHz, "392 392 392 00000". Weak signal competing with local high noise level, quite high around 11 MHz for some reason.

2000 UTC, 9,223 kHz, second sending, much better signal, over S9 at times.

Onto RNGB's Report

S06 log July

Daily Mon- Fri 0400z 15721kHz

01/07	'480' 531 60 50181 96183 08062 93901 65922 17991 52428 91504.....46939 53544 00000]	0512z	Ed Smith	WED
02/07	'480' 297 50 58849 00194 74972 30269 44479 82597 25750 15362.....69537 86265 00000]	0411z	Ed Smith	THU
07/07	'480' 535 60 18207 84687 65915 52144 88554 45981 80234 63298.....56270 61922 00000]	0412z	Ed Smith	TUE
08/07	'480' 721 50 94112 84187 40293 68555 68888 92333 76872 53266.....66255 50144 00000]	0411z	Ed Smith	WED
09/07	'480' 636 50 In progress..33485 58036 38020 92254 00942 86669.....88208 88851 00000]	0411z	Ed Smith	THU
10/07	'480' 219 60 99392 88101 75249 34292 97532 36299 80196 61167.....23914 14433 00000]	0412z	Ed Smith	FRI
15/07	'480' 371 60 93587 43581 18891 77354 80248 77619 53984 83479.....47604 38959 00000]	0412z	Ed Smith	WED
20/07	'480' 169 50 98599 65191 91752 01009 96639 82114 73964 19857.....96240 18955 00000]	0411z	Ed Smith	MON
21/07	'480' 275 60 20316 53992 21346 24394 53078 99007 42593 62166.....14112 14345 00000]	0412z	Ed Smith	TUE

Thursdays (Repeats following day) 0830z 0930z

No reports

Fridays (1st & 3rd) 2000z 11610kHz 2100z 9208kHz (frequencies may vary slightly)

Saturdays (1st/2nd/3rd and 4th) 1600z 8167kHz or 1605z 7311kHz

04/07	1600z	'491' 00000
11/07	1600z	'491' 00000
25/07	1600z	'491' 00000

Saturdays (1st/3rd)		1900z	7321kHz	2000z	6768kHz
04/07	‘738’	126 47 56472 84378 68274 98522 30206 23456 31989 74352 75300 05377 75948 11336 55614 79197 80782 55119 85172			
		19293 48843 12289 40404 72165 81465 72701 62818 73340 76243 28009 53690 69012 11922 87965 27477 22042			
		11547 37355 50757 93343 25916 01409 06389 53395 60862 26597 84418 04803 37078 47 126 00000 {1913z}			
18/07	‘738’	00000			
Unscheduled:					
S25 or S06bc 18259kHz 1435z 28.07.15					
[in progress ... 054 054 054 79032 79032 R3m					
22222 22222					
78732 R4m					
77032 R4:30m					
63232 R3m					
00000 00000]		1451z QSA3 QRM1 QRN2 QSB3 ZBZ3	Schorschi	TUE	H3E (nice catch Schorschi)
S06s July log:					
Sunday					
5th/12th	0630/40	16320/14835	‘524’	918 6 94497 15593 39460 92050 23248 58790	
19th/26th			‘524’	970 6 60583 54545 50128 99477 83574 48874	
Monday					
6th/13th	0830/40	8221/9353	‘371’	826 5 42997 94184 37590 26173 74836	
20th/27th			‘371’	425 6 89758 52343 76928 42432 56075 56281	
6th/13th	0900/10	16380/14835	‘872’	963 5 83017 773822 18273 90465 19822	
20th/27th			‘872’	961 5 80744 86201 84706 42314 61736	
6th/13th	1200/10	10230/12165	‘831’	920 5 67286 74059 72532 59526 30430	
20th/27th			‘831’	924 5 10597 23521 47660 02883 69901	
Tuesday					
7th/14th	0600/10	15945/16945	‘438’	520 6 72137 49837 36685 99735 50235 29933	
21st/28th			‘438’	260 5 47665 94092 48521 63482 92060	
7th/14th	0700/15	5430/6780	‘374’	280 5 78594 50123 48392 00539 11500	
21st/28th			‘374’	901 5 36489 48648 33184 43886 98333	
7th/14th	0730/40	7365/11655	‘427’	503 6 67493 40098 12046 05833 22790 33286	
21st/28th			‘427’	910 5 38783 19163 49945 39845 35007	
7th/14th	0800/10	14373/12935	‘352’	498 6 46738 45390 55647 59908 11234 35432	
21st/28th			‘352’	408 6 48992 45648 34061 83314 33628 37319	
7th/14th	1000/10	6440/5660	‘893’	201 5 75911 00983 48761 49313 55133	
21st/28th			‘893’	467 5 36774 42260 37008 39333 48951	
7th/14th	1100/10	6810/7560	‘754’	809 6 87906 44735 56473 44831 44009 99223	
21st/28th			‘754’	203 6 48951 46800 37901 43784 34114 30527	
7th/14th	1500/10	6666/7744	‘537’	480 6 67584 88907 22314 55674 89035 48300	
21st/28th			‘537’	829 6 46049 35488 83133 34172 89858 96445	
Wednesday					
1st/8th	0530/40z	11565/12560	‘464’	917 5 20529 80749 03752 76367 84777	
15th/22nd			‘464’	987 5 48992 45648 34061 83314 33623	
1st/8th	0730/40	12110/14977	‘745’	916 8 11909 44056 83104 55996 85756 99566 57801 94443	
15th/22nd			‘745’	216 8 33796 13577 74526 11171 64385 82707 06123 45731	
1st/8th/15th	0820/30	9485/11085	‘471’	928 5 63914 55183 90373 63820 17834	
22nd/29th			‘471’	938 6 73910 73772 51738 93033 51369 73829	
1st/8th	1000/10	14580/16020	‘729’	456 8 62159 85689 57708 29853 28328 15785 93992 73661	
15th/22nd			‘729’	503 6 33796 13577 74526 46647 79302 53516	
Thursday					
2nd/9th	0800/10	16780/12850	‘674’	215 8 57914 99227 16046 11393 00359 29551 97532 24986	
16th/23rd			‘674’	298 5 82045 36717 24042 75956 31670	
2nd/9th	0900/10	6844/7161	‘624’	903 5 31084 92096 58781 62106 27361	
16th/23rd			‘624’	839 5 96320 36793 53038 76342 15009	
2nd/9th	0900/10	12952/13565	‘167’	483 5 76423 96867 62483 62500 75237	
16th/23rd			‘167’	249 5 40614 77249 40678 17976 21816	
2nd/9th	0930/40	9255/10325	‘314’	528 6 41645 35709 36414 49790 32528 45764	
16th/23rd			‘314’	902 5 82691 29839 37257 44893 41045	
2nd/9th	1200/10	13145/14535	‘425’	973 6 49294 38964 31724 37324 39316 42450	
16th/23rd			‘425’	978 6 40398 85417 38448 33485 42331 21389	
Friday					
3rd/10th	0600/10	7845/9125	‘196’	275 8 37034 37823 38230 42257 38792 44520 46992 31373	
17th/24th			‘196’	470 5 33913 33663 46305 43487 32953	
3rd/10th	0930/40	10290/9655	‘516’	249 8 11909 44056 83104 55996 85756 99566 57801 94443	
17th/24th			‘516’	239 7 88623 58069 61732 74547 57440 26371 52715	

Saturday

4th 1200/10 12460/10250 '254' NRH

Thanks to RNGB, Hans JS, Malc (M8),

S06 log August**Daily Mon- Fri****0400z****15721kHz**

25/08 '480' 363 50 Rest unworkable] 0411z Weak QRM1 QSB4 JkC TUE Hong Kong remote
26/08 '480' 757 60 59429 88401 24177 00204 04112.....98347 59679 757 60 00000] 0412z JkC WED Hong Kong

Thursdays**(Repeats following day)****0830z****16327kHz****0930z****13875kHz**

07/08 '842' 160 39 49626 64103 28778 75128 29000 31912.....38779 22915

14/08 '842' 359 40 82229 29771 33149 06292 16692 10794.....85857 91468

Fridays (1st & 3rd)**1900z****11615kHz****2000z****9223kHz** (frequencies may vary slightly)

07/08 '392' 605 29 59993 92112 25274 85459 21939 75421 60549 25260 73883 60929 40309 12698 63099 85978 65458 60542 22416 56704
11442 54275 02457 11086 85520 53740 92988 48835 39339 82264 58968

21/08 '392' 00000 (used 11605kHz)

Saturdays (1st/2nd/3rd and 4th)**1600z****8167kHz or****1605z****7311kHz**

08/08 1600z '491' 00000

15/08 1600z '491' 00000

22/08 1600z '491' 00000

Saturdays (1st/3rd)**1900z****7321kHz****2000z****6768kHz**

15/08 '728' 00000

Unscheduled:**10755kHz**

S06 reappeared on 10755kHz. This freq was used by S06 variant/M14/M24 (training?) late last year and earlier this year. I am fairly sure it was up earlier today on the same freq with a different message, but I only caught the very end at 1246z with a very uncertain "... ?83 74 00000".

11/08 1330z '975' 612 73
47612 06666 00149 67949 80395 92376 38745 16517 28007 88572 81822 99307 63666 98739 08695 97350 89758 95998 65996 23964
48636 45901 25412 32175 53452 29327 41898 24573 31197 2641117081 89047 95123 47445 97515 08844 88765 21693 62498 20362
68718 80046 81118 17160 18373 92473 43228 23581 09805 46184 94037 86442 55990 75461 26998 58237 20537 79082 14684 70269
77127 86280 82344 19172 35859 57181 53822 15242 78658 28643 24518 66026 70973 612 73 00000

17473kHz 0930z

11/08 '392' 506 71 36599 12668 80705 24411 10848 59162 89313 47650 25604 13548 03243 22133 96321 29252 45368 15919 06723 17044 05349 31380
14061 65120 08813 94873 16206 68274 31949 73455 53981 33335 97451 98337 47193 53061 12XXX 997X1 87790 65682 36418 83037
38585 42268 83870 00247 10984 69122 07981 97621 20156 17382 15868 42957 41082 17006 07600 62940 13921 77354 47822 X5029
72126 21530 06228 8X562 91758 26684 27814 74796 85420 87454 18866 00000] 0945z Ed Smith

S06s August log:**Sunday**

2nd/9th 0630/40 16320/14835 '524' 908 6 83517 73901 63829 01158 93562 89203

16th/23rd '524' 987 6 36489 48648 33184 43886 45494 81397

Monday

3rd/10th 0830/40 8221/9353 '371' 452 6 35444 81434 39796 31728 46039 35488

17th/24th '371' 862 5 33276 31831 12543 32335 88879

3rd/10th 0900/10 16380/14835 '872' 936 5 36489 48648 33184 43886 45494

17th/24th '872' 930 5 84428 41727 33373 30953 83426

3rd/10th 1200/10 10230/12165 '831' 572 6 33796 13577 74526 46647 79302 25616

17th/24th '831' 946 5 88397 44942 80383 32484 36344

Tuesday

4th/11th 0600/10 15945/16945 '438' 256 7 42169 40614 77249 40678 57440 10597 47660

18th/25th '438' 917 5 48443 83529 30777 36040 39939

4th/11th 0700/15 5430/6780 '374' 892 5 36489 48648 33184 43886 45494

18th/25th '374' 205 6 48992 45648 34061 83314 33623 37319

4th/11th 0730/40 7365/11655 '427' 591 6 33494 33845 46931 44333 31613 33864

18th/25th '427' 583 6 33365 47183 81326 36388 94323 45547

4th/11th 0800/10 14373/12935 '352' 891 6 36126 33486 36797 34432 34341 45249

18th/25th '352' 817 6 80144 33956 43871 43498 34654 83634

4th/11th 1000/10 6440/5660 '893' No reports

18th/25th '893' (6?)70 5 ..774 42260 37008 36333 48951 ?

4th/11th 1100/10 6810/7560 '754' 906 8 43871 43498 34654 89083 89348 49325 80429 34132

18th/25th '754' 819 6 33494 33845 46931 44333 12543 32335

4th/11th 1500/10 6666/7744 '537' 894 6 33796 13577 74526 46647 79302 53516

18th/25th '537' 964 8 36073 46044 86219 36221 4.443 83529 89196 30777

Wednesday

5th/12th	0530/40z	11565/12560	'464' 893 5 52401 63919 92699 14600 74248
19th/26th			'464' 273 5 37453 44856 84363 33046 36126
5th/12th	0730/40	12110/14977	'745' 201 6 83426 48433 33014 33730 88962 82882
19th/26th			'745' 963 8 33365 47183 81326 36388 94323 45547 48082 39581
5th/12th	0820/30	9485/11085	'471' 925 6 57440 10597 23521 47660 92883 69901
19th/26th			'471' 952 6 48992 45648 34061 83314 33623 37319
5th/12th	1000/10	14580/16020	'729' 801 5 38907 34620 33228 83377 43671
19th/26th			'729' 845 6 36489 48648 33184 34886 45494 81397

Thursday

6th/13th	0800/10	16780/12850	'674' 918 5 35444 81434 39706 31728 46049
20th/27th			'674' 938 5 44801 99925 44326 92970 83889
6th/13th	0900/10	6844/7161	'624' 913 5 37319 37771 48130 89019 45330
20th/27th			'624' 813 5 81589 69992 42717 83203 84124
6th/13th	0900/10	12952/13565	'167' 423 5 88397 44942 80383 32484 36344
20th/27th			'167' 829 5 46148 99238 42800 45590 52413
6th/13th	0930/40	9255/10325	'314' 502 6 33365 41185 80383 32484 36344 36228
20th/27th			'314' 205 6 35532 89685 37339 81247 42120 34426
6th/13th	1200/10	13145/14535	'425' 873 6 73922 36149 03748 72834 01185 73802
20th/27th			'425' 813 6 43686 41225 40696 81942 34293 43952

Friday

7th/14th	0600/10	7845/9125	'196' 428 5 37453 44856 84363 33046 36126
21st/28th			'196' NRH
7th/14th	0930/40	10290/9655	'516' 823 7 29984 84654 16043 41338 92372 20184 92089
21st/28th			'516' 293 7 85602 30229 38251 81818 81788 36784 43305

Saturday

1st	1200/10	12460/10250	'254' 901 6 38783 19163 49945 39845 35007 33276
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Thanks to RNGB, Hans JS, Malc (M8), JkC, Ed Smith (and anyone I forgot)

S11a log

July/Aug

4870kHz	1955z	01/07 [371/36 05438 60739 45520 99900 81509 81734 97027 85505 71215.....65815 57828]	RNGB	WED
	1955z	03/07 [371/36 05438.....etc] Repeat of Wednesday	RNGB	FRI
	1955z	15/07 [371/00]	Malc	WED
	1955z	22/07 [371/00] S9	Malc, JkC	WED
	1955z	29/07 [371/00]	RNGB	WED
	1955z	31/07 [371/00]	RNGB	FRI
	1955z	05/08 [371/00] KOHEЦ 1958z S9	Malc	WED
	1955z	07/08 [371/00]	RNGB	FRI
	1955z	12/08 [371/00] Good	RNGB	WED
	1955z	26/08 [372/36 52779 55050 42788 42442 25181 00232 07974 48307.....68070 94725]	JkC, Malc	WED
	1955z	28/08 [372/36 52779.....etc] Repeat of Wednesday	Thomas	FRI
5149kHz	0455z	07/07 [320/30 08130 01883 94734 22756 47064 81615 78096 74591 71476..... 51838 44223]	Ed Smith	TUE
	0455z	14/07 [321/00]	Ed Smith	TUE
	0455z	28/07 [321/00] KOHEЦ 0458z	Ed Smith	TUE
	0455z	04/08 [320/31 ВНИМАНИЕ 14079 94509 96651 39316 43150..... 13408 14351 KOHEЦ] 0506z	Ed Smith	TUE
	0455z	14/08 [321/00] KOHEЦ 0458z Strong QRM1 QSB1	JkC	FRI
	0455z	18/08 [321/00]	Ed Smith	TUE
8530kHz	0915z	07/07 [484/00] Weak	RNGB	TUE
	0915z	14/07 [483/30 16268 81728 36293 89379 13767 11240.....etc]	RNGB	TUE
	0915z	17/07 [483/30 16268.....etc] Repeat of Tuesday	Malc, Ed Smith	FRI
	0915z	31/07 [484/00] KOHEЦ 0918z	Ed Smith	FRI
	0915z	04/08 [484/00]	RNGB	TUE
	0915z	07/08 [484/00] S2	Malc	FRI
	0915z	11/08 [484/00]	Malc	TUE
	0915z	14/08 [484/00]	Malc, Ed Smith	FRI
	0915z	18/08 [485/33 39217 21361 31251 73130 27581 22327 12452 63195..... 81076 86050] 0925z	Ed Smith	TUE
	0915z	25/08 [484/00]	Malc	TUE
	0915z	28/08 [484/00]	Malc	FRI

