

ENIGMA 2000 NEWSLETTER



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Antennae above the Hungarian Ministry of Foreign Affairs

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Changes to the ENIGMA 2000 Newsletter

There have been rumours circulated that the ENIGMA 2000 newsletter will cease production. Quite how these have started is a mystery; I received three emails asking about that situation. Two were from persons who have nothing to do with ENIGMA 2000 either as members or persons who pass logs to the main group. The third, sadly, is a casualty of others' actions.

The rumoured cessation is simply not true; however the NLDIST list, our email distribution list has closed and was going to be replaced with another, smaller, version but that too has been discontinued.

If non-members wish to read the newsletter it can be accessed at the ENIGMA 2000 website or via Ary's N&O. Both copies will, as per the past, be traits suppressed but will no longer have the Chart Section attached.

The Chart Section is the work of senior members who have willingly shared their analysis of their favoured stations; the copyright of that material remaining with the originator. The information available is the intellectual property of those contributors who are finding their work duplicated elsewhere without so much as any recognition, let alone actually being asked if it can be used.

This practice has driven the nail into the coffin of our wish to share quite so liberally.

The chart will be available to ENIGMA 2000 members only.

This is not the manner in which we wish to operate but plagiarism and the re- labelling of others' work and the possibility of certain originators withdrawing their charts has forced us to take this less than savoury approach to ensure the situation remains as normal for our members who support our group directly.

Please note: M89 logs and Polytones are now included in the Chart Section, available on our Group for members.

Morse Station Roundup

As always with ENIGMA 2000, we pride ourselves on monitoring, recording & studying all the stations that fall within the interest of the group. While the range of stations we follow is quite broad, our core interest is Number Stations & those of an intelligence or diplomatic nature.

We have made some changes to the format & layout of the newsletter from this issue. The Morse section will now consist of two parts. The main part will contain all the stations believed or suspected of being Number or intelligence related, while the second will be formed of the remainder of the Morse stations followed by ENIGMA 2000. The M89 station detail will be summarised within the column, with the full logs still available in the Charts section.

It is hoped that this will give a more structured & logical layout to the newsletter & enable those with particular interests to find information quickly & easily.

Morse - Number Stations

- M901 The rare event of a new ENIGMA ID allocation for a most interesting station discovered by Jean Paul (JPL) in January. We have the full story on this discovery - & the reasoning behind it's unusual ID number.
- UNID We have a particularly interesting report this time from an area of the world we have difficulty covering, but thanks to reports from Wilson (WP) in Guyana we are occasionally fortunate enough to be given an insights into signals received in that area.
- Wilson has come across some curious transmissions that, although having a definite format, are difficult to fit into any category of transmission with certainty. It has certainly caught our interest and we are hoping that this station will provide more logs. Thanks Wilson!
- M01 Before our usual set of logs, Guy (GD) shares some thoughts on this and other stations within the M01 group based on his long-tem monitoring of these stations.
- An unusual M01b transmission logged by Guy (GD) with a null msg on Jan 16.
- M03 A good variety of logs again this time from a number of different monitors. Many null msgs in evidence.
- M08a Our Cuban Desk has been burning the midnight oil & presents an excellent analysis of the relationship between call-ups & msg order. By going back over past logs & examining the sequences our Cuban Desk has managed to produce an excellent report on a previously missed feature these call-ups.
- M12 For the 3rd year running, M12 has operated a vastly reduced schedule from the start of the New Year, with only a few of the expected scheds appearing between 01 Jan & 08 Jan. We think we know why.
- Transmissions all returned to their expected, normal scheds with the exception of the Mon 1300z / Wed 1500z pairing that, after nearly four years has failed to appear from January 2014.
- Following on from our previous observations of some odd pairings in December, where msgs were repeated a day or two later, but on a different ID, we now have a new development. Fritz (FN) notes that the msg sent on the ID 124 sched on Tue 25 Feb was a repeat of that sent a week previously on the same sched. The ID 938 sched of Wed 26 Feb was also a repeat of the previous week's msg. This is most unusual as previously all msgs sent have been unique for these scheds.
- M14 An interesting & unusual technical failure was monitored by Richard (RNGB) on the 11 Feb as the msg appeared to get stuck on one number part-way through sending a 20 grp msg, repeating it continuously until the fault was cleared.
- M23 The scheds that had been sending '787' daily for 35 minutes on two parallel freqs at 2058z & 2158z, finally ceased its marathon transmissions on Jan 12, after almost completing a full month on the air. However, the characteristic hourly dashes were still being transmitted on at least one of the freqs used, & were ongoing on Feb 27.
- M24 Again from Richard (RNGB) an interesting intercept of a transmission with at least two msgs sent, but with many stoppages noted during sending.
- M45 No transmissions have been heard from M45, or its voice sister station S21 since the end of October. Although too early to be completely sure, it appears that both stations have now ceased.
- M97 Still monitored sending intermittently without any pattern over January & February - usually for two or three days in succession once it appears. The station is still sending msg SD 84 - a msg first aired on Fri 09 August 2013!

Morse Stations - Not Number related

- M51 Heard on the evening of Feb 28 sending msgs with 2014 year codes. Until recently 1986 dates were in use. Has this training station created some new msgs, or have they just updated their headers? The msgs sent on 28 Feb were using a 25 date code.
- M51a Usually very reliable, some of the M51a scheds failed to appear when monitored in January. Is M51a having some technical problems?.
- M89 From this issue we are featuring a new detailed summary layout for M89 in the column, with the full logs now in the Charts section.
- As usual there is much activity, with a larger than usual number of new freqs & call signs changing.
- In July a new call appeared of ASDF which we thought was an interesting, but possibly coincidental choice of letters, however, this call is now suspected of changing - to TYUI. Are M89 running short of ideas for their call letters? If you don't know what we are rambling on about, look down at your QUERTY keyboard layout.

Beacons We have a very full list of beacons, thanks mainly due to Ary's (AB) extensive logs of these stations.

Oddities

It's been a while since we featured a section on oddities, but there was so much of interest arising at the start of 2014, that we thought it would be a good time to catch up on some of our old favourites & feature some new strange signals, too.

Hybrid Station HM01

Schedule modification has been noted and can be seen in the Charts section of this newsletter. Sending continues much as before and well documented by our Cuban Desk [Thanks].

Voice Stations Round up

E06 Continues much as before; the obvious training nets still introducing distortion into their synthesised speech with the use of square waves as illustrated in a past newsletter.

E07 The usual schedules with the usual noise, weak or strong audio and strong carriers. Some messages passed.

E11, G11 and S11a

A mass of null and messages passed. An early 0315z E11 noted Wed/Thu with all sendings at excellent strength. G11 sendings down somewhat

E25 For reasons not understood Douglas' November/December 2013 report was omitted last time and is included ahead of January/February's excellent report from the Middle Eastern Desk. Apologies to all concerned for the omission.

G06 As usual, a good show of the German station.

S06/S06s

Expected schedules noted, some very strong into the UK

V02a Surprisingly noted in January 2014

V07 Good work by DanAr copying this station

Other irregularly reported voice stations

As reported [See V21 particularly].

Polytones

All schedules monitored with the previous unclassified Tue/Fri sending now designated as schedule 't'

Report from ENIGMA2000's German Branch (E2Kde) and the X06 team

Report from ENIGMA2000's German Branch (E2Kde) and the X06 team

Hallo liebe Freunde und Kollegen von E2Kde und dem X06 Team (Hello dear friends and colleagues of E2Kde and the X06 team)

At the beginning of 2014 we have one news from the German Branch and directly afterwards the X06 logs section as usual.

Transmission about S28 in German radio mentioning E2K

On January 30th, the German radio Dradio Wissen (internet channel of the German public station Deutschlandradio) brought a transmission about S28 in the series "Spielraum" (Play Room). For this I gave an interview to a journalist. This German "infotainment" contribution mentioned E2K as online group of numbers stations. Here's the link:

http://ondemand-mp3.dradio.de/file/dradio/2014/01/30/dradiowissen_der_buzzer_20140130_484a0b4a.mp3

X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20140112	Sun	1647	8194	151515	Peter/NL	X06a
20140114	Tue	1730-1740	7740	314265	TillmannE2Kde	Fair, G
20140123	Thu	1506	11561	[UNID]	tiNG	Tail end on new freq, then C36, R
20140126	Sun	1129-1130	16060	164532	Nicolas/FR	Good, M758
20140130	Thu	1120-1125	15676	231654	tiNG	Alert 2 (both S9) 1, R
20140130	Thu	1126-1133	16103	231654	tiNG	2.2, G
20140130	Thu	1405-1500	5800	123456	tiNG	Fair X06c
20140130	Thu	1505-1603	7730	123456	Fritz/CH, tiNG	X06c with S9
20140130	Thu	1608-1707	7855	123456	Fritz, tiNG	X06c with S9
20140130	Thu	1708-1830	10860	123456	PaulH, tiNG	X06c, S9, faded out at the end
20140203	Mon	0813-1031	20675	641523	Nicolas, DanielE2Kde	Very long, G
20140203	Mon	1112-1121	18750	641523	PaulH/UK	G
20140204	Tue	0805-0808	11081	125643	RNGB	Very rare scale (i. p.), G
20140207	Fri	1332	16276	314265	PaulH	G
20140209	Sun	1741	9163	145632	Peter/NL	G
20140210	Mon	0900-0903	13423	421635	RNGB	I. p., M759
20140210	Mon	1014	17470	216354	Peter/UK	S9+, R
20140210	Mon	1034-1038	11438	532614	tiNG	Strong, G
20140210	Mon	1241-1242	14683	364152	Nicolas	I. p., M760
20140217	Mon	0748	14825	641523	PaulH	New freq, R
20140218	Tue	0936-0941	20336	246531	PaulH	New freq, G
20140224	Mon	1242	15656	364152	MCO/US	G
20140227	Thu	1100-1155	4565	123456	Avare/RU	X06c
20140227	Thu	1327-1404	17495	123456	Peter, Danix	X06c with S9+
20140227	Thu	1716-1756	8100	123456	Danix, Jim, Nicolas	X06c
20140228	Fri	0847-0850	9288	356412	tiNG	Alert 2.1 S9, M761 (0852: C36)
20140228	Fri	0900-0906	9288	356412	tiNG	2.2 S9+, M762 (0907: C36)

Again much interesting stuff from some parts of Europe and the USA. Thanks to all contributors as usual.

Short outlook

On March 26th, a TV team from the French-German channel “ARTE” will come to Marburg to make an interview with me about numbers stations, where I will mention E2K(de) exclusively. The 5-minute contribution will be sent probably in June.

Till next issue I say “Auf Wiedersehen” and “Good-bye”

Jochen Schäfer, KopfE2Kde and X06 Teamkopf

Morse Stations

All frequencies listed in kHz. Freqs are generally +- 1k

This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments appended to this issue.

Allocation of New ENIGMA ID - M901

On Wed 29 Jan we allocated a new ID of M901 to a CW station. Briefly, after much discussion on the allocation of new IDs, we decided that the best way of managing possible new & unknown stations was to allocate a temporary holding ID to them.

This will enable us to examine and study stations for a period of time & prevent the need to change, cancel or remove assigned numbers where it is shown on examination that the station is either part of another designation or family, is a short-lived transmission, or proves after examination to be of no interest to ENIGMA 2000. The 900 series of IDs has been set aside for these holding IDs. Now onto the detailed logs & analysis of our newly designated M901:-

M901 - A new Morse allocation

A chance finding by Jean Paul (JPL) followed by some intensive monitoring by the Morse team has revealed an interesting station showing what appeared to be a an active & viable CW schedule. The station was sending regular fast msgs following a call-up on Mon, Wed & Sat. However, following three weeks of transmissions using the CW format, the station then failed to show on Sat 08 Feb, reappearing on the following Monday with a changed format where following a short CW exchange the msg was then sent using RTTY at 50/500.

First Report

Jean Paul was logging one of the M89 transmissions on a new freq of 16720kHz on Sat 18 Jan. when he caught the brief ending of a Morse transmission, sending QRU QRU SK SK..

Monitoring of the freq was started & we were rewarded on Monday 20 Jan with a full transmission, which although clearly received in the UK suffered with some QSB rendering a couple short sections difficult, one of which is the important ending, but it is confirmed as QRU QRU SK SK. Following this further regular transmissions were found on the same sched.

Although the ENIGMA Control List has shown a couple of possible matches, because of the lack of detail on these original stations along with the great length of time that has elapsed since the original allocations, it is not now possible to say whether the station is in any way connected to these earlier stations, & in the event it was thought best to allocate a new ENIGMA ID number to the station.

The new Control List definition is as follows;

M901 Temporary Holding ID (Station under investigation) Allocated 29 Jan 2014

Discovered in Jan 2014. 5f single grps using short Zero

Primary freq: 16720kHz Secondary freq: 19292kHz Other end of link: 20112kHz (Will often QSY to this freq)

Only known sched: 16720kHz 0810z Mon / Wed / Sat.

Sometimes has rptd msg on 19292kHz 5-1 0 mins later or will call up on this freq if contact was not made on the primary freq - 5 - 10 mins later.