11581kHz	1020z	07/07 [420/37 20064 06157 82110 77939 03517 43050 63698 70606.....190412 32522]	Weak	RNGB	TUE
	1020z	14/07 [426/00] S2		Malc	TUE
	1020z	17/07 [426/00] S6		Malc	FRI
	1020z	28/07 [426/00] Fair		RNGB	TUE
	1020z	31/07 [426/00] КОНЕЦ 1023z		Ed Smith	FRI
	1020z	04/08 [426/00] Weak		RNGB	TUE
	1020z	07/08 [426/00]		Malc	FRI
	1020z	18/08 [426/00]		Ed Smith	TUE
	1020z	25/08 [420/34 ВНИМАНИЕ 19762 85743 31755 52673 87886 21530..... 18450 96745]		JkC, Ed Smith	TUE
16530kHz	1015z	09/07 [478/34 53197 01948 10104 69284 87737 44205 75102 00266.....21143 42517]		RNGB	THU
	1015z	13/07 [475/00]		Malc	MON
	1015z	16/07 [475/00] S3		Malc	THU
	1015z	23/07 [475/00] S3		Malc	THU
	1015z	30/07 [475/00] КОНЕЦ 1018z S4		Malc	THU
	1015z	06/08 [475/00] Very weak		RNGB	THU
	1015z	10/08 [475/00]		Malc	MON
	1015z	17/08 [476/37 83775 82400 84010 46462 23307 47741 04175.....18391 65280] 1025z S4		JkC, Malc	MON
	1015z	31/08 [475/00] КОНЕЦ 1018z S2		Malc	MON

S32

S32 7009,0kHz 1425z 18.06.15 [Alpha 45 Alpha 45 59 40 88 KRE ScE NIE 50 85 65 78 59 40 88 KREScENIE 50 85 75 78 Alpha 45 Alpha 45 59 40 88 KRE ScE NIE 50 85 65 78 59 40 88 KREScENIE 50 85 75 78 Priyom] 1427z QSA3 QRM1 QRN2 QSB2
Alpha 45 Alpha 45 59 498 РЕЩЕНИЕ 15 85 75 78

S32 7009,0kHz 1528z 18.06.15 [... GI PO TI RIN 39 46 44 08 52 983 GIPOTIRIN 39 46 44 08 Alpha 45 Alpha 45 52 983 GI PO TI RIN 39 46 44 08 52 983 GIPOTIRIN 39 46 44 08 Priyom] 1530z QSA4 QRM1 QRN2 QSB2
Alpha 45 Alpha 45 52 983 ИПОТИРИН 39 46 44 08

S32 7009,0kHz 1459z 18.06.15 [Alpha 45 Alpha 45 ROBSchATOSchTSn 01 32 ROBSchATOSchTSn 01 32 Alpha 45 Alpha 45 ROBSchATOSchTSn 01 32 ROBSchATOSchTSn 01 32 Priyom] 1501z QSA4 QRM1 QRN2 QSB2
Alpha 45 Alpha 45 01 32 РУБЧАТОСТЬ 01 32

S32 7009,0kHz 1700z 18.06.15 [Alpha 45 Alpha 45 PLA SchDINN Jelk 83 14 PLASchDINNJelk 83 14 Alpha 45 Alpha 45 PLA SchDINN Jelk 83 14 PLASchDINNJelk 83 14 Priyom] 1702z QSA5 QRM1 QRN1 QSB2

Alpha 45 Alpha 45 83 14 ЛАСТИННЫЙ 83 14

Can hear the Pip in the background!

S32 7009,0kHz 1810z 18.06.15 [Alpha 45 Alpha 45 25 80 36 ILI SchA TELSn 43 78 01 56 25 80 36 ILISchATELSn 43 78 01 56 Alpha 45 Alpha 45 25 80 36 ILI SchA TELSn 43 78 01 56 25 80 36 ILISchATELSn 43 78 01 56 Priyom] 1512z QSA5 QRM1 QRN1 QSB2
Alpha 45 Alpha 45 25 836 СЛИЧАТЕЛЬ 43 78 01 56

S32 7009,0kHz 1544z 30.07.15
[Alpha 45 Alpha 45 04 28 Gradinka 55 75 32 78 04 28 GRADINKA 55 75 32 78 Priyom]
1546z QSA3 QRM1 QRN1 QSB2 ZBZ4 Schorschi THU

S32 7009,0kHz 1611z 30.07.15
[Alpha 45 Alpha 45 27 116 Banannik 36 87 26 00 27 116 BANANNIK 36 87 26 00
Alpha 45 Alpha 45 27 116 Banannik 36 87 26 00 27 116 BANANNIK 36 87 26 00
Priyom]
1613z QSA3 QRM1 QRN1 QSB2 ZBZ4 Schorschi THU

S32 7009,0kHz 1744z 30.07.15
[Dlja Topa 32 Topa 32 162 162 Nefka 26 Nefka 26 Karta 11 Karta 11 Podjor 94 Podjor 94 Kampoi 39 Kampoi 39 Dlja Topa 32 Topa 32 162 162 Nefka 26 Nefka 26 Karta 11 Karta 11 Podjor 94 Podjor 94 Kampoi 39 Kampoi 39 Kak Sluschna? Kak Sluschna? Priyom]
1747z QSA5 QRM1 QRN1 QSB2 ZBZ5 Schorschi THU

V02a

Put in two appearances, both were in the 2000z time slot and both transmitted in CW/LSB mode.
The one on 20/8 was particularly brief.

7554kHz 2000z 13/8 [A52131 74761 87182] 53131 R5 then 12837 81453 02313 13485 78634 27016 00466 28628 04261 24002 52142 57857 35040
82670 61237 87168 41673 68864 84083 1557305267 05025 6851873534 32653 58121 77255 58262 13240 80803 03672 36288 20668 24663 14404 ---- ----
?3755 84888 27866 76242 24481 50746 08317 24015 32323 21231 52204 70700...My recording ends. THU

7554kHz 2000z 20/8 [A55162 68482 71721] then switches to M08a 81811 04232 16561 THU

July 2015

August 2015

V13

V21

V21 5637kHz 1300z 1/7 Present but too weak to copy WED
V21 5637kHz 1300z 6/7 Present but too weak to copy MON
V21 6529kHz 1245z 6/7 [90, 90 (skips 31-40), 90, 100, too weak to copy after 60, counts to 99 but then says 80 instead of 100, 100, 50, 90, 30 then too weak to copy, 40 END] MON
V21 5637kHz 1300z 7/7 Present but too weak to copy TUE
V21 6529kHz 1300z 7/7 Present but too weak to copy TUE
V21 6529kHz 1300z 9/7 Present but too weak to copy THU
V21 5637kHz 1300z 10/7 Present but too weak to copy FRI
V21 6529kHz 1245z 10/7 Present but too weak to copy FRI
V21 6529kHz 1250z 12/7 Present but too weak to copy SUN
V21 6529kHz 1300z 13/7 very weak, one count to 30 heard. MON
V21 6529kHz 1300z 13/7 [In progress 32, 32, 32, 22, 22, 22, 22 END] MON
V21 5637kHz 1300z 14/7 [In prgress] TUE
V21 6529kHz 1300z 14/7 [In progress] TUE
V21 5637kHz 1300z 15/7 [Repeated counts to 22] WED
V21 6529kHz 1300z 15/7 [One count to 40 heard] WED
V21 6529kHz 1300z 16/7 Too weak to copy. THU
V21 6529kHz 1300z 19/7 [?, 30, 40 END] SUN
V21 5637kHz 1300z 20/7 [32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 22 END] MON
V21 6529kHz 1302z 21/7 ...40, 30, 50, 60, 40, 40, 50, 20, 40, 20, 40, 50, 60, 50, 90, 50, 10 END] TUE
V21 6529kHz 1300z 27/7 [In progress 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40).....] MON
V21 5637kHz 1300z 27/7 [In progress, 22, 22, 22, 10, 52, ??, 122....] MON
V21 5637kHz 1300z 31/7 [42, 46, 27, 32, 49, 37, 49, 49, 2, 20, 1, 30, 37, 49, 23 (returns to 22 counting to 32), 38, 49, 49, 16, 49, 42, 46, 22, 22, 26, 49, 26, 49, 42, 43 END] FRI
V21 6529kHz 1300z 1/8 Present but too weak to copy
V21 6529kHz 1300z 2/8 [40, 20, 50, 60, becomes too weak to copy but continues for approximately 30 minutes] SUN
V21 5637kHz 1300z 3/8 [49, 22, 16, 28, (starts at 40 counting to 42), 15, 8, 14, 36, 22, 15, 41, 49 (repeats 49), 26, 32, 5, 32, 32 (possibly children in the background), 28 (laughs then continues to 36), 49, 32, 38, 16, 8, 16, 5, END] MON
V21 6529kHz 1300z 3/8 [30, 20, 70 END] MON
V21 5637kHz 1300z 3/8 [32, 22] MON
V21 5637kHz 1300z 7/8 [4, 36, 47 END] FRI
V21 6529kHz 1300z 7/8 [10, 40, 10, 20, 10, 20, 20, 40 (repeats 31-40), 10, 20, 100, (counts 71-80 twice), 50, 30, 70, 50, 50, 80, 40, 60, 30, 40, 30, 50, 50, 10, 30, 30, 40, 40, 40, 30, 40, 40, 40, 40, 40, 40, 40, 40, 60, 50, 40, 20 END] FRI
V21 6529kHz 1300z 8/8 [30, 10, 20, 30, 40, 10, 30, 10, 10, 30, 40, 50, 10, 30, 10, 20 END] SAT
V21 6529kHz 1300z 9/8 [40, 50, 40, 40, 40, 60, 50, 20 END] MON
V21 5637kHz 1300z 10/8 [102, 102, 72, 42, 82, 42, 15, ??, 82...continued for an unknown length of time.] Pauses at every number ending with 2 starting at 22, starts counting by repeating the number that ended with 2. TUE

V21 6529kHz 1300z 10/8 [40, 40, 40, 40, 40, 30, 40, 30, 30, 40, 30, 40 END] TUE
V21 5637kHz 1309z 12/8 [in progress, 49, 42 (repeats 42), 46, 26, 22, 42, 19, 42, 36, 22, 16, 46, 26, 16, 2, 16 END] WED
V21 6529kHz 1300z 12/8 [60, 60, 60, 50, 60, 60, 30...continues for unknown amount of time] WED
V21 5637kHz 1300z 13/8 [32.....continues for 12 minutes] THU
V21 6529kHz 1300z 13/8 [60, 60, 60, 50, 60, 30, 60, 60, 40, 40, 40, 30, 30, 40.....continues] THU
V21 5637kHz 1300z 15/8 [46, 62, 62, 62, 3, 1, 52, 22, 26, 22, 46,] SAT
V21 6529kHz 1312z 15/8 [in progress, 30, 40, 40, 50, 40, 40, 40, 40, 40, 40, 20, 40, 40, 60, 40, 60, 40, 40, 50, 50, 50, 40, 40, 50, 20, 60, 40, 60, (28.20), 80, 40, 50, 40, 60, 20, 60, 60, 60, 60] SAT
V21 5637kHz 1300z 25/8 [Strings of numbers "30 30 224 497 11 00 05", "30, 30 234 479 11 00 08", "30 30 434 476 11 00 11"] The strings seem to be tracking coordinates for example 30 (Track ID repeated twice), 224, 497 (Coordinates) 11 00 (Unknown), 05 (Minute time stamp) TUE
V21 5637kHz 1300z 29/8 [In progress, 50, 50, 22, 25, 60, 50, 22, 50, 50, 22, 22, 22, 50, 50, 50, 42, 50, 22, 50, 50, 50, 50, 22, 48, 60, 50, 22, 50, 50....Transmission continues] SAT

V24

T writes:

The last V24 transmission I received was on June 16, 2015. I have continued to search and record spectrum, in the hopes V24 is only taking a little rest or has changed all of its frequencies at once, but it is beginning to look like V24 has gone the way of its sibling, M94, back in November of 2013.

For reference, V24 has missed days, even a week or two, of operation in the past. It has also changed frequencies before. However, it has never missed 5+ weeks or changed all of its frequencies at one time, so I suspect V24 is inactive for some reason. Will it come back remains to be seen.

It might be worth noting, there had been some recent audio and transmission anomalies. Cross talk heard in the audio had become more common, both jammer audio and Echo of Hope audio in the background of V24 had been a regular feature before my last reception. Some signal amplitude steps and changes were hard to blame on propagation. So I suppose it is possible they are revamping the systems, or have / are moving to new facilities.

Time will tell.

V24 Logs for June, 2015:

V24, 5715 kHz, 1330z, June 05 2015, Token, Fri
V24, 6310 kHz, 1430z, June 05 2015, Token, Fri

V24, 6215 kHz, 1330z, June 06 2015, Token, Sat
V24, 6310 kHz, 1430z, June 06 2015, Token, Sat

V24, 4900 kHz, 1500z, June 08 2015, Token, Mon

V24, 4900 kHz, 1500z, June 09 2015, Token, Tue

V24, 5715 kHz, 1330z, June 10 2015, Token, Wed

V24, 6215 kHz, 1330z, June 11 2015, Token, Thur
V24, 4900 kHz, 1500z, June 11 2015, Token, Thur

V24, 5715 kHz, 1330z, June 15 2015, Token, Mon
V24, 6310 kHz, 1430z, June 15 2015, Token, Mon

V24, 6215 kHz, 1330z, June 16 2015, Token, Tue
V24, 6310 kHz, 1430z, June 16 2015, Token, Tue

Listening from Bangkok on known freqs produced no V24

POLYTONES

XPA c

Wednesday/Saturday

July 2015

0600z	11409kHz	0620z	13509kHz	0640z	14609kHz	
01/07	456 000 03834 00001 00000 10140					Extremely strong
04/07	456 000 08700 00001 00000 10140					Very strong
07/07	456 1 07859 00189 59905 20317			[0640z Fair and noisy]		Very strong
11/07	456 1 07859 00189 59905 20317					Strong, QRN2, QSB3
15/07	456 000 03942 00001 00000 10140					Very strong
18/07	456 000 06292 00001 00000 10140					Strong
22/07	456 1 03092 00147 95374 20163					Fair
25/07	456 000 07704 00001 00000 10140					Very strong
28/07	456 000 06328 00001 00000 10140					Extremely strong

August 2015

0600z	10868kHz	0620z	12168kHz	0640z	13368kHz	
01/08	813 000 06953 00001 00000 10140					Strong
05/08	813 1 07665 00101 96207 61036					Strong
08/08	813 1 07665 00101 96207 61036					Strong
19/08	813 1 05802 00093 46209 14712					Strong
22/08	813 1 05802 00093 46209 14712					Strong
26/08	813 1 00158 00117 47974 03443					Extremely strong
29/08	813 000 02098 00001 00000 10140					Strong

XPA e

Tuesday/Thursday

July 2015

1730z	10943kHz	1750z	10243kHz	1810z	9243kHz	
02/07	922 000 08780 00001 00000 10140					Very strong
07/07	922 1 02442 00221 94092 33225			[1730z under QRN5]		Fair/Strong
09/07	922 1 02442 00221 94092 33225			[1730/1750z under QRN5]		Fair/Strong
14/07	922 1 03959 00183 26875 02547					Fair, QRM3
16/07	922 1 03959 00183 26875 02547					Fair, QRM3
21/07	922 000 08340 00001 00000 10140					Strong
23/07	922 000 08702 00001 00000 10140					Weak and noisy
28/07	922 1 00392 00209 98697 42305			[1730/1745 Weak u/s]		Fair

August 2015

1730z	12187kHz	1750z	10787kHz	1810z	9387kHz	
04/08	173 000 04225 00001 00000 10140			[1810z Swamped by str Tx]		Strong
11/08	173 000 09569 00001 00000 10140					Fair
13/08	173 000 07583 00001 00000 10140					Fair
18/08	Missed					
20/08	173 000 09469 00001 00000 10140					Fair

25/08	173 1 09483 00185 06325 37045	Fair, noisy
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27/08	173 1 09453 00185 06325 37045	Fair
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XPA2 m

Sunday/Tuesday

July 2015

2100z	14538kHz	2120z	13538kHz	2140z	12138kHz	
05/07	06518 00119 80720 50330					Very strong
07/07	06518 00119 80720 50330					Extremely strong
12/07	05330 00001 00000 10140					Strong
14/07	07847 00001 00000 10140					Extremely strong
21/07	03470 00081 71733 74606					Very strong
26/07	05673 00001 00000 10140			[2100z weak]		Extremely strong
28/07	05923 00001 00000 10140					Extremely strong

August 2015

2000z	14738kHz	2020z	13438kHz	2040z	12138kHz	
02/08	09898 00001 00000 10140					Strong
04/08	07173 00069 38632 52202					Very strong
09/08	07173 00069 38632 52202					Very strong
19/08	06643 00001 00000 10140					Strong
23/08	03961 00109 17301 63114			[2000/2020z Weak, QSB3]		Very strong
25/08	05599 00001 00000 10140					Extremely strong
30/08	03388 00001 00000 10140					Very strong

XPA2 p

Tuesday/Thursday

July 2015

1900z	15884kHz	1920z	14984kHz	1940z	14384kHz	
02/07	01747 00001 00000 10140					Strong
07/07	00699 00075 70308 57605					Extremely strong
09/07	00699 00075 70308 57605					Extremely strong
14/07	07740 00001 00000 10140					Extremely strong
16/07	05300 00001 00000 10140					Extremely strong
19/07	03470 00081 71733 74606					Extremely strong
21/07	01062 00117 54503 45153					Extremely strong
23/07	01062 00117 54503 45153					Extremely strong
28/07	03571 00105 25029 56707					Extremely strong
30/07	03571 00105 25029 56707					Very strong

August 2015

1900z	16314kHz	1920z	15814kHz	1940z	14514kHz	
04/08	09927 00001 00000 10104					Extremely strong
11/08	01659 00001 00000 10104					Strong
13/08	04678 00001 00000 10104					Strong

21/08	08548 00001 00000 10104	Strong
25/08	03732 00001 00000 10140	Extremely strong
27/08	All sendings too weak for use.	