Call-up & Ending sent slowly. Msg header & Msg grps Auto-sent extremely fast..

CW Format :

VVV KLM KLM KLM 1/50 Sent for 2 minutes. NW NW

Header consists of a 5f grp - Msg No. - GC - Date - Time Msg numbers are sequential.* Time is UTC

e..g. 00111 023 50 20 0810 == (Msg No. 23 GC 50 Date 20th Time 0810)

50 x extremely fast single 5f grps. ==

Ends with slower QRU QRU SK SK

The speed of the msg varies, but is always extremely fast. The call-up and ending, if not manually sent, appear to be manually keyed into the program as this varies considerably from day to day in both content and spacing, with some small variations present.

RTTY Format:

Short call-up using the KLM call in CW where a link is established with another CW station on 20112kHz. Once contact is established the station switches to RTTY at 50/500 and a short msg is sent. The contact is then ended with another short CW exchange.

e.g. 'KLM KLM KLM QSL1 QSL1 NW NW' [50 x 5 fig grps in RTTY 50/500] Ends with CW 'GB 73 SK'

Often the call request a change to the secondary freq of 20112kHz;

e.g. 'KLM KLM KLM QSY 20112 QSY 20112 QSY 20112' [5 fig grps in RTTY 50/500 sent on 20112 kHz] Ends with CW 'GB 73 SK'

Other Formats:

Possible use of F1A mode (FSK Morse telegraphy).

Possible use of 4 fig msgs.

Other Call signs

'APW' call was used before changing to 'KLM' on Sat 23 Feb.

* Some msg numbers are missing from the 16720kHz sched we are monitoring which would indicate that there is another sched somewhere, most likely on the days that 16720kHz is not active.

Logs of M901

16720	0800 - 0815z	20 Jan	00111 023 50 20 0810 == 52124 ... LG 31855 ==	QRU QRU SK SK	BR	MON
	0810 - 0815z	22 Jan	00111 025 50 22 0810 == 22255... LG .255 ==		BR/GD	WED
	0810 - 0815z	25 Jan	00111 027 50 25 0810 == 75848... LG 78682 ==		BR	SAT
	0810 - 0815z	27 Jan	00111 028 50 27 0810 == 25555... LG 55999 ==	Tx in FSK mode**	BR/GD	MON
	0810 - 0815z	29 Jan	00111 030 50 29 0810 == 31874... LG 74593 ==		BR/GD/JPL	WED
	0810 - 0815z	01 Feb	00111 032 50 01 0810 == 54549... LG 24049 ==		BR/GD	SAT
	0810 - 0815z	03 Feb	00111 033 50 03 0810 == 39534... LG 63156 ==		BR/GD	MON

All other days monitored & NRH

** F1A Mode? (FSK Morse telegraphy)

Ary (AB) had reported a log of the station on 19292kHz as heard on Tue 14 Jan by one of his N&O members Paul H, but we had been unable to confirm this until Wed 05 Feb when Brian (BR) found the freq active at 0820z with a repeat sending of the 16720kHz 0810z transmission .

16720/19292	0810/0820z	05 Feb	00111 035 50 5 0810 == 62310... LG 51858 ==		BR/GD	WED
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Change to RTTY 50/500

The expected sched failed to appear on Sat 08 Feb, then on Mon 10 Feb instead of the expected preamble there was a short CW exchange with an unheard station,

16720	0810z	10 Feb	KLM KLM KLM QSY 20112 QSY 20112 (Rpt) RTTY 50/500 (5f grps)	BR/GD	MON
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Call-up was repeated several times. The Morse was hand sent & poor quality. The Q was sent as an X, as it was the further phrase 'BK QRX K' The station then went into RTTY at 50bd (50/450) with a series of 5 fig grps, followed by a final CW exchange, 'NIL GB 88 SK' (Goodbye, love & kisses), presumably to a female Op.

16720	0810z	12 Feb	Short CW exchange 'QSL1 QSL1 NW NW'	RTTY 50/500	BR/GD	WED
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Due to poor sig strength the RTTY was unreadable. Following the RTTY a short CW sequence was sent ending 'NIL GB SK'

16720	0810z	15 Feb	'KLM KLM KLM QSY 20112 QSY 20112'	BR	SAT
20112	0815z	15 Feb	Brief CW exchange followed by RTTY 50/500 - Very weak	BR	SAT
16720	0810z	17 Feb	'KLM KLM KLM QSY 20112 QSY 20112'	BR/GD	MON
20112	0812z	17 Feb	Brief CW exchange followed by RTTY 50/500 - Weak	BR/GD	MON
16720	0815z	17 Feb	Presumed rpt of msg in RTTY 50/500. Ends CW 'V CFM GB 73 SK'	BR/GD	MON
16720 / 20112	0810z	19 Feb	Brief KLM call on 16720kHz. RTTY 50/500 msg on 20112kHz (Weak)	BR/GD	WED
16720	0810 - 0815z	22 Feb	'KLM KLM KLM QSY 20112 QSY 20112 QSY 20112 K' (R5)	BR/GD	SAT
	0815 - 0820z	22 Feb	'KLM KLM KLM QSY 18151 QSY 18151 QSY 18151 K' (R5)	BR/GD	SAT
19292	0825 - 0828z	22 Feb	'KLM KLM KLM QSY 20112 QSY 20112 QSY 20112 K' (R3) 'SK' (NRH on 20112kHz or 18151kHz - No contact made, no msg sent)	BR/GD	SAT

Note: The call 'APW' was used at the beginning of the call-up then switched to KLM. - Possibly another link or location. (GD)

16720	0810z	24 Feb	'KLM KLM KLM QSY 21111 QSY 21111 QSY 21111 K' (R5)	BR/GD	MON
	0815z	24 Feb	RTTY 50/500. Ends with CW 'OK 00111 058 200 CFM K NIL SK' (NRH on 21111kHz)	BR/GD	MON
16720/20112	0810z	26 Feb	'KLM KLM KLM QSA4' Stn on 20112kHz requested QSY 18650kHz	BR/GD	MON
18650/20112	0815z	26 Feb	RTTY 50/500 from 20112 (weak) then RTTY from 18650kHz 5 fig grps	BR/GD	MON

M901 16720kHz 0810z 20 Jan14

VVV KLM KLM KLM 1/50 (R2m)

NW NW

00111 023 50 20 0810 = =

52124 87757 82785 54876 15595 73213 50593 69954 52235 52442
50747 14952 53164 890 . . 66186 54629 46615 59423 83458 57955
85596 05266 57257 61292 55549 01555 33501 35746 28557 35150
55952 40455 69587 95045 21112 62164 35049 58613 94517 77471
79268 28964 93212 33223 85535 83862 15713 43633 22225 31855
= =

QRU QRU SK SK

Courtesy BR

This station is still in the early stages of investigation. Thanks to some additional reports from Ary & his N&O group, it appears that there may well be some other scheds & formats in use by this station, including one using 4 fig grps.