XPA2 r

Friday/Saturday

July 2015

2100z	15967kHz	2120z	13884kHz	2140z	12217kHz	
03/07	04631 00085 21032 17730					Strong
04/07	04631 00085 21032 17730					Extremely strong
10/07	08425 00001 00000 10140					Extremely strong
11/07	01294 00001 00000 10140					Very strong, QRN4
17/07	09131 00173 56081 57342					Strong
18/07	09131 00173 56081 57342					Extremely strong
24/07	02719 00111 44064 22035					Extremely strong
25/07	03371 00001 00000 10140			[2100z weak]		Extremely strong
31/07	07244 00001 00000 10140					Strong

August 2015

1900z	16167kHz	1920z	14663kHz	1940z	13923kHz	
07/08	03350 00001 00000 10140					Extremely strong
08/08	02401 00001 00000 10140			[1900z Weak and noisy]		Extremely strong
14/08						
15/08						
21/08	06094 00001 00000 10140					Very strong
22/08	03619 00001 00000 10140			[1920z Heavily distorted by tty]		Extremely strong
28/08	NRH			[Propagational disturbance]		
29/08	01714 00001 00000 10140			[Propagational disturbances]		Weak

HM01

HM01 continues to operate on the same schedules as in previous months with the last digit of the callups generally incrementing upwards with the 1600z broadcast each day except in the case of new callups which remain end in 1 for two days. A few events of interest were noted during the past two months and these are described below.

At 1600z July 4th two simultaneous recording were heard on the same frequency slightly out of sync following this the callups remained the same until 22/7 at which point the last digits incremented +1 as if there hadn't been an 18 day pause in the proceedings. The recordings during this time period all had what sounded like an echo during the voice portion, perhaps two recordings running in very close synchronization.

On 10/7 at 1600z Radio Havana Cuba was mixed in with the HM01 until replaced by a second HM01 feed.

On 14/7 two HM01s plus RHC were heard at the same time.

On 2/8 the recording started as normal just before 1600z but contained the previous day's callups, the recording was eventually stopped and replaced with one giving the correct numbers. The same thing happened on the 9th, 10th, 12th, 13th, 14th, 16th, 17th, 18th, 20th, 23rd, 25th, 29th and 30th!

New operator or new procedures perhaps.

On 18/8 a Spanish broadcast was started at 1600z before switching to HM01.

On 26/8 at 2100z callup 2 changed to one ending in a 0, this callup incremented to a last digit of 1 the following day.

As usual several files with F1C and F1G extensions were sent including, 50743725.F1C, 50048725.F1C, 50103524.F1C, 36318384.F1G, 36318384.F1G, 50111307.F1C, 50148780.F1C, 36378677.F1G and 36187852.F1G. As with previous observations, file names with F1C extensions always begin with 50 and those with F1G extensions begin 36.

One final item of note, all of the files transmitted apparently contain random hex values encoding the numbers 0 to 255. Towards the end of August two files were transmitted whose contents ended end with 0 0 0, Apart from this the file contents are unremarkable. The files in question were in August, 67871405.TXT and 88126264.TXT.

Logs:

HM01 11435kHz 1600z 1/7 [44337 04437 45851 82608 28164 82653] WED
HM01 11435kHz 1600z 2/7 [44338 37251 45852 82609 28165 82654] New callup position 2, 37251 = 50743725.F1C. THU
HM01 11435kHz 1600z 3/7 [44339 37251 45853 87251 28166 82655] New callup position 4, 87251 = 50048725.F1C. FRI
HM01 11435kHz 1600z 4/7 [44339 37251 45853 87251 28166 82655] Same numbers as Friday, slight echo as if two copies of the recording are playing slightly out of sequence. SAT
HM01 11435kHz 1600z 5/7 [44339 37251 45853 87251 28166 82655] Same numbers as last two days. SUN
HM01 11435kHz 1600z 6/7 [44339 37251 45853 87251 28166 82655] Same numbers again today. MON
HM01 11435kHz 1600z 7/7 [44339 37251 45853 87251 28166 82655] Same numbers again today. TUE
HM01 11435kHz 1600z 8/7 [44339 37251 45853 87251 28166 82655] WED
HM01 11435kHz 1600z 9/7 [44339 37251 45853 87251 28166 82655] THU
HM01 9065kHz 0800z 10/7 [44339 37251 45853 87251 28166 82655] Voice station RHC?) mixed in with the HMO1 TX, Voice turned off and a second HM01 feed out of sync with the other took its place!..WED
HM01 11435kHz 1600z 10/7 [44339 37251 45853 87251 28166 82655] FRI
HM01 11435kHz 1600z 11/7 [44339 37251 45853 87251 28166 82655] SAT
HM01 11435kHz 1600z 12/7 [44339 37251 45853 87251 28166 82655] SUN
HM01 11435kHz 1600z 13/7 [44339 37251 45853 87251 28166 82655] MON
HM01 11435kHz 1600z 14/7 [44339 37251 45853 87251 28166 82655] 2 X HM01 plus Radio Havana Cuba all mixing together. TUE
HM01 11435kHz 1600z 15/7 [44339 37251 45853 87251 28166 82655] WED
HM01 11435kHz 1600z 16/7 [44339 37251 45853 87251 28166 82655] THU
HM01 11435kHz 1600z 17/7 [44339 37251 45853 87251 28166 82655] FRI
HM01 11435kHz 1600z 18/7 [44339 37251 45853 87251 28166 82655] SAT
HM01 11435kHz 1600z 19/7 [44339 37251 45853 87251 28166 82655] SUN
HM01 11435kHz 1600z 20/7 [44339 37251 45853 87251 28166 82655] MON
HM01 11435kHz 1600z 21/7 [44339 37251 45853 87251 28166 82655] TUE
HM01 11435kHz 1600z 22/7 [74611 37252 45854 87251 28167 82656] New callup position 1, 74611 = 80467461.TXT. After 20 days of the same numbers, picks back up as if nothing had happened. WED
HM01 11435kHz 1600z 23/7 [74611 37253 45855 87252 28168 82657] THU
HM01 11435kHz 1600z 24/7 [74612 37254 45856 87253 28169 35241] New callup position 6, 35241 = 50103524.F1C FRI
HM01 11435kHz 1600z 24/7 [74613 37255 45857 87254 37131 35241] New callup position 5, 37131 = 88673713.TXT SAT
HM01 11435kHz 1600z 25/7 [74614 37256 45858 87255 37131 35242] SUN
HM01 11435kHz 1600z 30/7 [67301 38231 83842 83651 37135 35246] New callups in positions 1,2,3 and 4 since Sunday, 67301 = 48286730.TXT, 38231 = 46623823.TXT, 83842 = 36318384.F1G, 83651 = 42508365.TXT. THU
HM01 11435kHz 1600z 31/7 [67301 38232 83843 83652 37136 35247] FRI
HM01 11435kHz 1600z 1/8 [67302 38233 83844 83653 37137 35248] SAT
HM01 11435kHz 1600z 2/8 [67303 38234 83845 83654 53651 14361] New callups positions 5 and 6 53651 = 36318384.F1G, 14361 = 31741436.TXT Started at 1556 with RDFT then callup 67302 (yesterday's callup) before stopping and restarting with 67303 SUN
HM01 11435kHz 1600z 3/8 [67304 38235 83846 83655 53651 14361] MON
HM01 11635kHz 2100z 3/8 [67304 38235 83846 83655 53651 14361] Two copies of the recording running offset by a few seconds. MON
HM01 11435kHz 1600z 4/8 [67305 38236 83847 83656 53652 14362] TUE
HM01 11435kHz 1600z 5/8 [67306 38237 83848 83657 53653 14363] WED
HM01 11435kHz 1600z 6/8 [67307 38238 83849 83658 53654 14364] THU
HM01 11435kHz 1600z 7/8 [67308 05721 45501 62021 53655 14365] New callups positions 2, 3 and 4, 05721 = 44730572.TXT, 45501 = 62714550.TXT, 62021 = 03366202.TXT. FRI
HM01 11435kHz 1600z 8/8 [67309 05721 45501 62021 53656 14366]
HM01 11435kHz 1600z 9/8 [42801 05722 45502 62022 53657 14367] Starts using yesterday's callups then stops briefly before restarting with the correct callups. New callup position 1, 42801 = 05064280.TXT SUN
HM01 11435kHz 1600z 10/8 [42801 05723 45503 62023 53658 26371] Starts using yesterday's callups then stops briefly before restarting with the correct callups. New callup position 6, 26371 = 51102637.TXT MON
HM01 11435kHz 1600z 11/8 [42802 05724 45504 62024 53659 26371] TUE
HM01 11435kHz 1600z 12/8 [42803 05725 45505 62025 56411 26372] Started with yesterday's callups then switched to the correct numbers. New callup position 5, 56411 = 38785641.TXT. WED
HM01 11435kHz 1600z 13/8 [42804 05726 45506 62026 56411 26373] Again started with yesterday's callups, went into first RDFT transmission before switching. THU
HM01 11435kHz 1600z 14/8 [42805 05727 45507 62027 56412 26374] Started with yesterday's callups then switched to correct ones. Extremely weak today. FRI
HM01 11435kHz 1600z 15/8 [42806 05728 45508 62028 56413 26375] SAT
HM01 11435kHz 1600z 16/8 [42807 05729 23841 62029 56414 26376] Started with yesterday's callups before switching to the correct ones. New callup position 3, 23841 = 34062384.TXT. SUN
HM01 11435kHz 1600z 17/8 [42808 80501 23841 03871 56415 26377] Started with yesterday's callups before switching to the correct ones. New callups positions 2 and 4, 80501 = 22788050.TXT. 03871 = 15030387.TXT. MON
HM01 11435kHz 1600z 18/8 [13071 80501 23842 03871 56416 26378] Started with Spanish broadcast station (RHC?) before switching to HM01. New callup position 1, 13071 = 50111307.F1C. TUE
HM01 11435kHz 1600z 19/8 [13071 80502 23843 03872 56417 26379] WED
HM01 11435kHz 1600z 20/8 [13072 80503 23844 03873 56418 21581] Started with yesterday's callups before switching to the correct ones. New callup position 6, 21581 = 66782158.TXT. THU
HM01 11435kHz 1600z 21/8 [13073 80504 23845 03874 56419 21581]
HM01 11435kHz 1600z 22/8 [13074 80505 23846 03875 62641 21582] New callup position 5, 62641 = 88126264.TXT. SAT
HM01 11435kHz 1600z 23/8 [13075 80506 23847 03876 62641 21583] Started with yesterday's callups before switching to the correct ones. SUN
HM01 11435kHz 1600z 24/8 [13076 80507 87801 03877 62642 21584] New callup position 4, 87801 = 50148780.F1C. MON
HM01 11435kHz 1600z 25/8 [13077 80508 87801 03878 62643 21585] Started with yesterday's callups before switching to the correct ones. TUE
HM01 11435kHz 1600z 26/8 [13078 80509 87802 03879 62644 21586]
HM01 11635kHz 2100z 26/8 [13078 68480 87802 03879 62644 21586] New callup in position 2 since 1600z, 68480 = 74026848.TXT. WED
HM01 11435kHz 1600z 27/8 [13079 68481 87803 48381 62645 21587] New callups position 4, 48381 = 04784838.TXT. THU
HM01 11435kHz 1600z 28/8 [14051 68482 87804 48381 62646 86771] New callups positions 1 and 6, 14051 = 67871405.TXT, 86771 = 36378677.F1G FRI
HM01 11435kHz 1600z 29/8 [14051 68483 87805 48382 62647 86771] Started at 1556 with yesterday's callups before switching to the correct ones. SAT
HM01 11435kHz 1600z 30/8 [14052 68484 87806 48383 62648 86772] Started at 1556 with yesterday's callups before switching to the correct ones. SUN
HM01 11435kHz 1600z 31/8 [14053 68485 87807 48384 78521 86773] New callup position 5, 78521 = 36187852.F1G. MON

Others' Logs:

Daily

July 2015

10715kHz2230z	29/06 (44335 04435 27038 82606 28162 82651) QSA2		DanAR Mon
2230z	07/07 (44339 37251 45853 87251 28166 82655) QSA2		DanAR Tue
2230z	08/07 (44339 37251 45853 87251 28166 82655) QSA3		DanAR Wed
2230z	10/07 (44339 37251 45853 87251 28166 82655) QSA2		DanAR Fri
2230z	13/07 (44339 37251 45853 87251 28166 82655) QSA1		DanAR Mon
2230z	19/07 (44339 37251 45853 87251 28166 82655) QSA2		DanAR Sun
2230z	31/07 (67301 38232 83843 83652 37136 35247) QSA2		DanAR Fri
16180kHz2130z	30/07 (67301 38231 83842 83651 37135 35246) QSA3		DanAR Thu
17480kHz2200z	14/07 (44339 37251 45853 87251 28166 82655) QSA2	-audio mixed-	DanAR Tue
2200z	21/07 (44339 37251 45853 87251 28166 82655) QSA2		DanAR Tue
2200z	23/07 (7777 37253 45855 87251 28168 82657) QSA3		DanAR Thu
2230z	25/07 (74613 37255 45857 87254 37131 35241) QSA4		DanAR Sat

August 2015

10715kHz2230z	03/08[67304 38235 83846 83655 53651 14361] QSA1		DanAR	MON
2200z	31/08[14053 68485 87807 48384 78521 86773] QSA3		DanAR	MON
17480kHz2230z	01/08[67302 38233 83844 83653 37137 35248] QSA2		DanAR	SAT
2230z	04/08[67305 38236 83847 83656 53652 14362] QSA2		DanAR	TUE
2230z	13/08[42804 05726 45506 62026 56411 26373] QSA2		DanAR	THU

Comment from PoSW in Great Britain:

Somewhat mediocre signals from the Cuban mixed-mode station this summer, there has not been the improvement in reception noted from May onwards as was the case in the past couple of years, when signals did improve it was only for a few days before reverting to the “down in the noise” situation again.

3-July-15, Friday:- 0627 UTC, 10,345 kHz, starting up again after the break, “44338 37251 45852 82609 28165 82654”, S9 carrier but audio low in relation to carrier strength. Data at 0630:23s UTC.

0657 UTC, 9,330 kHz, starting about three minutes before the hour, 5Fs as earlier, S9 with the usual deep fading and low audio.

4-July-15, Saturday:- 0758 UTC, 11,635 kHz, call-up in progress when tuned in, “44339 37251 45853 87251 28166 82655”. S6 to S7, the audio much better than of late.

5-July-15, Sunday:- 0657 UTC, 9,330 kHz, “44339 37251 45853 87251 28166 82655”, S9 but low audio again.

7-July-15, Tuesday:- 0627 UTC, 14,375 kHz, “44339 37251 45853 87251 28166 82655”, S7 to S8, reasonable audio. No change in 5Fs since Sunday, if I heard them correctly.

9-July-15, Thursday:- 0657 UTC, 13,435 kHz, “44339 37251 45853 87251 28166 82655”, 5Fs unchanged, S7 to S8.

10 July-15, Friday:- 0657 UTC, 9,330 kHz, “44339 37251 45853 87251 28166 82655”, S9 with deep QSB, a distinct echo effect on the speech. Data at 0700:7s UTC.

11-July-15, Saturday:- 0657 UTC, 13,435 kHz, “44339 37251 45853 87251 28166 86655”, S8 with QSB and that “echo” effect again. 0757 UTC, starting up on 13,435 kHz again, should be on 11,635. Vanished just after 0758 UTC, very weak signal of some kind on 11,635 kHz when checked a few minutes later.

15-July-15, Wednesday:- 0736 UTC, 9,330 kHz, transmission in progress, very weak signal, unreadable.

17-July-15, Friday:- 0757 UTC, 9,065 kHz, “44339 37251 45853 87251 28166 82655”, same 5F groups for well over a week if I heard them correctly. Low audio, difficult copy at times.

18-July-15, Saturday:- 0657 UTC, 13,435 kHz, weak signal, deep QSB, sounded like the same 5Fs as for most of this month so far.

20-July-15, Monday:- 0706 UTC, 9,330 kHz, transmission in progress, S8 with deep fading and a distinct “echo” effect on the speech. Heard 5Fs “44339 37251 46853 87251 28166 82655”, so no change there.

22-July-15, Wednesday:- 0757 UTC, 9,065 kHz, “44339 37251 45853 87251 28166 82655”, also with an echo on the voice, data noise started about four second before the hour.

23-July-15, Thursday:- 0700 UTC, 13,435 kHz, very weak signal, could just tell it was HM01, interference from the rapidly sweeping carrier which inhabits this part of the short-wave spectrum.

27-July-15, Monday:- 0727 UTC, 9,330 kHz, “74614 37256 45858 87255 37131 35242”, the 5F groups have changed since the last time I had a usable signal from HM01. 0757 UTC, 9,330 kHz, starting up on the wrong frequency, should have done a QSY to 9,065. Much weaker signal than half an hour earlier, data started on the hour, vanished after 0801 UTC, came back for a few seconds then went off and came up on the correct frequency, 9,065 kHz, very weak signal.

28-July-15, Tuesday:- 0736 UTC, 13,435 kHz, transmission in progress, S5 to S6 with audio somewhat better than of late. Heard 5Fs "74615 37257 45859 87256 37132 35243". Signal became weaker after a few minutes and was sinking into the noise by 0748 UTC.

31-July-15, Friday:- 0627 UTC, 10,345 kHz, "67301 38231 83842 83651 37135 35246", peaking S9 with rapid QSB and reasonable audio.

3-Aug-15, Monday:- 0626 and 30s UTC, 10,345 kHz, "67303 38234 83845 83654 53651 14361", over S9, good audio.
0657 UTC, 9,330 kHz, 5Fs as earlier.

4-Aug-15, Tuesday:- 0744 UTC, 13,435 kHz, getting towards the end of a transmission, heard 5Fs "67304 38235 83846 83655 53651 14361", S9 signal.
0757 UTC, 11,635 kHz, starting up, much weaker than when on 13,435 a few minutes earlier, well down in the noise.
2127 UTC, 16,180 kHz, starting up after the break, unusual to receive a usable signal from these late evening transmissions, "67305 38236 83847 83656 53652 14362". S6 with good audio, 16,180 is high enough in frequency to be clear of the worst of the locally generated RF hash interference.

5-Aug-15, Wednesday:- 0627 UTC, 10,345 kHz, "67305 38236 83847 83656 53652 14362", over S9.

6-Aug-15, Thursday:- 0657 UTC, 13,435 kHz, "67306 38237 83848 83657 53653 14363", up to S9 with good audio.
0757 UTC, 11,635 kHz, starting up, weak signal sinking into the noise, propagation appears to worsen as the sun gets higher in the sky.

7-Aug-15, Friday:- 0609 UTC, 10,345 kHz, transmission in progress, peaking S9, heard 5Fs, "67307 38238 83849 83658 53654 14364".

11-Aug-15, Tuesday:- 0658 UTC, 14,375 kHz, wrong frequency, should be on 13,435 at this time, weak signal difficult copy. Was still on at 0705UTC but had moved when checked again five minutes later:-
0710 UTC, 13,435 kHz, now on the correct frequency and started the call-up routine again, weak signal, sounded like, "42801 05723 45503 62023 53658 26371", all "query".
Data noises started at 0712:45s UTC.

14-Aug-15, Friday:- 0659:30s UTC, only half a minute before the hour this morning, 9,330 kHz, "42804 05726 45506 62026 56411 26373".

18-Aug-15, Tuesday:- 0700 UTC, 13,435 kHz, very weak signal of some kind, this is usually one of the better received HM01 transmissions, unreadable.

23-Aug-15, Sunday:- 0630 UTC, 10,345 kHz, "13074 80505 23846 03875 62641 21582", data at 0632:40s UTC, up to S9.

Digital, Incursions and Unexplained Signals

I'm afraid that the end of August 2015 sees the last time that my Google online spreadsheets giving information about the FSK200/500 and FSK200/1000 modes will be updated.

These spreadsheets are ..

<https://docs.google.com/spreadsheets/d/13bneqizY-KBvCjxe8s0AUeXAgAwo9aDAQT7SXNcpuew/edit?usp=sharing>

Which gives a day by day list of known FSK200/500 and FSK200/1000 schedules.

<https://docs.google.com/spreadsheets/d/1UXsnFRpmFunqITueBKDDTagezYWb3qvp2DHktAR7I08/edit?usp=sharing>

Which lists known FSK200/500 and FSK200/1000 frequencies going back to January 2012. Also finally ..

<https://docs.google.com/spreadsheets/d/1ctcAthXKg3rmKmNJcvHBV5kOHtk5cXBALuw6zGpu5c/edit?usp=sharing>

Which lists the externals (link identifier , message number , date size etc) of FSK200/1000 messages going back to April 2013.

I will be leaving all of this data online so if anyone wants to analyze it for a future NL article they are more than welcome.

I would like to have carried on with these spreadsheets as I'm a firm believer that we need more data gathered from monitoring the stations which interest E2K members if we are going to come even close to working out what their purpose is. However gathering this data either by monitoring myself or by using the logs kindly sent by other E2K members was starting to eat up the already limited amount of spare time I have. So with great regret I have decided now is the time to call an end to it.

So what have we learned from nearly three years of FSK200/500 and FSK200/1000 monitoring ..

- FSK200/1000 is a one way message systems. What I mean by this is that the recipient of the message appears unable to transmit back the message has been received. We know this as some schedules have transmitted the same message for over a month. I believe this makes it unlikely FSK200/1000 supports diplomatic users (who send an indication that a message has been received) but is instead used by a type of user more of interest to the E2K membership.
- We now understand the basics of the FSK200/1000 data protocol and can extract vital externals from the 1st block in a message (address indicator , message number , date etc etc).

Now somethings I'm not so sure about ..

- I believe that FSK200/500 and FSK200/1000 have totally different purposes. FSK200/1000 has its regular schedules and externals we understand. While FSK200/500 has schedules it is highly unusual they send actual traffic (once a year usually for the Saturday 12:00/10/20 schedule and that has the feel of a back up link being tested). The majority of FSK200/500 messages have been stumbled upon by E2K members and appear sent

almost at random. None of the externals we can extract from FSK200/1000 messages are present in FSK200/500 messages which appear to have a very different format.

- FSK200/500 probably dates from the 1980's (as a 200 baud transmission indicates a computerised setup rather than a mechanical one). While FSK200/1000 with its crude interleaving of the message blocks (characters are sent in blocks of 4 bits separated by 8 bits) feels to me like something dating from the early to mid 1990s.

Next what don't we know about these modes ..

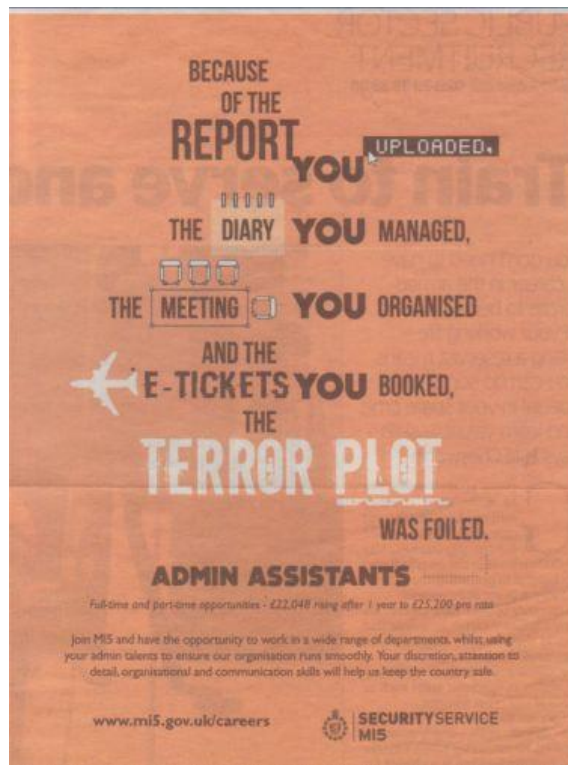
- Both of these modes have built in error detection and correction but we just don't understand it. What I mean is that there is data in each block of a FSK200/1000 transmission and each line of a FSK200/500 message which acts as a checksum allowing the recipient to know if it was received correctly or contains errors due to noise. If the error is small enough this will allow it to be fixed. This is something I have been trying to work out for the last three or so years but have never made any progress.

So there we go , we know more than we did a few years ago but even so there are still a great many unknowns.

I would urge people please don't stop monitoring these modes. We still need more logs and they will always be welcome.

Many thanks for your past work Ian.

Gizza Job



Thanks 'E'

An interesting piece on the Polish BP-3 'spy radio' from J-P LeBlanc

<http://qrznow.com/bp-3-polish-wwii-spy-radio-set/>

with more to be seen:

<http://cryptomuseum.com/spy/bp3/index.htm>

and related coverage here: <http://dxinternational.blogspot.com/2007/07/of-spies-and-men.html>

It's well worth a look and a read; thanks J-P.

SIAULIAI [a piece from the typewriter of HJH]

The above named isolated but huge airbase is tucked away in the south east corner of Lithuania. (Had to spell check it too!!!) Home to the former Russian (Soviet) Air Force, Maverick and Goose it is not! So, why is it suddenly home to NATO aircraft and supporting ground crew?

Let us back up to the 90s. Lithuania, Latvia, and Estonia were granted independence from the former Soviet Union. (Russia today.) Russia made efforts to keep all three in the C.I.S or Commonwealth of Independent States. Instead, all three looked to the West ,and in particular NATO, (for defence) and the European Union (for big handouts!) NATO jumped at the chance, seeing the chance to now sit on the border of the Russian Bear's cave and listen in to all that electronic tittle- tattle and monitor all those radar and other frequencies. Oh, and monitor all the movements and activities so much better the chance to play with the Russian hardware, glean intelligence from former Soviet servicemen, and intelligence gathering of all descriptions, also played a big part.

The European Union of course, is never averse to expanding its empire and the added revenue eventually to be gained from these three nations, is not to be missed! I will say no more about the European union on the principle that, if one can say nothing good about a subject, say nothing! NATO, of course, has now assumed responsibility for the defence of these three new members. So, 2004 saw the three nations joining NATO and the European Union. Their gain, our loss! Geographically, there is a problem. (Ain't it always the way?)

The nearby Russian enclave of Kaliningrad. This borders the Baltic Sea, Poland, and Lithuania. Not a huge piece of real estate, it is however home to sizeable Russian military forces. These include the Baltic Fleet, two naval air regiments based at Chernyakhovsk equipped with Su 24 "Fencers" and Su27 "Flankers." At Donskoye are air transport and helicopter units.

Near Kaliningrad itself, is an airbase which has recently been upgraded to a fully operational base. Add on the local vital shipyard of Yantar, and we begin to see the value of this piece of Russia. Couple this with the very large number of the population who are Russian speakers, and we begin to see where this going. Ongoing events in Ukraine, in particular the conflict in eastern Ukraine involving pro and anti- Russian factions , and also Crimea, make this whole area one of great concern. I think "sensitive" is as good an adjective as any, although perhaps not a good enough description! Oh, and I think that "Brown Trousers Time" is as good a description as any for the state engendered in the upper echelons of NATO by the mid 2014 Russian annexation of Crimea. Enter Baltic Air Policing!

Air Power has become, in the 20th and 21st Century, what sea power used to be. That is, a means to project national power and prestige overseas, as well as at home. The proximity of Russian bases and population has made necessary frequent flights by Russian aircraft near these now independent nations. Hence the NATO policy known as Baltic Air Policing. The main bases are; SIAULIAI in Lithuania, as already mentioned. NATO funded, this is home to air units on QRA or Quick Reaction Alert. No new thing, this is as old as the Cold War itself, which, for this author's money, is as cold or hot (You decide!) now as it ever was. It entails scrambling aircraft, normally fighters, to ascertain the threat level of any aircraft detected by radar in the defended nation, which is approaching the airspace of that nation, and whose identity and intentions are not known. Most civil aircraft carry transponders. These are similar to IFF, or Identification Friend or Foe, which is fitted to service aircraft.

It is a device which when triggered by an interrogating search radar transmits an amplified signal back to the search radar to let that radar know it is a friendly. Russian aircraft are fitted with these, naturally. Some, however, have a habit of turning them off. This leaves the search radar operator to decide if it is a friendly or otherwise. It also confuses Air Traffic Controllers. More on this later.

Again NATO funded, there are bases for NATO at Amari, near Tallin, the capital, in Estonia. The aircraft there are, since May 2015, from the RAF. They are Eurofighters from No. 6 Squadron, based at Lossiemouth, Scotland. At Lielvarde in Latvia, is another base which is home to whichever NATO aircraft are on duty at the time. In Poland, a NATO Air Policing detachment is based at Malbork Air Base. The unit consists of aircraft and air and ground crew of the Belgian Air Force. The aircraft are F16 "Fighting Falcons".

Aircraft and Personnel.

Siauliai is probably the busiest of these bases, and aircraft and personnel are rotated about on a four month rota. Since April 2015, Norway has deployed F16 "Fighting Falcons" to this base, later reinforced by Eurofighter F2000A "Typhoons" of the Italian Air Force. Norwegian ground units and support equipment have also been deployed to Lithuania.

Command and Control.

The operations are directed by the NATO Combined Air Operations Center at Uedem, Germany. This control makes the decision as to whether or not an approaching aircraft is a potential threat, and whether or not to scramble a QRA fighter. Needless to say, all such aircraft are fully armed with air to air missiles and loaded guns. This must be done while the potential threat is still in international airspace, and action taken as necessary. The only action taken thus far has been to intercept, identify, record on video, and escort away from the national airspace of whichever nation is being defended. Thus far, most have been of the cargo carrying type.

Mostly Ilyushin IL 18 Coots, or, occasionally, an Ilyushin IL 20 B "COOT M", an Electronic and Signal Intelligence gathering aircraft. Tupolev" Tu 95" Badgers" have also been in evidence. Here, a quick explanation of the NATO reporting code for Russian/Soviet aircraft. All Russian aircraft have these. They start with F for fighter types, B for bomber types, C for cargo types, M for maritime or seaplanes, and H for helicopters.

So, that is how things are in the Baltic Fighter Town. Just like back in the 50s 60s and 70s, they watch us, and we watch them. Neither should we forget the threat on and under the Baltic Sea, as our Sharkhunter buddies are well aware. Even now, the wreck of a miniature submarine found on the bed of the Baltic last week is being investigated. Should be interesting! Form where this old, cold, warrior sits, we are right back where we were at the height of the Cold war which, we are told, is over.

I am sure we all recall the Cuban missile crisis, brought about, we are told, by the Russian setting up missile bases on Cuba, thereby threatening the USA. Well, with NATO air bases near the Russian borders, NATO ground forces conducting exercises in Ukraine, and Poland being used as the base for more troops and aircraft, is this a re-run of that crisis? Will someone please explain the difference to me? (Answers on a postcard please, NOT wrapped around a housebrick, and lobbed through the window!)

SOURCES(1) In depth article by Stefan DEGRAEF and Edwin BORKEMANS. Published in August issue of Scale Aircraft Modeller:

(2) Armed Forces Sources (Anonymous.)

Items of Interest in the Media:-

From PoSW

A bit of amateur radio news, sort of; I recently started listening on the 80 metre amateur band at around breakfast time on a Sunday morning, something I had not done for a couple of years. I was searching for the RSGB news which always used to be on at 9 AM local time. Nothing heard, but then I discovered that the news now goes out at 10 AM on a frequency in the 40 metre band. I also searched for a regular schedule which always used to be heard on a Sunday morning, G3LYW in Bath in QSO with a station in, I think, somewhere in the London area. Nothing heard, something of a surprise because G3LYW was always the strongest SSB signal on 80. He also had a regular Friday late evening schedule on 160 metres, 1,875 kHz, which ran for years, I can remember hearing him on a 3-transistor home-brew radio in the early seventies. He had a distinctive voice and I also heard him many times on frequencies in the 5MHz band as he was also a net control station for the Combined Cadet Force, something he often used to talk about on the amateur bands. I had supposed that since he was not around on a Sunday morning that he might have passed away at some time in the last two years; however, it turns out that he has not gone to the great Ham Shack in the Sky, he is in prison. Just typing his call into the search engine came up with the information that he has recently been sentenced to three years after pleading guilty to "historic child abuse". I had heard him talk about his connection with some rather exclusive independent school in Bath, not sure if he had been a teacher or an instructor of some kind, and seemingly he had used his position at the school and in the CCF to gain access to young boys for sexual purposes. Apparently there is the possibility that further cases might come to light. He always gave his call-sign phonetically as, "Lucky Young William", I guess his luck ran out and we won't be hearing that call sign any time soon.

<http://www.bristolpost.co.uk/Long-arm-law-finally-leads-prison-80-year-old-man/story-26927227-detail/story.html>

Fidel lives! The recent improvement in relations between the United States and Cuba has prompted the elder Castro to blow the dust off of his old typewriter and bash out a few words of comment. "Castro calls for US reparations" is the headline of a short piece in the *I* newspaper of 14-August, and says, "Fidel Castro celebrated his 80th birthday yesterday by penning a newspaper column which repeated assertions that the US owes Cuba 'numerous millions of dollars' for damages caused by a decades-long embargo. He also said, Cuba 'will never stop fighting for peace'. Relations have thawed between the two countries recently from Mr Castro's brother, Raul."

"Always look on the bright side of life"; not much of that in Russia these days according to a piece in *The Times* of 27-June by Moscow correspondents Ben Hoyle and Nick Holdsworth with the headline, "Half of Russians fear war is looming with the West", which says, "More than half of Russians are afraid of war with the West even though President Putin's approval rating has reached a record high, the country's only polling company has found.

Two recent surveys by the Levada Centre captured the paradox: one poll gave the president an approval rating of 89 per cent, reflecting broad support for his tough stance against the West, while the other survey found that 55 per cent are now afraid or very afraid of 'the possibility of war between between Russia and western countries'.

According to Maria Lipman, an independent analyst in Moscow, there is an 'obvious gap' between the public appetite for 'pugnacious military propaganda' epitomised by Mr Putin's 'nuclear chest thumping' and rising alarm that many feel. It is one reason why the Kremlin continues to deny that its troops are fighting and dying in east Ukraine, she suggested. Mr Putin signed a decree last month making it a criminal offence to report Russian military deaths in peacetime. Although social media postings indicate that a large number of Russians believe that Moscow is already at war, many more prefer not to think about it.

The war in Ukraine, which has claimed at least 6,400 lives, continues to simmer despite a ceasefire deal struck in February. Both sides warn of an imminent return to hostilities.