Thanks to Guy (GD) for his help in monitoring this station & to Ary (AB) at N&O for his help & additional logs.

Unidentified CW (UNID)

One monitor who occasionally reports by post is Wilson Persaud who resides in Vreed en Hoop, Guyana and uses a Sony ICF-2010 [2001 in the UK] with its rod antenna.

An ex GDF signaller he intercepted these originally in January, with a delivery of 25wpm, and searched around for a schedule.

Wilson wonders if these are internal transmissions on behalf of the Government towards Surinam. He also points out that Guyana has a mass of true jungle - the interior.

Sadly Wilson has no computer and the Mandir [temple] he visits has suffered a breakdown with theirs, so he is forced to report via airmail. It's interesting to note that Wilson regularly received E03 when he was posted to the Guyana Defence Force Barracks at Base Camp Stephenson, Timehri. He writes, 'I used to sit with a friend in the Airport Compound using a commercial receiver - I think a Philips - and a wire stretched out to the lighting pole for 'The Hole' a nearby rum shop. The SSB was resolved by beating the signal with the Oscillator of a small transistor radio. Weak but audible.

He also writes of drinking D'aguirs extra mature rum with icy tonic but that is another story.....

Initial log:

3231kHz 0110z rptd at 0140z 4051kHz on MON 06/01/2014
CT
VVV VVV VVV VVV VVV
020 020 020 020 020
020 020 020 020 020
020 020 020 020 020
01106 = = 3231 7496 1045 6774 5006 7254 = = 01406
01106 = = 3231 7496 1045 6774 5006 7254 = = 01406
0000 0000 AR

Followed by:

3231kHz 0110z 08/02 Strong
CT
VVV VVV VVV VVV VVV
020 020 020 020 020
020 020 020 020 020
020 020 020 020 020
01105 = = 5973 6476 6309 1385 4332 = = 01405
01105 = = 5973 6476 6309 1385 4332 = = 01405
0000 0000 AR

4051kHz 0140z 08/02 Very strong (groundwave?)
CT
VVV VVV VVV VVV VVV
020 020 020 020 020
020 020 020 020 020
020 020 020 020 020
01405 = = 5973 6476 6309 1385 4332 = = 20105
01405 = = 5973 6476 6309 1385 4332 = = 20105
0000 0000 AR

8121kHz 2010z 08/02 Fair
CT
VVV VVV VVV VVV VVV
017 017 017 017 017
017 017 017 017 017
017 017 017 017 017
20105 = = 5973 6476 6309 1385 4332 = = 20405
20105 = = 5973 6476 6309 1385 4332 = = 20405
0000 0000 AR

6771kHz 2040z 08/02 Strong. QRM
CT
VVV VVV VVV VVV VVV
017 017 017 017 017
017 017 017 017 017
017 017 017 017 017
20405 = = 5973 6376 6309 1385 4332 = = 12105
20405 = = 5973 6476 6309 1385 4332 = = 12105
0000 0000 AR

Wilson reports in his letter, received on the 24th February, that he is yet to hear more from this station.

This is an interesting station we have yet to classify; certain members views have been asked and the general consensus is either diplomatic or number station. All members asked [ex professional radio or intercept officers] have stated this and five out of six members move towards it being a new number station. Assuming we receive more logs we'll classify in due course.

Note the procedure - one member stated 'We were taught to commence with CT and the instructor used to laugh as he was keying CT. When asked why, he stated it was obsolete and only ever expected to copy it in the classroom. Obviously, with this at a continued 25wpm for around 150 to 180 seconds this is no training exercise.

Any ideas are welcomed.

Morse - Number Stations

M01/1 XIV MCW, hand (197 sched for Nov - Feb). Will change to M01/2 sched ID 463 for Mar - Apr.

The M01 family of stations has long been the subject of much discussion, particularly the regular M01 transmissions, that four times a week serve up an offering that can vary anywhere from chaotic & unreadable to faultless & perfect.

Our long-time monitor & Morse man Guy, (GD), shares his thoughts on this puzzling group of stations...

Thoughts about the M01 Family from Guy (GD)

I have been listening to M01 for many years, and have recently begun to wonder if it might be a training facility for the Russian Navy, as they still use Morse code for some communications.

It was first mentioned in the old Enigma Newsletter 7 in 1995, but is believed to have been active since the early 1970's.

I also understood from the old Enigma group that the location was Kaliningrad, but may possibly be Baltiysk where the Baltic Russian Navy is located, which is near Kaliningrad - the base of the Fleet Commanding Staff.

M01 is still hand sent, and has always used the same set of frequencies and times. The style of sending varies a lot as if there are many Ops. They also sometimes leave a pause in the call-up as if they are listening for the OK to send the message. There are also pauses in the message that has been suggested by a good friend of mine, could be an instructor giving advice.

I know that there is a two way transmission as there used to be a special transmission at the end of the month, when the message was only sent as single groups. Then at the end of transmission there was a pause, and some of the groups were repeated. Whoever was listening had missed a group and asked for it to be repeated.

M01b, is nowadays machine sent and the same message is repeated for several weeks. I think is used for advanced listeners receiving practice.

Not sure about M01c, but probably operational training. A similar transmission used to take place from M01 at the end of the month. It no longer does so but M01c transmissions are still reported, but are difficult to find as they have no regular skeds.

Here is an example of the end of month transmissions. Between each line of the message there is a pause of anything from 5 to 170 Seconds. It appears that it is waiting for a reply from outstations in these pauses. None of these replies have ever been logged. The message, although there is not always one sent is unusual, in that the groups are only sent once. The call up usually uses the call up is a 3 figure one but not the same as M01.

463 463 463 50481 50481 (This can be repeated up to 6 times)
 111 51962 51962 (This can be repeated up to 6 times)
 333 51028 51028
 020 18 23
 111 999
 558 37 = 37x5f = 558 37
 111 51179 53065 (Repeat of groups 15 and 25)
 111 000

Finally, M45 and S21. M45, sent very slowly, with the same message, sent for several weeks, was used for beginners.

S21 repeated the same message as M45, in Russian, so the beginners can check if they have received the message OK.

Both M45 and S21 have not been heard since the end of October 2013, and as time goes on it looks most likely that these stations have ceased. If these were used to train beginners, does this mean that there will not be any more Ops. trained? Also now that M01 is exhibiting better sending, are they now using the more experienced Ops. for that?