In the past fortnight, NATO confirmed plans to 'pre-position' hundreds of armoured vehicles close to Russia's borders in eastern Europe, and Mr Putin announced that Russia would add 40 intercontinental ballistic missiles to its vast nuclear arsenal this year.

Critics of the Kremlin argue that state media and officials are exaggerating the sense of a threat to Russia to distract the nation from its economic crisis.

'The state channels are playing a terrible game with the public conscience' said Yevgenia Albats, editor of the weekly magazine *The New Times*. 'It distracts from real problems if tomorrow there is a war.'

However there is no doubt that the conflict in Ukraine and last month's massive, 70th anniversary celebrations of the victory of the Soviet Union over Nazi Germany is fuelling national pride even if it is also stirring anxiety among other ordinary Russians.

The new defence ministry boutique near the Kremlin sells a gold-plated Red Army iphone cover for £1,400 – the perfect accessory to flaunt loyalty in a new Cold War.

The store, on the main shopping street in Moscow, is part of a wave of state-sponsored and private initiatives stoking patriotism as the stand-off with the West over Ukraine continues.

Brides can hire armoured personal carriers for the big day instead of a limousine, and Patriot Park, near Moscow, has been promoted as a venue for a day out with the children who can scramble over tanks and play with grenade launchers; a kind of Alton Towers with howitzers.

At Moscow's airports there are vending machines dispensing Putin T-shirts celebrating the annexation of Crimea.

Patriot Park is one of many such venues that will be opened across the country. Built by the defence ministry at a cost of 20 billion roubles (£236 million), it will host 10,000 people a day when fully operational in 2017. 'This park is a gift to Russian citizens, who can behold the full power of the Russian armed forces,' Sergei Privalov, an Orthodox priest, said at the opening ceremony."

A lot of negative reporting on Mr Putin in the UK press, and there has been for some time. I think that the fact that he puts his country and its people first and won't sell out to the globalisation project, as every other nation has done, upsets a lot of people in high places in the West. Also, the fact that he won't allow the promotion of homosexuality in Russia has triggered off a lot of negative comments among the wealthy "Gay Mafia" which runs much of public life in this country. Something of a surprise perhaps, as Mr P seems to like being photographed in what has been described as the "homoerotic" style, clad in leathers astride a powerful motorcycle or bare chested on horseback for example. Perhaps when he has had enough of being in politics he might form a Russian "Village People" tribute band.

Tension rising in the South Atlantic:- the threat to the Falkland Islands from Argentina, quietly simmering away since the defeat of that nation by Her Majesty's Armed Forces in 1982. Since Johnny Gaucho is threatening to turn nasty again, measures are in hand to improve the defences of the Falklands, according to the defence correspondent of the *Daily Telegraph*, Ben Farmer, in an article the 25th August issue of the paper which says, "Britain has ordered £47 million of new mobile air defence radars to protect the Falkland Islands against possible attack by Argentine Jets.

The new vehicle-mounted radar will be able to spot threats up to 75 miles away and the first systems will be delivered before the end of the year. The Defence Secretary earlier this year said Britain would strengthen the island's defences amid reports Argentina was trying to update its aged air force with Russian or Chinese jets.

Michael Fallon warned there was a 'very live threat' to the islands.

He said, 'It is our general view that the threat has not reduced. Argentina still, sadly, maintains its claim to the islands 30 or more years after the original invasion and we have to respond to that'.

The Ministry of Defence has already ordered new anti-aircraft missiles for the islands to replace its existing batteries.

Britain has around 1,200 troops on the islands, including an infantry company, headquarters and logistic staff and engineers. Four Typhoon fighter jets patrol Falklands airspace to intercept or shoot down Argentine jets if necessary and a frigate or destroyer is stationed in the South Atlantic.

The new "Giraffe" radar systems are manufactured by Swedish firm SAAB. Britain already operates some of the systems. SAAB said the deliveries would begin this year and carry on until 2018.

MI5 latest revelations:- It has been said that British Intelligence - there's an oxymoron if ever there was one - is having trouble adapting to the present day threats to security which for the most part have connections to the Middle East. They have been so used to operating against Left Wingers for as long as any of them can remember and they have great difficulty in snapping out of that mindset. They would, for example, do their utmost to infiltrate such Left of centre organisations as the Trades Unions, the National Council for Civil Liberties and the Campaign for Nuclear Disarmament. However, the spooks probably shouldn't have worried too much about these entities; after all, back in 1997 many of their leading personalities quit to stand as candidates for the Labour Party, and upon being elected to Parliament most of them took the Blairite New Labour shilling and dumped everything they had espoused previously. And so, former Trade Unionists became all in favour of Labour's open door immigration policy which had the effect of forcing down wages for many working people, those from the NCCL suddenly became enthusiasts of the "surveillance society" and the idea of making everyone carry a smart-chip identity card with 35 pieces of personal information on it, still on Labour's "to do" list if they ever get back into power, and some of the former CND crowd are now in favour of a new generation of nuclear weapons and a first strike policy. *The Times* of 21-August had a full-page article contained a full page article by Ben MacIntyre and Henry Zeffman on what MI5 must have regarded as their golden age. With reference to a well known female author the headline says, "MI5 watched Lessing for 20 years, and says, "Doris Lessing, the Nobel prize-winning novelist, was put under intense surveillance by MI5 for more than 20 years because of her communist views and 'fanatical' opposition to apartheid.

The scale of the MI5 investigation into Lessing, which involved listening to her telephone conversations, reading her mail and inspecting the contents of her luggage, has been revealed for the first time in files declassified today by the National Archives..... Lessing, who died in 2013, first came to the attention of the authorities in Southern Rhodesia, now Zimbabwe, where she was brought up. In 1944, with her Russian-born second husband Gottfried Lessing, a founder of the Southern Rhodesia Communist Party, she was described as a 'leading light of the Salisbury Left Book Club'..... In 1949, after her divorce from Gottfried, she moved to London, stating her occupation as 'typist', and a year later published her first novel, *The Grass is Singing*. MI5 was watching her closely.

The headquarters of the Communist Party of Great Britain (CPGB) was bugged by MI5, and soon after Lessing's arrival in London a conversation was overheard which appeared to refer to her: 'This women wanted to join the party and had written a book.'

In 1951 MI5 applied for a warrant to intercept her mail, noting that Lessing was 'a leading South African communist who has been encouraging communist activities among South Africans in the UK'..... Throughout the 1950s, Lessing's were analysed for subversion, her correspondence monitored, and her travels behind the Iron Curtain and to Africa closely watched, including a 'discreet search of her baggage' when she passed through airports.....

Lessing quit the CPGB in 1956 in protest at the Soviet invasion of Hungary, but MI5 continued to regard her as subversive. One report noted: 'We have no reason to believe Mrs Lessing's fundamental Marxist convictions have in any way changed.'

The surveillance was intense but not always accurate: she is referred to as Lacey, Nessing and Kessing in the files, with nicknames including Tia, Tigs and Tigger.

Lessing made no secret of her communist beliefs. Her literary breakthrough came in 1962 with the publication of *The Golden Notebook*. She was awarded the Nobel Prize for literature in 2007. A year later *The Times* ranked her fifth on a list of the 50 greatest British writers since 1945.'

And *The Times* also included a little list of other individuals who attracted the attention of MI5 under the heading, "Who do you suspect? Everybody....." :-

"Labour ministers:- MI5 kept files on Jack Straw when he was communist-backed president of the National Union of Students, and on John Prescott while he was an official of the National Union of Seamen. Lord Mandelson was monitored as an active member of the Young Communist League in the 1970s, and Patricia Hewitt and Harriet Harman were suspected of being communist sympathisers.

Charlie Chaplin:- The screen great's MI5 file showed that in 1952 the Security Service instigated an investigation into the circumstances of Chaplin's birth after a request from the FBI, which was trying to prove that he was a communist sympathiser. MI5 found nothing to support the belief that his real name was Israel Thornstein, nor the theory that he had been born in France.

John Lennon:- In 2000, David Shayler, a former MI5 agent later convicted of breaching the Official Secrets Act, alleged that MI5 held a file on John Lennon which showed that he had helped to fund the IRA and the Worker's Revolutionary Party.

UB40 - (A beat combo popular in the 1980s, M'Lud) :- One of Shayler's more bizarre claims was that the security service spied on UB40 by bugging the homes of two of the band's members and combing the lyrics for indications of subversive inclinations. On learning of the allegations, singer Ali Campbell said: 'We were just smoking weed. Nobody could understand the lyrics anyway.'

Eric Hobsbawm:- MI5 was revealed last October to have spied on the Marxist historian Eric Hobsbawm after he had been identified as having communist sympathies by his army superiors during the Second World War. The security service opened his letters and bugged his calls and meetings.

Ewan MacColl :- The Scottish folk singer who wrote *The First Time Ever I Saw Your Face* was tracked by MI5 during the 1930s and 1940s."

Point to Ponder:- "Meet the new boss. Same as the old boss" (*Won't Get Fooled Again*, The Who, 1971).

Thanks Peter!

Spectre's News Articles

Daily Express 26/04/2015

MI6 chiefs warn British agents they are being targeted by Russian spies in the UK

BRITISH spies have been warned they are being targeted by Russian agents working in the UK, a leaked memo has revealed.

Spies for the Russian president Vladimir Putin could be targeting British agents

Bosses of the UK's secret services believe MI6 staff and their families are at risk of blackmail as agents working for Russian President Vladimir Putin seek new ways to access highly-classified information.

The memo, seen by the Daily Star Sunday, suggests Russian spies are attempting to turn members of the Secret Intelligence Service into double agents.

It adds that retired members of MI6 could also be on Mr Putin's hit-list, describing British agents as "high priority targets".

The problem is considered to pose such a real and present threat to UK security that intelligence service bosses have urged staff to call an emergency number any time they are approached by foreign agents.

MI6, the home of fictional secret service agent James Bond, is the UK's foreign intelligence service, and employs more than 3,000 people.

The memo says: "The Russian services continue to be very active and to approach serving and former members of HM Government.

“It is clear the Russian services regard both current and former retired members of the Service as high priority targets.” “The Russian services have a tradition of using pressure in their operations.

“This may be used against both former members of staff and their close relations.

Mr Putin held talks in Armenia with the French President Francois Hollande on Friday

It is clear the Russian services regard both current and former retired members of the Service as high priority targets

Leaked memo

It adds: “If any former retired members of staff are approached by Russian services they should acknowledge only that they used to work for the Foreign and Commonwealth Office.

“They should politely refuse the approach and make it clear they will report the incident to FCO security department at the earliest opportunity.”

There are fears that the Russians could use a range of tricks to entice British agents, including offering cash or setting up a ‘honeypot’, where a female spy gathers information after seducing her target.

It comes as Britain’s domestic security service, MI5, claims there are now more Russian agents working in the UK than at any time since the Cold War.

Spy chiefs estimate around 80 spies working for Russia’s Foreign Intelligence Service, or SVR RF, are now based in the UK.

An intelligence source told the Daily Star Sunday: “The threat from Russia is increasing almost every day.

“We have Russian jets, subs and ships probing our borders.

“Now their spies are beginning to target our agents. We are back in the bad old days of the Cold War.”

The ex-KGB man has reportedly boasted that the military invasion of the Black Sea peninsula righted a “historical injustice” and said he had no regrets over the conflict.

Speaking in a new documentary to mark 15 years in power, Mr Putin said: “It’s not because Crimea has a strategic importance in the Black Sea region.

“It’s because this has elements of historical justice.

“I believe we did the right thing and I don’t regret anything”

The annexation of Crimea from Ukraine in March 2014 provoked the worst crisis between the West and Russia since the end of the Cold War.

In a sign of rising hostility between London and Moscow, RAF jets were scrambled last week after Russian military planes were spotted near UK airspace - the latest in a series of similar incidents.

The security breach happened just hours after Russian warships passed through the English Channel.

HMS Argyll was deployed to monitor the Russian vessels with reports suggesting they were due to carry out military exercises in the North Atlantic.

The Washington Times 12/06/2015

CIA releases memo showing agency blamed Bill Clinton for bankrupting war on terror ahead of 9/11

The Clinton administration had bankrupted the intelligence community and refused to let the CIA prioritize anti-terrorism over other major priorities in the late 1990s, leaving the agency stretched too thin in the days ahead of the 2001 terrorist attacks, former Director George J. Tenet said in a 2005 document declassified Friday.

Mr. Tenet, who was head of the agency at the time of the Sept. 11 attacks and has taken severe criticism for not anticipating and heading them off, said in the document that he took the threat of Osama bin Laden very seriously, and put major effort into trying to penetrate al Qaeda, beginning as far back as 1998.

The document was a response to an inspector general’s draft report that had accused Mr. Tenet of failing to give al Qaeda enough attention in the months leading up to the Sept. 11 attacks. But Mr. Tenet said he did take steps, amid all the other work CIA was also required to do.

“Your report does not adequately address the context of an intelligence community that had to respond to wars in Bosnia and Kosovo, the prospect of war between India and Pakistan, China’s military buildup and threat to Taiwan, the requirements of policy makers, particularly in Congress, to pursue narco-traffickers in Central and South America, and numerous other such requirements,” Mr. Tenet wrote. “Despite all of these stresses, despite the fact that we had effectively been in Chapter 11 as an intelligence community, we continued on a path to methodically increase both CIA and intelligence community resources and our personnel base devoted to terrorism.”

In addition to Mr. Tenet’s response document, which had originally been classified “top secret/codeword sensitive,” the CIA released more full versions Friday of several other documents that had been released earlier.

The documents came in a Friday afternoon dump — though according to the notations, they’d been approved for release as far back as March.

“The events of 9/11 will be forever seared into the memories of all Americans who bore witness to the single greatest tragedy to befall our homeland in recent history,” the CIA said in a memo accompanying the new documents. “The documents released today reflect differing views formed roughly a decade ago within CIA about the Agency’s performance prior to 9/11.”

The inspector general’s nearly 500-page report, issued in June 2005, found that agency employees “worked hard” to combat al Qaeda, and said Mr. Tenet himself was “actively and forcefully engaged” in counterterrorism. But the investigators said Mr. Tenet didn’t follow up enough on his own warnings and admonitions, and allowed the agency to get bogged down in tactical debates rather than setting an overarching strategy for getting bin Laden.

Mr. Tenet, though, details the follow-up efforts he made and lists the number of times he asked for more money for counterterrorism, and the nine occasions he said he sent memos to senior officials in both the executive branch and Congress warning of terrorist plots.

"Even though senior policy makers were intimately familiar with the threat posed by terrorism, particularly those in the previous administration who had responded to major attacks, they never provided us the luxury of either downgrading other high priority requirements we were expected to perform against, or the resource base to build counterterrorism programs with the consistency that we needed before September 11," Mr. Tenet wrote.

BBC News 02/07/2015

Amnesty calls for GCHQ spying inquiry

GCHQ carries out monitoring for the British government

Campaign group Amnesty International has called for an independent inquiry after it was confirmed it was spied on by British surveillance agency GCHQ.

It said it was "outrageous" that human rights bodies were being monitored.

It came after the Investigatory Powers Tribunal (IPT) informed Amnesty that GCHQ had breached rules by keeping data intercepted from it for too long - although it had been collected legally.

The IPT was revising an earlier ruling that had failed to name Amnesty.

The tribunal had said in June that GCHQ failed to delete data intercepted from two other rights groups on time.

But it confirmed on Thursday that it was mistaken, and that one of the groups was Amnesty.

In a letter to the claimants in the case, IPT president Sir Michael Burton said: "The Tribunal wishes to apologise for and correct an error in its Determination of 22 June 2015."

Communication interception

The original action was brought by non-governmental organisations (NGOs) including Liberty, Privacy International, American Civil Liberties Union, Amnesty and Bytes For All - who accused the intelligence agencies of intercepting their communications.

In most of the cases there was no determination given - implying the bodies were not spied on, or if they were no rules were breached.

But the IPT ruled that GCHQ had not followed proper internal procedures in the cases of the Egyptian Initiative for Personal Rights and South Africa-based The Legal Resources Centre.

The tribunal has now made it clear that it was Amnesty and not the Egyptian organisation that had been spied on.

'Denials and subterfuge'

Amnesty secretary general Salil Shetty said: "It's outrageous that what has been often presented as being the domain of despotic rulers has been done on British soil, by the British government.

"How can we be expected to carry out our crucial work around the world if human rights defenders and victims of abuse can now credibly believe their confidential correspondence with us is likely to end up in the hands of governments?"

"After 18 months of litigation and all the denials and subterfuge that entailed, we now have confirmation that we were in fact subjected to UK government mass surveillance.

"The revelation that the UK government has been spying on Amnesty International highlights the gross inadequacies in the UK's surveillance legislation."

He continued: "If they hadn't stored our communications for longer than they were allowed to, we would never even have known. What's worse, this would have been considered perfectly lawful."

At the time of the original judgement the government said it welcomed "the IPT's confirmation that any interception by GCHQ in these cases was undertaken lawfully and proportionately".

BBC News 24/07/2015

Sturgeon presses Cameron on claims GCHQ can spy on MSPs

Nicola Sturgeon has written to David Cameron seeking urgent assurances that the UK's intelligence agencies are not spying on MSPs.

It follows reports that surveillance agency GCHQ is no longer applying the so-called Wilson doctrine in Scotland.

This bans the tapping of politicians phones, but was introduced in 1966 so does not cover the communications of members of the devolved parliaments.

The first minister said MSPs should be treated the same way as MPs and peers.

The Scottish Parliament's presiding officer Tricia Marwick has also written to the prime minister over the issue saying she would expect Holyrood to be consulted about any changes.

The Wilson doctrine, named after former prime minister Harold Wilson, protects MPs' phones and electronic communications, including emails.

I am sure you will also agree that it is just as important for MSPs as it is for MPs

GCHQ has previously also applied it to the communications of MSPs, however recent press reports have suggested that is now no longer the case.

Ms Sturgeon said she was seeking "urgent clarification on an apparent change of policy from GCHQ".

She also pointed out that the Scottish government had not been consulted on any changes.

In a letter to the prime minister, the first minister said: "I am sure you will agree with me that, excepting truly exceptional circumstances involving national security, the confidentiality of communications between parliamentarians and their constituents is of the utmost importance.

"I am sure you will also agree that it is just as important for MSPs as it is for MPs.

"This principle of confidentiality is what the 'Wilson doctrine' was introduced to protect."

Ms Sturgeon asked for responses to several questions including:

Are these reports correct in stating that there has been a change of policy and that GCHQ has ceased to apply the Wilson doctrine to the communications of MSPs?

If so, why was this decision taken, when and by whom was it taken, and was there any ministerial knowledge or approval?

Has there in fact been any interception of MSP communications?

The presiding officer's letter to Mr Cameron also sought "urgent clarification".

Ms Marwick said: "I feel strongly that all elected members should be treated in the same way, regardless of which Parliament or Assembly they are elected to, especially with regard to any communications a member has with his or her constituents.

"As Presiding Officer, I am responsible for safeguarding the interests of all members of the Scottish Parliament and I would therefore seek your urgent clarification on what guidelines exist in relation to members of the Scottish Parliament and whether there has been any change in the approach of the security services."

Scottish Labour's acting leader Iain Gray said it was "utterly unacceptable" for the communications between devolved representatives across the UK and their constituents to be monitored by GCHQ.

He added: "There needs to be full transparency from the UK government on this.

"We need to know urgently who decided on this major rule change and when. For the rules on spying on elected representatives across the UK to change without any sort of public scrutiny or accountability is a democratic outrage."

Data collection

Scottish Conservative MSP Murdo Fraser said: "Given the SNP devised the state guardian scheme and wants to meddle in people's lives to ludicrous extents, you'd think the party would welcome these reports.

"Perhaps the nationalists should think of this as being given a little named person of their own."

The Wilson doctrine covers phone calls and emails

The Scottish Liberal Democrats urged Scottish Secretary David Mundell to investigate the matter.

The party's justice spokeswoman Alison McInnes said: "The security services should be focused on catching terrorists and not spying on MSPs.

"We know the Tories have an utter disregard for our basic civil liberties but this seems to show a government spiralling out of control in its clamour for power."

Scottish Greens co-convenor Patrick Harvie MSP described the claims about a change in guidelines as "deeply disturbing".

He said: "We must have a statement from ministers explaining the change. The privacy of parliamentary communications is a vital tool to protect the public interest."

Reports of the apparent change in policy with regard to MSPs emerged as the intelligence services' interception of politicians' communications data was being challenged at a hearing.

Green Party politicians Caroline Lucas and Baroness Jenny Jones and former Respect MP George Galloway have alleged the Wilson doctrine is being breached.

The trio say MPs' communications with the public are being intercepted as part of the Tempora mass data collection programme exposed by former US intelligence analyst Edward Snowden.

They have taken their case to the Investigatory Powers Tribunal which investigates complaints against the security services.

The Cabinet Office, which is taking the lead in matters concerning the Wilson Doctrine, issued a statement after a BBC Scotland request for comment.

It said: "Thanks for your query. We are not going to comment during ongoing litigation."

NBC News 30/07/2015

Exclusive: Secret NSA Map Shows China Cyber Attacks on U.S. Targets

Report: Chinese have hacked the US nearly 700 times 1:12

A secret NSA map obtained exclusively by NBC News shows the Chinese government's massive cyber assault on all sectors of the U.S economy, including major firms like Google and Lockheed Martin, as well as the U.S. government and military.

The map uses red dots to mark more than 600 corporate, private or government "Victims of Chinese Cyber Espionage" that were attacked over a five-year period, with clusters in America's industrial centers. The entire Northeast Corridor from Washington to Boston is blanketed in red, as is California's Silicon Valley, with other concentrations in Dallas, Miami, Chicago, Seattle, L.A. and Detroit. The highest number of attacks was in California, which had almost 50.

Each dot represents a successful Chinese attempt to steal corporate and military secrets and data about America's critical infrastructure, particularly the electrical power and telecommunications and internet backbone. And the prizes that China pilfered during its "intrusions" included everything from specifications for hybrid cars to formulas for pharmaceutical products to details about U.S. military and civilian air traffic control systems, according to intelligence sources.

The map was part of an NSA briefing prepared by the NSA Threat Operations Center (NTOC) in February 2014, an intelligence source told NBC News. The briefing highlighted China's interest in Google and defense contractors like Lockheed Martin, and in air traffic control systems. It catalogued the documents and data Chinese government hackers have "exfiltrated" -- stolen -- from U.S. corporate, government and military networks, and also listed the number and origin of China's "exploitations and attacks."

The map suggests that NSA has been able to monitor and assess the Chinese cyber espionage operations, and knows which specific companies, government agencies and computer networks are being targeted.

The NSA did not immediately respond to repeated requests for comment.

[The Intercept 03/07/2015 https://firstlook.org/theintercept/](https://firstlook.org/theintercept/)

REPORT: AFTER SPYING OPERATION IN GERMANY, CIA OUTED SUSPECTED LEAKER TO RETALIATE AGAINST JOURNALISTS

In the summer of 2011, the CIA station chief in Berlin asked one of the most powerful intelligence officials in Germany to go on a private walk with him, the German newsmagazine Der Spiegel reports. The American spy had an important message to convey: one of Germany's own senior officials was leaking information to the press.

The suspected leaker, Hans Josef Vorbeck, had been in contact with Spiegel, the station chief told the German official, Günter Heiss. Head of Division 6, Heiss is responsible for coordinating Germany's intelligence services. Vorbeck was his deputy.

At the time, Vorbeck was responsible for managing German counterterrorism efforts. Following the meet-up, Vorbeck was discreetly transferred to a less prestigious post, overseeing historical archives for the BND, Germany's foreign intelligence service.

For four years, the conversation that led to Vorbeck's demotion remained secret. It has now become public, thanks largely to a German intelligence inquiry launched in the wake of Edward Snowden's historic leak of top-secret NSA documents. The walk — and its implications for U.S.-German relations — were detailed Friday by Spiegel.

Obama administration officials told the magazine that the disclosure of the alleged communications between Vorbeck and its journalists was prompted by national security concerns. The fact that the Americans were willing to expose an ongoing surveillance operation underscored the seriousness of the threat posed by the leaks, sources in Washington told Spiegel. Intentionally or not, the sources said, the disclosure put the Germans on notice — the Americans were watching.

“People around the world — regardless of their nationality — should know that the United States is not spying on ordinary people who don’t threaten our national security,” Ned Price, spokesperson for the National Security Council, said in a statement to The Intercept. “We also have made clear that we take their privacy concerns into account.”

“While we are not going to discuss specific targets, we have repeatedly made clear that the United States does not collect intelligence for the purpose of suppressing or burdening criticism or dissent, or for disadvantaging persons based on their ethnicity, race, gender, sexual orientation, or religion,” Price added. “Signals intelligence is collected exclusively where there is a foreign intelligence or counterintelligence purpose to support these missions and not for any other purposes.”

The revelations, the latest in a series of disclosures detailing the fraught and intertwined intelligence relationship between German and American entities, offer an example of how the Obama administration, known for its aggressive approach to national security leaks at home, similarly asserts itself in leak cases abroad.

Spiegel, the same periodical the two officials discussed that summer day in Berlin, describes how it came into the crosshairs of the U.S. government.

Between about 2004 and 2009, the magazine published several scoops exposing controversial U.S. counterterrorism operations, such as the CIA’s extraordinary rendition of German Islamic extremist Mohammed Haydar Zammar to Syria, where he was subjected to torture at the hands of Bashar al-Assad’s regime. These reports triggered a political backlash in Germany and prompted a parliamentary committee to investigate the CIA’s practices.

In late 2010, Spiegel cemented its status as a source of irritation for the U.S. government. Along with a number of other major news outlets, the magazine worked to publish thousands of classified cables provided by WikiLeaks. The cables detailed evidence of potential war crimes committed by U.S. forces in Iraq and revealed the grinding day-to-day toll of the United States’ war in Afghanistan. The U.S. government responded to the leaks by launching a Department of Justice investigation.

Several months later, in the summer of 2011, the CIA apparently identified an alleged source of leaks within the German government and tried to shut it down. Citing CIA and NSA documents, as well as three independent government sources in both Berlin and Washington D.C., Spiegel reported Friday that it has confirmed the CIA station chief specifically identified the magazine and Vorbeck at the center of the alleged leaking during the 2011 conversation in Berlin.

Testifying before a German parliamentary committee investigating NSA surveillance Thursday, Heiss confirmed that he had received the 2011 tip from the CIA, but that the information was not “concrete enough” to take steps against Vorbeck beyond his reassignment.

According to Spiegel, Heiss visited CIA headquarters in Langley, Virginia in June 2011, following his Berlin walk with the station chief. During conversations there, Spiegel was mentioned specifically, according to internal memos the magazine reviewed.

Vorbeck maintains that media relations — including background conversations and public appearances as an official representative of the chancellery — were part of his job responsibilities. As such, he does not deny having ties to members of the press. “I had contact with journalists and made no secret about it,” he told Spiegel. “I even received them in my office in the Chancellery,” he added. “That was a known fact.”

The Obama administration has developed a reputation for aggressively investigating journalists and their confidential sources in cases involved leaked national security information — serving subpoenas for phone records linked to reporters at major news organizations investigating sensitive CIA stories, dragging a Pulitzer Prize-winning journalist through a multi-year legal battle in an effort to reveal an alleged government source, and applying the Espionage Act to target whistleblowers leaking to journalists more times than every previous administration combined.

Exactly how the U.S. intelligence community learned of the alleged communications between Vorbeck and Spiegel is unclear. According to the magazine, chancellery officials, in the early days after the 2011 walk, considered how the CIA might have obtained its information. They had two ideas: one, the agency had an informant either inside the chancellery or the magazine; or two, the Americans had relied on electronic surveillance. They determined the latter was more likely. Who the target of the surveillance was — Vorbeck, Spiegel’s journalists or wider collection of German government officials — is an unanswered question.

“Each of these acts would represent a violation of German law,” Spiegel noted in its report today.

But Spiegel reports that the chancellery did virtually nothing to uncover how the Americans learned of the alleged communications between a high-ranking German official and members of the German press. Neither the actors in question, nor the appropriate bodies for oversight, were contacted about the suspicions raised by the CIA, including those tasked with reining in German intelligence agencies and those charged with guarding against counterintelligence and protecting the German constitution.

Instead, Spiegel reports that Vorbeck, whose job involved talking to the press, was reassigned with no opportunity to defend himself. Then, two years later, when evidence of U.S. surveillance in Germany emerged through the NSA leaks, German officials publicly declared themselves shocked that the Americans would do such a thing. Responding to the apparent lack of action on the part of the chancellery, Spiegel filed a federal complaint Friday.

The magazine also noted that German law requires intelligence matters of “considerable importance” to be reported to the Bundestag’s Parliamentary Control Panel, which holds classified hearings in an effort to oversee the nation’s intelligence agencies. The panel, Spiegel reported, received no answers as to why Vorbeck was removed and was never informed of the CIA’s warning regarding his alleged communications with reporters.

News of the CIA tip-off comes at a delicate time for relations between the U.S. and Germany. Home to Ramstein Air Base — one of the largest U.S. military installations abroad — Germany has played a crucial supporting role in the United States’ global war on terror. In April, The Intercept, in a partnership with Spiegel, confirmed that Ramstein serves as a key node in Washington’s controversial targeted killing operations.

Cooperation aside, recent years have also seen the relationship between the U.S. and Germany marked by moments of public tension. In 2013, leaked NSA documents indicating that the U.S. intelligence agency had eavesdropped on German Chancellor Angela Merkel’s phone strained relations between the countries. A German probe into the alleged surveillance was recently dropped. On Wednesday, however, leaked NSA documents published by WikiLeaks and the German newspaper Sueddeutsche Zeitung, included a list of nearly 70 phone and fax numbers purporting to show that U.S. surveillance of its longstanding ally has in fact included a broad circle of German officials beyond the chancellor.

On Thursday, the State Department confirmed that ambassador John B. Emerson had traveled to Germany to meet with chancellery staff members, but did not answer specific questions posed by The Intercept as to whether the meeting bore any relationship to the alleged leaking, pointing instead to general comments from spokesperson John Kirby.

“We’re not going to comment on specific intelligence allegations or the veracity of leaked documents, but as we’ve also said, we do not conduct foreign intelligence activities unless there’s a specific and validated national security purpose, and that applies to ordinary citizens and world leaders alike,” Kirby said Thursday.

“We continue to enjoy a long and very productive friendship with Germany based on shared values and a history of cooperating to advance our interests around the globe,” he added. “Nothing’s going to change about that.”

The CIA declined to respond to a request for comment.

Yahoo News 03/07/2015

Slovak agency: Russian spies increase activities in EU, NATO

BRATISLAVA, Slovakia (AP) — Slovakia's spy agency says Russian agents have significantly increased their activities in Slovakia and all other NATO and European Union countries in connection with the crisis in Ukraine.

The agency, known as SIS, made the comments in its annual report but didn't provide any details.

Relations between Russia and the West have sunk to post-Cold War lows after Moscow's 2014 annexation of Ukraine's Crimean Peninsula and its support for a pro-Russian insurgency in eastern Ukraine.

The SIS says Russia has been actively supporting the separatists in Ukraine to keep the country under its sphere of influence. It says Ukraine's conflict strengthened the position of conservatives close to Russian President Vladimir Putin.

The agency says foreign spies have tried to infiltrate Slovak state offices, security forces and influence the public opinion.

The Intercept 21/08/2015 <https://firstlook.org/theintercept/>

Who Was the CIA Official Who Found Torture Revolting? And Other Questions the ACLU Still Has About CIA Torture

In early December 2014, Senate Intelligence Committee Chair Dianne Feinstein, D-Calif., released a summary of her staff's five-year investigation of the CIA's interrogation programs following 9/11.

Best known as the “Torture Report,” the document revealed searing details of ghastly abuses ranging from “rectal feedings” to “near drowning” on the waterboard.

But, for the American Civil Liberties Union, the report also raised a whole new set of questions.

“For all its revelatory, gruesome details, [the report] also revealed more about what we don’t know,” Eliza Relman, an ACLU legal assistant wrote in a blog post.

The ACLU has obtained over 100,000 pages of torture-related documents through FOIA requests and legal action over the last 10 years. But the Senate report helped identify some specific gaps.

“Many of the questions we are hoping that the documents will answer involve filling out the picture,” says Dror Ladin, a staff attorney with the ACLU who spoke with The Intercept.

The ACLU's National Security Project filed a new Freedom of Information Act request, seeking documents it hopes will answer these questions, and others:

Q. What else was in an email sent by the CIA's chief of interrogations telling the CIA he would have nothing to do with the detainee interrogation program? And who was he?

The Senate report hints at some dissension in the ranks when it came to the extreme interrogation tactics, but does not go into much detail about who was concerned, how widespread the concern was, or how the concern was handled.

In a 2004 email, the then-CIA chief of interrogations expressed disgust with the program, writing that he would “no longer be associated in any way with the interrogation program due to serious reservations,” calling it a “train wreck [sic] waiting to happen” and stating that he wanted to “get the hell off the train.”

He was responding to a written plan to interrogate an inmate named Abd al-Rahim al-Nashiri, who was revealed to have been taken to five different CIA “black sites” and tortured with mock executions, waterboarding, and having a drill held up to his head. CIA officers on the ground, according to the Senate report, told the federal government that he had given up all information he had — but higher-ups insisted they keep torturing him.

The report does not indicate who wrote the angry email, or what the rest of the email may have contained.

The ACLU is asking for the rest of the email, which was sent between three redacted sources with the subject Re: CONCERNS OVER REVISED INTERROGATION PLAN FOR NASHIRI, date: January 22, 2003.

Q. What concerns did the CIA's Office of Medical Services raise about its role in the torture program?

The Office of Medical Services, a small department of the CIA employing staff physicians, was revealed to be intimately involved in observing torture sessions and enforcing guidelines it compiled. The medical personnel were meant to be the “institutional conscience and limiting factor” on the severity of interrogations, according to an internal email between agency medical officers in 2003.

The medical professionals' involvement in the program triggered outrage from the medical community, even before the full Senate report was released.

When the Justice Department's Office of Legal Counsel was asked to weigh in on the legality of certain “enhanced interrogation” methods in 2005, the OMS balked at being responsible for any ethical standards in the program: “Simply put, OMS is not in the business of saying what is acceptable in causing discomfort to other human beings, and will not take on that burden,” wrote OMS personnel in an April 2005 email. “OMS did not review or vet these techniques prior to their introduction, but rather came into this program with the understanding of your office and DOJ that they were already determined as legal, permitted, and safe.” The rest of the email has not been released.

The ACLU wants to see a CIA memo on the OMS guidelines on medical and psychological support for the CIA program, an email between two redacted sources about OMS concerns with the OLC's legal decisions, and a 2007 document titled “Summary and Reflections of Chief of Medical Services on OMS Participation in the RDI Program.”