The only question that springs to mind if my thoughts are correct, is that if no more ops are being trained, will that also mean the end of M01 and M01b?

January 2014:

4490	2000z	02 Jan	'197' 557 30 ==	58748...	...LG 51511 ==	Strong, fast. Excellent CW. No errors	BR	THU
	2000z	09 Jan	'197' 410 30 ==	77028...	...LG 73428 ==	Fair, med-fast. Copy difficult at times	BR	THU
	2000z	14 Jan*	'197' 410 30 ==	70528...	...LG 73428 ==	Weak, med-fast.	BR	TUE
	2000z	16 Jan	'197' 001 30 ==	56046...	...LG 44371 ==	Fair, fast. Two noted errors. Excellent CW	BR	THU
	2000z	21 Jan	'197' 231 30 ==	88058...	...LG 97864 ==	Strong, moderate. Perfect with excellent CW	BR	TUE
	2000z	23 Jan	'197' 071 30 ==	12033...	...LG 25654 ==	Good, fast. Several errors noted	BR	THU
	2000z	28 Jan	'197' 530 30 =	65145...	...LG 92670 ==	Weak, med-fast. Grp17 67299 76299	BR/RNGB	TUE
	2000z	30 Jan	'197' 129 30 ==	86027...	...LG 28328 ==	Strong, v.fast. Numerous errors noted	BR	THU

5320	1800z	02 Jan	'197'	914 30 ==	61331...	...LG 51166	Fair, fast. Copy difficult at times	BR	THU
	1800z	07 Jan	'197'	716 30 ==	.....	...LG 59742? ==	Weak, fast. Very weak, mostly unreadable	BR	TUE
	1800z	09 Jan	'197'	121 30 ==	91636...	...LG =	Weak, med-fast. Very poor copy	BR/CB	THU
	1800z	14 Jan*	'197'	121 30 ==	91636...	...LG 15049 =	Strong, med-fast. With errors	BR/CB	TUE
	1800z	16 Jan	'197'	303 30 ==	87373...	...LG 3 .6 .0 ==	Fair decreasing to weak by EOM. Poor copy	BR	THU
	1800z	21 Jan	'197'	194 30 ==	57754...	...LG 65249 ==	Good, moderate. Perfect with excellent CW	BR	TUE
	1800z	23 Jan	'197'	710 30 ==	08202...	...LG 40710 ==	Fair, fast. Numerous errors noted	BR	THU
	1800z	28 Jan	'197'	218 30 ==	25402...	...LG 41429 ==	Good - weak decreasing. Very slow delivery	AB/BR/CB	TUE
	1800z	30 Jan	'197'	574 30 ==	. 9574...	...LG 83741 ==	Good, fast. Severe digital QRM. Poor copy	BR/CB	THU
5465	0700z	05 Jan	'197'	711 30 ==	11776...	...LG 70499 ==	Fair, med-fast. Grp21 83605 8365	BR	SUN
	0700z	12 Jan	'197'	419 30 ==	20128...	...LG 81990 ==	Good, fast. Several rpt errors noted.	BR/CHPA	SUN
	0700z	19 Jan	'197'	439 30 ==	63614...	...LG 96674 ==	Fair, fast. Errors with grp01. Excellent CW	BR	SUN
	0700z	26 Jan	'197'	876 30 ==	55906...	...LG 13279 ==	Good variable, very fast. With errors	BR	SUN
5810	1500z	04 Jan	'197'	101 30 ==	04855...	...LG 42040 ==	Strong, v.fast. Several rpt & spacing errors	BR/CHPA	SAT
	1500z	11 Jan	'197'	322 30 ==	4 . . . . .	...LG 52990 ==	Weak, fast. Very poor copy	BR	SAT
	1500z	18 Jan	'197'	134 30 ==	.....	... LG	Very weak. Unusable. Details via Twente	BR/Topol	SAT
	1500z	25 Jan	'197'	283 30 ==	39258...	...LG 51094 ==	Weak, fast. Copy difficult at times	BR/Topol	SAT

* Note that the msgs sent on Thu 09 Jan & Tue 14 Jan are the same. The 2000z msg appears to have had several grps changed, but this could be either errors made with the sending or with monitoring due to the poor reception on 09 Jan.

Repeating msgs is unusual, but not unknown. Previously M01 had not been known to repeat msgs, but in recent years there have been a few examples noted, the first logged being December 2010.

February 2014:

4490	2000z	04 Feb	'197'	695 30 ==	32560...	...LG 80390 ==	Strong, fast. Grps 17 & 18 sent once only	BR	TUE
	2000z	06 Feb	'197'	381 30 ==	54079...	...LG 16016 ==	Strong, med-fast. Excellent CW	BR	THU
	2000z	11 Feb	'197'	279 30 ==	47587...	...LG 26631 ==	Strong - fair decreasing. Fast. Excellent CW	BR	TUE
	2000z	13 Feb	'197'	174 30 ==	80373...	...LG 50529 ==	Fair, fast. Good CW. Copy difficult at times	BR	THU
	2000z	18 Feb	'197'	193 30 ==	53878...	...LG 05035 ==	Good, fast. Some grps run together.	BR	TUE
	2000z	20 Feb	'197'	810 30 ==	70792...	...LG 02192 ==	Strong, fast. Several errors noted	BR	THU
	2000z	25 Feb	'197'	224 30 ==	47360...	...LG 19306 / =	Good, med-fast. Numerous errors	BR	TUE
	2000z	27 Feb	'197'	331 30	16686...	...LG 17983 ==	Fair, fast. Good CW	BR	THU
5320	1800z	04 Feb	'197'	715 30 ==	10440...	...LG 88465 ==	Strong, med-fast. Grp03 sent once only	BR	TUE
	1800z	06 Feb	'197'	291 30 ==	86298...	...LG 55550 ==	Strong, slow. Good CW with no errors	BR/CB	THU
	1800z	11 Feb	'197'	098 30 ==	45413...	...LG 30974 ==	Good, fast. Several errors noted	BR	TUE
	1800z	13 Feb	'197'	325 30 ==	72942...	...LG 16267 ==	Good, fast. Excellent CW No errors	BR	THU
	1800z	18 Feb	'197'	787 30 ==	11204...	..... 52028....	Strong, fast. Ended abruptly after grp17	BR	TUE
	1800z	20 Feb	'197'	543 30 ==	93568...	...LG 28532 ==	Strong, fast. Excellent CW with no errors	BR	THU
	1800z	25 Feb	'197'	325 30 ==	35375...	...LG 89899 ==	Strong, med-fast. Strong mod carrier on freq	BR	TUE
	1800z	27 Feb	'197'	114 30 ==	1 . 28 ....	...LG =	Weak, fast. Very poor copy	BR	THU
5465	0700z	02 Feb	'197'	712 30 ==	54955...	...LG 79250 ==	Good, fast. Excellent CW	BR	SUN
	0700z	09 Feb	'197'	137 30 ==	41586...	...LG 45533 ==	Weak, fast. Excellent CW with errors	BR	SUN
	0700z	16 Feb	'197'	049 30 ==	97681...	...LG 70632 ==	Weak, fast. Difficult copy throughout	BR	SUN
	0700z	23 Feb	'197'		0 . . 73...	...LG =	Very Weak, Med-fast. Mostly unreadable	BR	SUN
5810	1500z	01 Feb	'197'	018 30 ==	67932...	...LG 45346 ==	Weak, fast. Poor copy due to weak sig & QSB	BR	SAT
	1500z	16 Feb	'197'	303 30 ==	99818...	...LG =	Weak, fast. Poor copy from grp21 to EOM	BR	SAT
	1500z	22 Feb	'197'	231 30 ==	72491...	...LG 2918 . =	Fair sig dropping to v.weak at grp11. Med-fast	BR	SAT

M01a (formerly end of month TXs, now random)

No Reports

M01b

An unusual event, a null msg from M01b logged by Guy (GD) on 16 January.

January 2014:

3160	2040z	16 Jan	'382'	504 30 =				GD	THU
3205	2015z	06 Jan	'375'	781 32 =	44900.....			RNGB	MON
3520	1910z	06 Jan	'853'	781 32 =	44900 21663 13905 50036 etc.			RNGB	MON
3545	1932z	09 Jan	'910'	781 32 =	44900 21663 13905 etc. (very weak)	No secondary heard		RNGB/JPL	THU
	1932z	16 Jan	'910' (R4) 000	No message				GD	THU
14796	0957 - 1007z	16 Jan	'597'	222 44 =	Single 5f grps Short zero (Remote tuner Siberia)			JPL	THU

February 2014:

2470	1934 - 1948z	27 Feb	'910'	856 29 =	61219 ... 01568 =	Fair (see transcript) (//3545kHz NRH)	JkC	THU
2485//3160	2042 - 2057z	27 Feb	'382'	856 29 =	61219 ... 01568 =	Fair //Fair	JkC	THU
5685	1611z (In call-up)	22 Feb	'894'	130 50 =	24036 03797... ..23767	(Remote tuner Finland)	JPL	SAT
14796	0957z	13 Feb	'597'	317 41 =	00646 60047....	Weak, fading (Remote tuner Siberia)	JPL	THU

M01b 5685kHz 1611z (In call-up) 20 Jan14
894 (R2) (In call-up)
130 130 50 50 BT BT (1613z)
24036 03797 55883 64886 49443
94693 14057 62277 48984 17365
85807 07194 76832 36965 68611
28827 39503 12164 49852 43359
90634 65236 84653 12647 79361
95459 17878 98609 44932 31745
09386 43907 93652 74350 69796
17703 91270 48852 51089 30980
87553 58112 01991 72055 17270
59391 52901 45303 11394 23767
BT BT
130 130 50 50 TTT
<i>Courtesy JPL</i>

M01b 2470kHz 1934z 27 Feb14
M01b 2485//3160kHz 2042z 27 Feb14 (with ID 382)
910 (R3)
856 856 29 29 = =
61219 81206 74954 82677 43206
34486 23607 80824 10455 78606
27828 00369 05609 66276 11373
52433 87034 45389 97152 66302
13442 66827 91629 37847 19671
64458 42444 43555 01568
= =
856 856 29 29 000
<i>Courtesy JkC</i>

M01c

No reports

M03 III ICW, some CW

January 2014:

4505	1320z 1320z	06 Jan 13 Jan	549/34 = 17007 63854 etc. badly keyed / (very weak)	HFD/RNGB HFD	MON
5358	1535 - 1553z 1535z 1535 - 1538z 1535 - 1538z	14 Jan 18 Jan 25 Jan 28 Jan	797/38 = = 49303 34827 6147 70358 .....26868 Very strong Sig. Twente SDR 797 38 = = 49303.....????? Fair 798/00 798/00	Elmar Topol BR/Topol BR	TUE SAT SAT TUE
13911	1420z 1420 - 1423z 1420 - 1423z 1420 - 1423z 1420z 1420 - 1423z	03 Jan 10 Jan 17 Jan 19 Jan 26 Jan 31 Jan	873/32 = 64281 53992 47234 71823.....44145 879/00 879/00 879/00 Fair 879/00 879/00	RNGB Gert/HFD/Topol BR Topol Gert BR	FRI FRI FRI SUN SUN FRI

February 2014:

4828	1320z 1115 - 1118z	09 Feb 12 Feb	430/36 (unable to copy groups – very, very weak!)	RNGB	SUN
			272/00 Very Weak QRM3	CHPA	WED
5358	1535 - 1553z 1535 - 1538z 1535 - 1538z 1535 - 1538z 1535 - 1538z	04 Feb 11 Feb 18 Feb 22 Feb 25 Feb	795/37 = = 55362 83135...LG 55750 = Fair Sig 798/00 = = 000 798/00 Weak 798/00 798/00 Fair	BR tiNG BR BR BR	TUE TUE TUE SAT TUE
13911	1420 - 1423z 1420z	02 Feb 09 Feb	879/00 879/00 Strong	BR RNGB	SUN SUN

M03c (Stutter groups)

No reports

M03d

No reports

M03e

No reports

M08a XVIII ICW / CW, some MCW

M08a continues to provide interest with the usual schedules remaining in place. In the last newsletter we reported that the transmissions were commencing 5 minutes prior to the top of the hour and had been doing so for several months. Within a couple of days of the last E2K newsletter being published this changed and the transmissions now start on the hour and have continued to do so. Is this just coincidence?

Some number sequences had been reported in some of the call-ups towards the end of 2013 and this eventually lead to a revelation regarding the call-ups that had been previously missed. (Analysis of this follows the logs). Some weekend and off schedule transmissions have also been reported and these are contained in the schedules posted elsewhere in the newsletter.