Q. What is in the still-hidden sections of the CIA's 2004 Inspector General report?

The CIA Inspector General for Investigations conducted a special review of the agency's interrogation program from September 2001 to October 2003, which was released in part in May 2004. While the visible parts of the report delve into the abstract legal definitions of torture, policy considerations, and some description of

the training the CIA officers had prior to starting the program, the majority of the report is redacted. There are sections of dozens of pages that were “denied in full,” while some pages include one- to two-word phrases such as “waterboarding” surrounded by blacked-out text.

The Senate report included previously unknown responses to the report. For instance, the deputy director of operations, James Pavitt, wrote in reply that the IG should have concluded that “EITs (enhanced interrogation techniques) (including waterboarding,) have been indispensable [sic] to our successes.”

The ACLU is seeking the Inspector General’s full report on unauthorized interrogation techniques at “detention site blue,” the IG’s draft special review of the counterterrorism detention and interrogation program and interrogation activities, a memorandum for the inspector general relating to the investigation, and the full contents of Pavitt’s comments on the draft.

Q. What were the techniques the CIA used to get around restrictions on waterboarding?

The Office of Medical Services provided specific guidelines on waterboarding for the CIA to ensure the prisoner is “not likely to suffer any severe mental or physical pain or suffering as a result of interrogation,” and staff attempted to enforce those guidelines by attending interrogations.

However, on at least one occasion, an OMS agent expressed concerns that waterboarding had gone too far, and failed to stop it. A CIA interrogator managed to get approval anyway, prompting the OMS agents to question whether their role had changed from “institutional conscience” to “keeping everyone’s butts out of trouble.”

The ACLU is asking for a memorandum for the record sent by a redacted source on a meeting with the Department of Justice in 2004 regarding interrogation techniques, including waterboarding.

[The Intercept 26/08/2015 https://firstlook.org/theintercept/](https://firstlook.org/theintercept/)

The Way GCHQ Obliterated The Guardian’s Laptops May Have Revealed More Than It Intended

In July 2013, GCHQ, Britain’s equivalent of the U.S. National Security Agency, forced journalists at the London headquarters of The Guardian to completely obliterate the memory of the computers on which they kept copies of top-secret documents provided to them by former NSA contractor and whistleblower Edward Snowden.

However, in its attempt to destroy information, GCHQ also revealed intriguing details about what it did and why.

Two technologists, Mustafa Al-Bassam and Richard Tynan, visited Guardian headquarters last year to examine the remnants of the devices. Al-Bassam is an ex-hacker who two years ago pleaded guilty to joining attacks on Sony, Nintendo, and other companies, and now studies computer science at King’s College; Tynan is a technologist at Privacy International with a PhD in computer science. The pair concluded, first, that GCHQ wanted The Guardian to completely destroy every possible bit of information the news outlet might retain; and second, that GCHQ’s instructions may have inadvertently revealed all the locations in your computer where information may be covertly stored.

Editors of The Guardian chose to destroy the files and the devices they lived on after the British government threatened to sue them and halt further reporting on the issue, including stories on how GCHQ utilized data collected by the NSA on communications from many major Internet companies.

Footage of Guardian editors physically destroying their MacBooks and USB drives, taken by Guardian executive Sheila Fitzsimons, wasn’t released until months later, in January 2014. The GCHQ agents who supervised the destruction of the devices also insisted on recording it all on their own iPhones.

The Guardian’s video reveals editors using angle-grinders, revolving drills, masks that GCHQ ordered them to buy, and a “degausser,” an expensive piece of equipment provided by GCHQ, which destroys magnetic fields and thereby erases data. The procedure eliminated practically every chip in the device, leaving almost no recognizable piece of machinery behind. The whole process lasted over three hours.

But while Paul Johnson, The Guardian’s deputy editor, chalked the exercise up to “purely a symbolic act” of power on the part of the British government — given that copies of the Snowden files still existed in New York — there may be more to it.

At a speech given at the Chaos Communication Camp technology conference a few weeks ago in Germany, Al-Bassam and Tynan explored the details surrounding GCHQ’s decisions about how to destroy the devices, and hypothesized about what the government’s intentions might have been beyond intimidation.

“Normally people just destroy the hard drive,” said Al-Bassam. But GCHQ took it several steps further. The spy agency instructed Guardian editors to destroy parts of multiple MacBook Airs’ track pad controllers, power controllers, keyboards, CPUs, inverting converters, USB drives, and more.

According to “Joint Services Publication 440,” a 2001 British government document released by WikiLeaks, the U.K. Ministry of Defense mandates total destruction of top-secret information in order to protect it from “FISs [foreign intelligence services], extremist groups, investigative journalists, and criminals.”

However, when Al-Bassam and Tynan sent an email asking the British government for the “HMG (Her Majesty’s Government) Information Assurance Note 5,” the government-wide document that contains the U.K.’s “sanitization” policies — i.e., the specific steps necessary to destroy top-secret data — the government denied their request. The sanitization policies of the other members of the so-called “Five Eyes” intelligence alliance — the U.S., New Zealand, Canada and Australia — are public, and appeared to have very similar requirements to the techniques used to destroy The Guardian’s computers.

But in allowing The Guardian’s editors to destroy the devices themselves, and hold onto the remaining shards of computer dust, the British government essentially revealed those policies — by making it possible for people like Al-Bassam and Tynan to analyze just why they might have destroyed each part in such a specific way.

What Al-Bassam and Tynan theorized was that the government may have targeted parts of the Apple devices that it “doesn’t trust”: pieces that can retain bits of electronic information even after the hard drive is obliterated.

The track pad controller, they said, can hold up to 2 megabits of memory. All the different “chips” in your computer — from the part that controls the device’s power to the chips in the keyboard — also have the capacity to store information, like passwords and keys to other data, which can be uploaded through firmware updates. According to the public documents from other members of Five Eyes, it is incredibly difficult to completely sanitize a device of all its content. New Zealand’s data deletion policies state that USB memory is only destroyed when the dust is just a few millimeters in length. “This wasn’t a random thing,” said Tynan, pointing to a slide displaying a photo of a completely destroyed pile of USB chip shards.

These hidden memory storage locations could theoretically be taken advantage of, Tynan and Al-Bassam said, by a computer’s owner, hackers, or even the government itself, either during its design phase or after the computer is purchased. The Russian cybersecurity firm Kaspersky Lab has presented evidence that an organization it calls “Equation Group,” which is reportedly linked to the NSA, has developed ways to “create an invisible, persistent area hidden inside [a computer’s] hard drive” that would be virtually undetectable by the computer’s owner. This area could be used “to save exfiltrated information which can be later retrieved by the attackers.”

Other technologists and computer experts agreed with Al-Bassam and Tynan that significant data could theoretically be stored on a computer's various chips. "It's actually possible to store quite a bit of data in a small space — look at Micro SD cards!" wrote Dan Kaminsky, a computer security specialist, in an e-mail to The Intercept. "But generally these other data stores are small. [They] can certainly store cryptographic keys pretty much anywhere though; those things are minuscule."

Steve Burgess, a computer forensics and data recovery expert, echoed Kaminsky's technical points: "Certainly data could be stored on any kind of flash memory or SSD (if there was one), or on the computer's BIOS, and of course on the hard disk's rotating media — and its own on-board flash storage."

But in terms of GCHQ's intentions, Kaminsky thinks the answer lies somewhere between a power play and protocol based on real concern on the part of the agency. "I think GCHQ was doing half theater and half genuine threat response here. The likelihood that The Guardian had anything hidden in the trackpad was low, but from GCHQ's perspective they'd hide something in the trackpad so why wouldn't anyone else?"

To Tynan and Al-Bassam, the methods GCHQ used revealed just how little control we have over our data, and how difficult it is to permanently delete it when necessary. When the pair asked various companies, including Dell and HP, how different parts of the devices are designed to store information and which chips "could potentially betray us," none were willing to reveal any specifics publicly, they said. When a member of the audience asked Tynan what laptop he'd recommend for journalists and activists who rely on privacy and control of their data, he didn't have an answer.

"From a privacy perspective, we need to empower users with knowledge about what their devices do," Tynan concluded.

The Express 27/08/2015

War between Russia and West 'just MINUTES from breaking out 66 TIMES in last 18 months'

WAR between Russia and Nato forces has been imminent a terrifying 66 times over the last 18 months, according to experts.

Both parties have been warned they must agree to adopt new rules on military exercises to avoid sparking a conflict.

Recordings of the "close military encounters" have soared since March last year - with relations between the pair breaking down over the annexation of Crimea from Ukraine.

In a report published by the European Leadership Network (ELN), the ministers warned: "The situation is ripe with potential for either dangerous miscalculation or an accident that could trigger a worsening of the crisis or even a direct military confrontation."

It comes after the think tank warned Russia is "actively preparing for a conflict with Nato".

Nato and Russia have since intensified their large-scale military exercises "with war plans in mind", recent research suggests.

Nato forces are planning approximately 270 exercises this year, according to an ELN study - while Russia has announced a staggering 4,000 drills.

Last month, Moscow warned that the US-led Rapid Trident military exercises in western Ukraine could have "explosive consequences".

US and Ukrainian troops had launched exercises involving 1,800 soldiers from 18 countries in July to boost the morale of armed forces involved in the ongoing conflict against pro-Russian separatists.

But in a statement, Russia's foreign ministry claimed the drills are "a clear demonstration of NATO's provocative policy to unequivocally support the policies of current Kiev authorities in eastern Ukraine".

It said: "Not only is NATO not ready to recognise the wrongness and possible explosive consequences of holding such drills but it is considerably increasing their scope.

"These actions... may threaten to disrupt the visible progress in the peace process concerning the deep internal crisis in Ukraine."

The Kremlin's increased military exercises have put NATO forces on high alert, with numerous near-misses taking place between military planes.

A Russian jet came just feet from crashing into a US military jet in May, while RAF jets were scrambled to intercept 10 Russian military planes in Baltic airspace last month.

Director of ELN Ian Kearns said the war games "are contributing to a climate of mistrust" that have "on occasion become the focal point for some quite close encounters between the Nato and Russian militaries."

Defence Minister Michael Fallon has previously dismissed claims of an imminent war with Russia - but said he could not see an end to the conflict "any time soon".

He said: "Russia is continuing to test Nato's resolve, but we have shown we are standing firm."

[The Intercept 29/08/2015 https://firstlook.org/theintercept/](https://firstlook.org/theintercept/)

Court: We Can't Rule on NSA Bulk Data Collection Because We Don't Know Whose Data Was Collected

On Friday, an appeals court overturned a U.S. District Court decision last May that had declared that the National Security Agency's bulk collection of Americans' phone records was beyond the authorization of the law. The three-judge panel of the U.S. Court of Appeals for the District of Columbia Circuit kicked the matter back to the lower court for additional deliberation.

The decision did not declare the NSA's program, which was revealed by whistleblower Edward Snowden in 2013, to have been legal or constitutional. Rather, it focused on a technicality: a majority opinion that the plaintiffs in the case could not actually prove that the metadata program swept up their own phone records. Therefore, the plaintiffs, the court declared, did not have standing to sue.

"Plaintiffs claim to suffer injury from government collection of records from their telecommunications provider relating to their calls. But plaintiffs are subscribers of Verizon Wireless, not of Verizon Business Network Services, Inc.—the sole provider that the government has acknowledged targeting for bulk collection," wrote Judge Stephen F. Williams.

“Today’s ruling is merely a procedural decision,” said Alexander Abdo, the American Civil Liberties Union attorney who argued against the program at the U.S. District Court. “Only one appeals court has weighed in on the merits of the program, and it ruled the government’s collection of Americans’ call records was not only unlawful but ‘unprecedented and unwarranted.’”

Despite Friday’s decision, the bulk collection program will end later this year in accordance with the USA Freedom Act, passed by Congress in June.

The NSA previously argued that its massive collection of telephony metadata was legal because the records met the legal standard of being “relevant to an authorized investigation.”

In the May decision, Judge Gerald E. Lynch described the government’s interpretation of the word “relevant” as “extremely generous” and “unprecedented and unwarranted,” saying that the program had serious constitutional concerns and was ultimately illegal. However, the court did not order the program’s closure, because Congress was due to debate on the USA Freedom Act within a month’s time.

The Foreign Intelligence Surveillance court granted the NSA an extension through November to shutter the program, a provision which was included in the USA Freedom Act. After that the NSA will no longer be able to Hoover up phone metadata without a warrant.

Therefore, the overturned ruling declaring the program illegal doesn’t have much practical effect.

But according to some civil liberties experts, it does say a lot about the power of the NSA to avoid scrutiny. Julian Sanchez, a senior fellow at the Cato Institute, called the ruling “a potent illustration of how excessive secrecy and stringent standing requirements effectively immunize intelligence programs from meaningful, adversarial constitutional review.”

Dorsey & Whitney lawyer Robert Cattanach, a former trial attorney for the Department of Justice, points out that it will be practically impossible to force the NSA to disclose whether or not it did sweep up the plaintiff’s data. “The Government is almost certain to deny any access to the specifics of a classified program through discovery, creating the likelihood of a standoff between the plaintiffs and the government, with the court left to rule based on conjecture about what really happened,” he wrote in a statement sent to The Intercept.

Circuit Court Judge Janice Rogers Brown summarized the problem facing the court: “Excessive secrecy limits needed criticism and debate. Effective secrecy ensures the perpetuation of our institutions.”

So the decision did not necessarily indicate the NSA won, as media outlets today were quick to proclaim. It simply challenged a specific assertion, that the plaintiffs’ own metadata was collected — a matter of fact that will likely never be known for sure.

The Sun 30/08/2015

Clinton secrets hacked by spy in bag

EXCLUSIVE: Shocking new twist to the mystery five years on

THE MI6 spy found dead in a holdall had illegally hacked into secret data on Bill Clinton, The Sun on Sunday can reveal.

Gareth Williams, 31, dug out the guestlist for an event the former American president was going to as a favour for a pal.

The codebreaker — who had breached his security clearance — handed the list to the friend, who was also to be a guest.

MI6 bosses raged over the data breach amid growing tensions with US security services over Mr Williams’s transatlantic work.

Today, just over five years since his body was found inside a padlocked bag, his death remains one of Britain’s most mysterious unsolved cases.

The Sun on Sunday can reveal that voicemail messages Mr Williams left for family and pals were deleted in the days after his death. And a rival agent may also have broken into the flat to destroy or remove evidence.

The inquest was barred from discussing Mr Williams’s work in public. But sources say he was helping on the joint monitoring network Echelon, which uses sophisticated programs to eavesdrop on terrorists and criminal gangs, particularly those in Russia.

Echelon is used by Britain, the US, Canada, Australia and New Zealand.

A source said: “The Clinton diary hack came at a time when Williams’s work with America was of the most sensitive nature.

“It was a diplomatic nightmare for Sir John Sawers, the new director of MI6 at the time.”

Insiders claim Mr Williams, who had been given a second passport with a fresh identity, was also getting fed up with living a secret life. He is said to have loathed his spy training after having his wrist broken during one hardcore session.

One insider said: “Williams’s state of mind in the months before his death was worrying those closest to him.

“He found the training so stressful and his mood blackened even talking about it.

“Typically he’d be asked to learn a new identity then report to a country hotel to meet an interrogation team. There he would be grilled about his new ID for 48 hours without sleep.

“His wrist was broken once after he was handcuffed to a metal bar inside a van that was driven around the country for several hours while he faced a barrage of questions.”

His sister Ceri Subbe also told the inquest he did not enjoy the “flash car competition and post-work drinking culture” of MI6.

He had applied to return to GCHQ, in Cheltenham, but bosses were slow in approving this.

Mr Williams, a keen cyclist originally from Anglesey, North Wales, died shortly after returning from a hacking conference in America.

He had been to see a drag queen show by himself two days before he was last seen alive, on August 15, 2010.

Eight days later his naked body was found folded into the 32in by 19in bag placed in the bath of his flat in Pimlico, central London.

His mobile phone and sim cards were laid out on a table. The last computer evidence of him being alive showed him looking at a cycling website.

Detectives are still baffled as to how the maths genius and expert cryptographer died.

An initial line of inquiry was that he was killed by a jealous lover. Yet there were no signs of forced entry to the flat.

In 2012, lawyers for his family said he could have been killed by someone who specialised in the “dark arts of the secret services”. The police did not rule out his intelligence work playing a part in his death.

They thought he may have been stuffed in the bag by killers who later broke back in to cover their tracks.

Investigators also suspect the flat had been “steam-cleaned”, which would explain why no DNA evidence was found.

The nature of Mr Williams’s work remains a secret, but sources claim he dealt with equipment that tracked the flow of cash from Russia to Europe. The technology let MI6 follow money trails from accounts in Russia to criminal gangs.

A Kremlin car was spotted near his home on the day he was last seen alive.

Police also issued e-fits of a “Mediterranean” couple said to have visited Mr Williams in either June or July.

Coroner Dr Fiona Wilcox, who heard the 2012 inquest into his death, criticised MI6 for failing to report Mr Williams missing for a week. The delay meant a Home Office pathologist was unable to find a cause of death.

Dr Wilcox concluded that Mr Williams’s death was “unnatural and likely to have been criminally mediated”.

She ruled out his interest in bondage and drag queens as having any bearing, adding: “I wonder if this was an attempt by some third party to manipulate the evidence.”

She also dismissed speculation that Mr Williams died due to some kind of “auto-erotic activity” and denied he had any interest in claustrophilia, the love of enclosed spaces.