January 2014:

7554	2000z	02 Jan	[22031 45462 58781]	AnonUS	THU
	2000z	07 Jan	[22862 05112 18551] Order of call-ups unknown	AnonUS	TUE
	2000z	07 Jan	Strong	madcat	TUE
	2000z	21 Jan	[15522 28851 31372] Order not confirmed but should be as shown.	AnonUS	TUE
	2000z	23 Jan	[75561 88802 02222]	AnonUS	THU

8009	2300z	06 Jan	[-----]	Missed call-ups	AnonUS	MON
	2300z	20 Jan	[87122 00852 22282]		AnonUS	MON
8096	1400z	01 Jan	[30511 43842 57862]		AnonUS	WED
	1400z	02 Jan	[25301 37632 41151]		AnonUS	THU
	1400z	03 Jan	[----- 31101]		AnonUS	FRI
	1400z	06 Jan	[----- 63021-----]	Up late, missed call-ups	AnonUS	MON
	1400z	07 Jan	[----- 56601 -----]	Up 10 minutes late.	AnonUS	TUE
	1400z	08 Jan	[28431 32752 45181]		AnonUS	WED
	1400z	09 Jan	[05301 18732 22151]		AnonUS	THU
	1500z	09 Jan	12345 67890 repeated	with occasional 12345 67890 67890	AnonUS	THU
	1400z	12 Jan	[----- 18262 -----]	Came up 15 minutes after the hour.	AnonUS	SUN
	1400z	14 Jan	[25242 38401 42671]	Extremely weak.	AnonUS	TUE
	1400z	15 Jan	[----- 70161 -----]	Up late, found in progress.	AnonUS	WED
	1400z	21 Jan	[86622 00051 13371]		AnonUS	TUE
	1400z	22 Jan	[41172 81151 04582]		AnonUS	WED
	1400z	23 Jan	[61121 73851 86282]		AnonUS	THU
	1400z	24 Jan	[27441 31771 44102]		AnonUS	FRI
	1400z	27 Jan	[00011 13332 26661]		AnonUS	MON
	1400z	29 Jan	[--432 77131 84761]	Extremely weak	AnonUS	WED
	1400z	30 Jan	[-----]	Too weak to copy	AnonUS	THU
	1400z	31 Jan	[53671 66001 88532]		AnonUS	FRI
8097	1425z	07 Jan	Strong		madcat	TUE
8135	2300z	10 Jan	[44331 57661 61182]		AnonUS	FRI
	2300z	14 Jan	[62481 74131 07451]		AnonUS	TUE
	2300z	21 Jan	[65661 78102 02421]	Order not confirmed but should be as shown.	AnonUS	TUE
	2300z	24 Jan	[77022 01342 14671]		AnonUS	FRI
	2300z	28 Jan	[-----]	Up late too weak to copy	AnonUS	TUE
	2300z	31 Jan	[10821 23142 36572]		AnonUS	FRI

February 2014:

The Cubans were busy on Sunday 02 Feb with M08a which is unusual - as was one (and possibly both of the transmissions).

7554	2000z	04 Feb	[88212 -----]	Extremely weak, unable to copy the other call-ups.	AnonUS	TUE
	2000z	11 Feb	[----- -----]		AnonUS	TUE
	2000z	13 Feb	[----- -----]		AnonUS	THU
	2000z	18 Feb	[31531 44862 57281]		AnonUS	TUE
	2000z	20 Feb	[51471 64802 77231]		AnonUS	THU
	2000z	27 Feb	[06471 10801 23232]		AnonUS	THU
8009	2300z	03 Feb	[63241 85081 08312]		AnonUS	MON
	2300z	10 Feb	[07712 11241 34562]		AnonUS	MON
	2300z	17 Feb	[76722 80142 03471]		AnonUS	MON
8096	1400z	02 Feb	[----- -----]	Too weak to copy.	AnonUS	SUN
	1400z	04 Feb	[81572 02212 17232]		AnonUS	TUE
	1400z	05 Feb	[78262 82502 05821]	AnonUS	WED	
	1400z	07 Feb	[17742 21161 34502]	AnonUS	FRI	
	1400z	10 Feb	[53361 66681 78122]	AnonUS	MON	
	1400z	11 Feb	[73812 86241 08662]	AnonUS	TUE	
	1400z	18 Feb	[30422 43841 56271]	AnonUS	TUE	
	1400z	19 Feb	[83662 05081 18321]	AnonUS	WED	
	1400z	20 Feb	[50452 68781 76212]	AnonUS	THU	
	1400z	21 Feb	[----- -----]	Up late in progress. No call-ups.	AnonUS	FRI
	1400z	23 Feb	[18262 22501 35022]		AnonUS	SUN
	1400z	24 Feb	[68372 72601 84032]		AnonUS	MON
	1300z	25 Feb	[----- -----]	Found in progress at 1330z ended AR AR AR SK at 1334.	AnonUS	TUE
	1400z	25 Feb	[61312 84741 07162]		AnonUS	TUE
	1400z	26 Feb	[22062 45101 58522]		AnonUS	WED
	1400z	27 Feb	[13511 26842 30261]		AnonUS	THU
8097	1400z	12 Feb	[15351 28772 32111]		AnonUS	WED
	1400z	13 Feb	[----- -----]	Present but unable to copy.	AnonUS	THU
	1400z	14 Feb	[21851 35282 47621]		AnonUS	FRI
8097	1400z	25 Feb		Strong	SV	WED
8135	2300z	02 Feb	[----- 22501 80522]	Found unexpectedly in progress at 2306z.	AnonUS	SUN
			After AR AR AR SK at the end of TX call-ups [18262 22501 35022] started Immediately followed by messages. TX off at 2358z			
	2300z	07 Feb	[56671 68002 82341]		AnonUS	FRI
	2300z	04 Feb	[30311 43622 55061]		AnonUS	TUE
	2300z	11 Feb	[20151 33482 46712]		AnonUS	TUE
	2300z	13 Feb	[----- -----]	Present but unable to copy.	AnonUS	THU
	2300z	14 Feb	[73121 86452 08772]		AnonUS	FRI
	2300z	18 Feb	[62642 75061 88302]	Weak.	AnonUS	TUE
	2300z	21 Feb	[82521 05852 28271]		AnonUS	FRI
	2300z	23 Feb	[18262 22501 35022]		AnonUS	SUN
	2300z	24 Feb	[10401 23722 36151]		AnonUS	MON
2300z	25 Feb	[----- -----]	Present but no copy due to recording problem.	AnonUS	TUE	

M08a Call-up Analysis - From our Cuban Desk

Recently we noticed that the call-ups for M08a were showing some apparent sequences that we had not previously been aware of. Several years ago the schedules changed so that during the 3 minute preamble at the beginning of the hour there were no pauses between the three call-ups so you had to wait until the first call-up was transmitted 5 times to determine the actual message order for the transmission. We now see that the first digit of the call-ups is incremented upwards from call-up 1 to 3 although there are still some rules that apply.