Experts said even escapologist Harry Houdini would have struggled to lock himself in the bag. Pathologists said Mr Williams would have suffocated within three minutes if he was still alive when put in there.

Yet a year later, Scotland Yard ended a review of the investigation, saying it was more likely Mr Williams had locked himself in the bag and no one else was involved. The announcement angered Mr Williams’s family, who said they stood by the coroner’s findings.

Last night a Met spokesman said: “The death of Gareth Williams was subject to a thorough investigation and coroner’s inquest. We are not prepared to speculate.”

Theories and evidence

— Killed by a rival spy agency. Police issued e-fit of visiting couple.

— Murdered by a jealous lover. No sign of a break-in at Pimlico flat.

— He may have got a sexual kick from being left helpless.

— Coroner says death “unlawful” and “likely criminally mediated”.

— Yard review later said it was probably an accident with no one else present.

Sky News 30/08/2015

Frederick Forsyth Tells How He Helped MI6

Author Frederick Forsyth, famous for his espionage novels, has revealed how he was also conducting missions for MI6 for more than 20 years.

Mr Forsyth told Sky News that he was talking about his past now because “it doesn’t do any harm to mention various adventures that were had way back”.

He described his work as “just run(ning) a couple of errands - no James Bond work, that’s just ridiculous”.

Some of his work was also vetted by the spy agency, he said, adding: “If I wanted to use stuff that I knew might be sensitive...the reply was usually ‘write it first and let us have the pages and we’ll vet it’.”

Mr Forsyth says he helped MI6 on several occasions, including in what was then East Germany in 1973 at the height of the Cold War. One of his missions was to bring back a package from a Russian colonel.

The author, who has released a memoir *The Outsider*, also gave information to MI6 during the Biafran War (also known as the Nigerian Civil War, between 1967 and 1970) and took part in fact-finding missions to South Africa and what was then known as Rhodesia.

An excellent piece appeared in the Sunday Times 30/08 also

Daily Mail 30/08/2015

MI6 told agent it couldn't kill al-Qaeda leader 'because assassinations are a breach of British law'

Morten Storm could have murdered Anwar al-Awlaki but claims he was told by London: ‘We don’t involve ourselves in killings abroad’

The Dane then took his plans to the CIA and Britain cut him off completely

Al-Awlaki preached to the 9/11 hijackers and inspired 7/7 bombers

Storm was so close to him he set Anwar al-Awlaki up with his third wife in an elaborate plot to track him down and kill him

America eventually assassinated him in a 2011 drone attack

An MI6 agent who managed to infiltrate al-Qaeda in a bid to kill one of its leaders was told by his British bosses they would not assassinate him because it could be against the law.

Terrorist Anwar al-Awlaki was encouraging attacks on the West and also recruiting young Muslims to carry them out but despite being able to murder him Morten Storm was blocked by London, it has emerged.

Storm says he was told by his bosses in the UK: ‘We do not involve ourselves in encouraging people to participate in jihad and we don’t involve ourselves in killings abroad. Our objective is to gather intelligence.’

British secret services then cut Storm off completely when he approached the Americans instead, he has claimed.

A source told the Daily Telegraph that no spy can kill anyone without permission from the Foreign Secretary.

Advice says 'Lethal force' can only be used in those circumstances in an 'emergency or crisis which causes danger to the UK or its citizens' - which means it has not been used for decades, the source added.

The CIA went on to assassinate al-Awlaki in a drone attack because he was known to have preached to the 9/11 hijackers and his videos were found across Britain in terrorist homes and in an extreme bookshop used by the 7/7 attackers.

Storm and al-Awlaki, who was a U.S. citizen and lived in the UK for two years, became so close he was offered \$250,000 by the CIA to find a wife for Awlaki - who already had two - in an effort to track him down.

To do this, Storm turned to Facebook, and found 'Aminah' - who said she was a fan of Awlaki.

He then orchestrated an exchange of video messages between the two, and - despite an assassination order on Awlaki from the U.S. - they agreed to marry.

But while successful in its early stages, the rest of the CIA's plot was thwarted.

Storm suffered a troubled childhood, drifting through drugs and into crime.

In 1997, the Dane said that he converted in prison to Islam and upon leaving moved to Yemen to study the Koran.

He added that in 2000 he married a Yemeni woman with whom he had a son named Osama.

It is understood in 2006, he had a dramatic and unexplained change of heart and was turned double agent by the Danish intelligence service, PET.

After five years, Storm claimed to have worked his way to the top of al-Qaeda in the Arabian Peninsula's inner circle and gained direct access to al-Awlaki.

Awlaki, who was born in New Mexico, had become the lead figure for al-Qaeda and the offshoot al-Qaeda in the Arabian Peninsula in the years after Osama bin Laden went into hiding.

Before his death, he was believed to be responsible for persuading Nigerian terrorist Omar Farouk Abdulmuttalab to conceal explosives in his underwear which he tried to use to blow up a Detroit-bound plane on December 25th, 2009.

He also played a role in the 2009 Fort Hood massacre and the failed plot by Faisal Shahzad to detonate an SUV filled with explosives on May 1, 2010.

The CIA plan he orchestrated, Morton says, was to plant a tracking device on Aminah's luggage when she came to Yemen to meet her new husband - which would lead the agency directly to Awlaki's hideout.

In a video appearing on the site of Danish newspaper Jyllands-Posten, she said: 'I would go with him anywhere. I am 32 years old and I am ready for dangerous things. I'm not afraid of death or to die in the sake of Allah.'

Croatian Aminah, who used to work with disabled children in Zagreb, also adds: 'I feel nervous. This is very awkward for me. I just taped this so you can see how I look.'

In his reply, Awlaki - who had specifically requested a white Muslim convert to be his 'companion in hiding' - said: 'If you can live in difficult conditions, do not mind loneliness and can live with restrictions on your communication with others, then that is great.'

He also mentions an associate, purported to be Storm, saying: 'The brother who is carrying this video is a trustworthy brother.'

The pair exchanged encrypted video messages, with Awlaki saying in one: 'I currently do not live in a tent, but in a house [that] belongs to a friend. I'm not leaving the house and am in a situation for my wife to be with me all the time. I prefer this residence [to] a tent in the mountains because it gives me ability to read, write and research.'

At a meeting in Vienna, Austria, Storm showed Aminah a video recording made by Awlaki, who was dressed in white robes in front of a pink background with a floral motif.

In it he says: 'This recording is done specifically for Sister Aminah at her request. I pray Allah guides to that which is best for you in this life and in the hereafter. And guides you to choose what is better for you regarding this proposal.'

Storm said Aminah burst into tears when after watching the video.

The Express 30/08/2015

Wikileaks founder Julian Assange claims he'll be killed by CIA DRONE if he leaves embassy

JULIAN ASSANGE has spoken about his fears he will be assassinated or even "DRONED" by the American intelligence services if he leaves his hideout within the Ecuadorean embassy.

The controversial Wikileaks founder is so fearful that someone will try to take his life that he no longer uses the property's balcony, despite having had no fresh air or sunlight for THREE YEARS.

The Australian faces extradition to Sweden on sexual assault charges - which he denies - and has been living at the central London diplomatic residence since 2012, at a cost of £12million to UK taxpayers.

The reclusive figure fears he will ultimately be sent to the US where he could face the death penalty.

In an interview with The Times magazine, Mr Assange claimed it had become too dangerous to even poke his head out the embassy's balcony doors.

Earlier this month, Swedish prosecutors dropped their investigations into sexual assault allegations against Mr Assange after failing to question him within a five-year period.

He still faces the more serious allegation of rape but prosecutors have run out of time to investigate Mr Assange for sexual assault because the claims have reached their five-year expiry under the country's statute of limitations.

Under Swedish law charges cannot be laid without interviewing the suspect.

Mr Assange's long spell at the Ecuadorean embassy is thought to have cost the Met Police close to £12million due to the need for a round-the-clock police guard.

He believes his situation will be resolved in the next two years, by which point he will have spent five years living in the embassy.

The paranoid computer programmer also warned CIA whistleblower Edward Snowden about assassination attempts if he opted to seek asylum in South America rather than Russia.

Mr Assange said: "He preferred Latin America, but my advice was that he should take asylum in Russia despite the negative PR consequences, because my assessment is that he had a significant risk he could be kidnapped from Latin America on CIA orders.

"Kidnapped or possibly killed."

Mr Snowden is a former CIA employee and government contractor who leaked classified information from the National Security Agency in 2013.

He is living in an undisclosed location in Russia while seeking asylum elsewhere.

Chart Section Index

1. Logging Abbreviations Explained
2. European Number Systems
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September 2015

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Logging Abbreviations explained.

The ENIGMA 2000 Standard logging should take this form without any personalised abbreviations:

E07 10436kHz 1740z 07/06[414 1 563 102 92632 ... 09526 0 0 0 0 0 0] 1753z Fair QRM2 QSB2 PLdn SUN

Station: E07 [Traits of stations in ENIGMA Control List]

Freq: kHz [As above 10436kHz]

Time: z [Always 24hour clock, 'z' states GMT/UTC]

Date: day/month [As above 7th June]

Msg detail: Varies with station

ID taken from 100kHz fig in freqs: 414 [freqs used in this schedule were 13468, 12141 and 10436kHz]

Msg count 1

Dk [decode key]: 563

Gc [group count]: 102

First group of msg: 92632

Text between grps: ...

Last group: 09526 [where more than one group is stated the use of LG ahead group indicates 'Last Group.']

Ending: 0 0 0 0 0 0

Time msg ends: 1753z

Received signal strength assessment: Fair

Noise QRM2

Fading to signal QSB2

Monitor: PLdn

Day heard: SUN

Unknown: unk

Repeat: R [which can be expanded to mean]:

Repeated : R5m [repeated 5 mins]; R5s[repeated 5seconds], R5x [Repeated 5 times]

Received signal strength assessment.

Some receivers possess 'S' meters that give a derived indication of signal strength caused by changes within that receiver. Calibration may, or may not be accurate and the scale, may or may not, be the same as that on other receivers. Some receivers have no meter yet produce acceptable results.

Therefore we prefer the quality of the signal to be assessed by the particular monitor.

Guidance for this can be sought from the Q code:

QSA What is the strength of my signals (or those of...)?

The strength of your signals (or those of...) is...

1) scarcely perceptible.

2) weak.

3) fairly good.

4) good.

5) very good.

[QSA1 S0 to S1; QSA2 S1 to S3; QSA3 S3 to S6; QSA4 S6 to S9; QSA4 S9 and above]

Sooner than put a numerical value we state: Very Weak, Weak, Fair, Strong or Very Strong.

Noise, Static and Fading.

Again guidance from the Q code:

Noise:

QRM Are you being interfered with?

I am being interfered with

1) nil

2) slightly

3) moderately

4) severely

5) extremely.

Note: in the sample the monitor has stated QRM2 which means 'slight noise'; had the interference been from a broadcast station you might have read 'BC QRM2' and so on.

Static [Lightning and other atmospheric disturbance]:

QRN Are you troubled by static?

I am troubled by static

- 1) nil
- 2) slightly
- 3) moderately
- 4) severely
- 5) extremely.

Fading [Propagational disturbance]

QSB Are my signals fading?

Your signals are fading

- 1) nil
- 2) slightly
- 3) moderately
- 4) severely
- 5) extremely.

Note: in the sample the monitor has stated QSB2 which means 'slight fading' where the received signal obviously fades but the message is still intelligible.

The use of QRM1, QRN1 and QSB1 is not expected; if there is no such aberration to the signal it need not be stated.

Day Abbreviation

Self explanatory: SUN, MON, TUE, WED, THU, FRI, SAT

Mode used in transmission

Generally the mode of transmission is not stated, being available in the ENIGMA Control List. Should the expected mode change then this can be stated as: CW [Carrier Wave] MCW[Modulated Carrier Wave] ICW [Interrupted Carrier Wave] generally associated with Morse transmission; AM [Amplitude Modulation], LSB [Lower Sideband], USB[Upper Sideband] generally associated with Voice transmission.

Languages used

The ident of a station generally states the language in use, E [English], G[German] S [Slavic], V[All other languages].

Non voice stations

M [Morse and TTY] HM [Hybrid Mode: Voice/Data] SK [Digital modes] X [Other modes]

Ideally we would like to see logs offered in our standard format allowing the editorial staff to process the results quickly rather than having to manually re-format. Anyone submitting logs should refrain from using their own abbreviations or shortening our abbreviations eg. Su Mo Tu etc.

See a correct example below which is now self explanatory:

V02a 5883kHz 0700z 06/06[A63752 57781 31521] Fair QRN2 end unk PLdn SAT

And the incorrect version:

V2a 5883k 07:00 06/06/2009 A/63752- 57781- 31521 S3 PLdn SA

Additional Info:

Own station idents should not be used.

When an unidentifiable station is submitted please supply the obvious details:

Freq, Time start and end, Date, Message content, particularly preamble and message content and ending. Language details are helpful, particularly any strange pronunciations.

Other details about stations can be found in the ENIGMA Control List available from Group files or sent when you joined.

NUMBER SYSTEMS

European Numbers sytems:

English	zero	one	two	three	four	five	six	seven	eight	nine
Bulgarian	nul	edín	dva	tri	chétiri	pet	shest	sédem	ósem	dévet
French	zero	un	deux	trois	quatre	cinq	six	sept	huit	neuf
German^	null	eins	zwei	drei	vier	fünf	sechs	sieben	acht	neun
Spanish	cero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr^i	chtyr^i	pêt	shest	sedm	osm	devêt
Polish	zero	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
Romanian	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouă
Slovak*	nula	jeden	dva	tri	shtyri	pât'	shest'	sedem	osem	devât'
* West	nula	jeden	dva	try	shtyry	pet	shest	sedem	ossem	devat
* East	nula	jeden	dva	tri	shtyri	pejc	shesc	shedzem	osem	dzevec
Serbo-Croat	nula	jèdan	dvâ	trî	chètiri	pêt	shêst	sêdam	ôsam	dêve:t
Slovene	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
Russian	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévyyat'

[^] Some German numerals have a radio accent and totally in keeping with German armed forces The numbers in question are:

2 ZWEI pronounced as TSWO

5 FUNF pronounced as FUNUF, poss hrd as a fast TUNIS

9 NEUN pronounced by some as NEUGEN

A peculiar pronunciation of three DREI, has crept into G11 transmissions, heard as 'ZYNCE' the 'Y' as in eye.

Numeral Systems used on selected Slavic Stations [*those discontinued in italics*]

	Actual Polish[S11]	S11a Cherta	<i>S11 Kreska</i>	<i>S10d</i>	<i>S17c</i>
0	zero	nul	<i>zero</i>	<i>Nula*</i>	<i>Nula*</i>
1	jedynka	adinka	<i>yezinka</i>	<i>Jeden^</i>	<i>Jeden^</i>
2	dwójka	dvoyka	<i>dvonta</i>	<i>dva</i>	<i>dva</i>
3	trójka	troyka	<i>troika</i>	<i>tri ‘</i>	<i>tri ‘</i>
4	cztery	chetyorka	<i>chidiri</i>	<i>shytri</i>	<i>shytri</i>
5	pi'tka	petyorka	<i>peyonta</i>	<i>pyet</i>	<i>pyet</i>
6	szeœœ	shest	<i>shes</i>	<i>shest</i>	<i>shest</i>
7	siedem	syem	<i>sedm</i>	<i>sedoom</i>	<i>sedoom</i>
8	osiem	vosyem	<i>osem</i>	<i>Osoom~</i>	<i>Osoom~</i>
9	dziewie,c'	dveyvet	<i>prunka</i>	<i>devyet</i>	<i>devyet</i>

Notes on Numeral Systems used on selected Slavic Stations:

* Nula heard as 'nul'

^ Jeden heard as 'Yedinar'

‘Tri heard as ‘she’

~ Osoom often heard as 'bossoom' or 'Vossoom.'

Arabic Numerals [E25 and V08]

English	zero	one	two	three	four	five	six	seven	eight	nine
	0	1	2	3	4	5	6	7	8	9
Arabic	sifr	wahid	itnien	talata	arba	khamisa	sitta	saba	tamanya	tissa
	٠	١	٢	٣	٤	٥	٦	٧	٨	٩

Chinese Number System:

[Particular attn to Yi/Yao pse].

0	Ling	Zero
1	Yi/Yao	One (It appears there is a radio version of Yao. On the telephone it is pronounced Yi; also heard in V16)
2	Er	Two
3	San	Three
4	Si	Four (The number four in Chinese is always unlucky, because it sounds the same as the word for death which is also pronounced 'Si' but with a different tone).
5	Wu	Five
6	Liu	Six
7	Qi	Seven
8	Ba	Eight
9	Jiu	Nine

Shi	Ten	Ba	One Hundred	Wan	One Thousand
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Chinese numeral construction:

For example:

San	Three
San Shi	Thirty. In English they are saying Three and Ten.
San Shi Jiu	Thirty Nine. In English they are saying Three, Ten and Nine.
San Bai	Three Hundred. In English they are saying Three and One Hundred.
San Wan	Three Thousand. In English they are saying Three and One Thousand.

SPECIAL MATTERS

Operation Jallaa:



MESSAGES:

'E' Many thanks your letters.

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>

2015						
Source: Vertes42.com						
January						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
February						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
March						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
April						
S	M	T	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	
May						
S	M	T	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
June						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				
July						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
August						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
September						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						
October						
Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
November						
Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					
December						
Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

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