1. The number 9 is rarely if ever used in the call-ups. (This has been known for several years now.)
2. If the sequence of 3 digits would have reached 9 then this number is skipped and 0 or 1 is used. 78X would be 780 or 781 8X0 would be 801 or 812
3. 5 is often skipped
4. 1 and 2 are sometimes skipped (034)

Surprised at how we had missed this, we took a look back through previous newsletters and found that this change actually occurred on or around June 1st 2012! A sampling of M08a logs with duplicates from May to August 2012 is shown below. 3 digit sequences after the call-ups indicate the first digit of each call-up in order. 3 digit sequences in red indicate that they follow the rules listed above.

Call-ups for May through August 2012:-

05 May [50062 78421 72462] 577	02 Jul [87871 01201 76141] 807	01 Aug [40122 26232 30562] 423
07 May [02302 38151 72712] 037	06 Jul [65712 41651 52481] 645	Out of sequence
07 May [04142 71431 01712] 070	08 Jul [73762 84402 07831] 780	01 Aug [25112 31132 14372] 231 see below
08 May [31541 84632 77251] 387	09 Jul [46701 57431 61852] 456	01 Aug [68251 72572 85011] 678
08 May [31541 84632 77251] 387	10 Jul [04731 17152 21581] 012	01 Aug [07372 11612 34031] 013
09 May [46131 71821 85371] 478	10 Jul [81732 11161 23482] 812	01 Aug [14372 25112 31132] 123
09 May [46131 71821 85371] 478	11 Jul [58281 72821 85242] 578	01 Aug [25112 31132 14372] 231
11 May [28452 46631 26241] 242	16 Jul [88252 08802 12222] 801	Same numbers as above
12 May [32161 41642 11152] 341	19 Jul [55161 72822 68481] 576	02 Aug [08271 22602 35031] 023
13 May [74302 86421 67031] 786	19 Jul [55161 68841 72822] 567	02 Aug [08271 22602 35031] 023
14 May [82361 28461 25802] 822	19 Jul [????? 23362 36601] ?23	03 Aug [03561 37621 47661] 034
15 May [11552 11472 52582] 115	19 Jul [17711 21242 34561] 123	03 Aug [03561 37621 47661] 034
18 May [22722 63211 20341] 262	19 Jul [60081 73322 86641] 678	03 Aug [41631 54052 66782] 456
18 May [85301 13511 13611] 811	19 Jul [17711 21242 34561] 123	03 Aug [40221 62061 75381] 467
18 May [83522 10102 51522] 815	19 Jul [73322 86641 60081] 786	05 Aug [00231 01071 24302] 002
18 May [57641 00041 15302] 501	Same sequence as below probably heard/reported in the wrong order.	06 Aug [12732 44462 57881] 145 still in sequence
18 May [57641 00041 15302] 501	19 Jul [60081 73322 86641] 678	06 Aug [35772 48111 52532] 345
19 May [73721 66402 11022] 761	20 Jul [87582 11821 24352] 812	06 Aug [38372 42601 64031] 346
20 May [80361 68532 42422] 864	20 Jul [72361 85682 08121] 780	06 Aug [37331 41652 54181] 345
21 May [44611 88001 26612] 482	20 Jul [63202 86531 50871] 685	06 Aug [38372 42601 64031] 346
21 May [54422 74072 14452] 571	20 Jul [84471 15211 28532] 812	07 Aug [70181 83422 06841] 780
21 May [54422 74072 14452] 571	20 Jul [87582 11821 24352] 812	07 Aug [70181 83422 06841] 780
22 May [37571 57131 35012] 373	20 Jul [84471 15211 28532] 812	07 Aug [66621 01251 ?1562] 60?
26 May [17532 43622 28162] 142	21 Jul [50332 62172 75501] 567	07 Aug [26231 30662 43081] 234
27 May [43022 26351 61121] 426	22 Jul [33621 54451 67782] 356	08 Aug [18122 22441 35772] 123
28 May [46580 78261 70512] 477	22 Jul [68572 72801 85230] 678	09 Aug [40561 51301 64632] 456
31 May [82145 51332 12336] 851	23 Jul [48051 62481 73121] 467	11 Aug [78512 50342 02072] 750
21 May [54422 74072 14452] 571	23 Jul [60322 73642 56081] 675	12 Aug [44532 64662 77802] 467
22 May [37571 57131 35012] 353	23 Jul [48051 62481 73121] 467	13 Aug [63712 83751 87772] 688
31 May [31001 57751 44422] 354	23 Jul [22852 ????? ???? ???	14 Aug [83451 05772 18112] 801
01 Jun [35782 46422 60752] 346	26 Jul [24462 37781 41222] 234	16 Aug [????? 53021 66342] ?56
01 Jun [73362 74782 80241] 778	27 Jul [62781 67890 12345] 661	16 Aug [66342 53021 31271] 653
01 Jun [15612 65582 15012] 161	(contains sequences 12345 67890	Other reported sequence above shows correct order.
01 Jun [64231 02272 32612] 603	28 Jul [45672 56322 60641] 456	17 Aug [12345 67890 12345]
02 Jun [96782 17522 21851] 912	29 Jul [57452 68182 82521] 568	Repeated 12345 67890
04 Jun [45012 67642 71062] 467	30 Jul [23771 44412 57841] 245	18 Aug [40711 50742 71582] 457
04 Jun [????? 68001 73021] ?67	30 Jul [72212 80632 13061] 781	19 Aug [38111 58152 61581] 356
04 Jun [41551 52301 65622] 456	30 Jul [28431 32752 45181] 234	20 Aug [45531 66261 70482] 467
04 Jun [78401 02722 15151] 701	31 Jul [74682 87122 01441] 780	20 Aug [47832 51261 63582] 456
04 Jun [41551 52301 65622] 456	31 Jul [58721 72152 85471] 578	20 Aug [22182 35421 47744] 234
04 Jun [78401 02722 15151] 701	31 Jul [58721 72152 85471] 578	21 Aug [00601 11431 24762] 012
04 Jun [48302 47262 87682] 448		21 Aug [????? 50521 63042] ?56
21 Jun [05152 60001 72731] 067		23 Aug [41182 62722 75641] 467
22 Jun [25531 38062 41381] 234		24 Aug [50282 63521 76842] 567
22 Jun [78641 82472 05402] 780		24 Aug [15561 26301 30632] 123
		25 Aug [73502 04232 17652] 701
		27 Aug [67461 70201 83532] 678
		27 Aug [62032 74361 07682] 670
		29 Aug [56142 60461 72701] 567
		29 Aug [87261 01582 14821] 801
		30 Aug [08002 35751 48182] 034

If we jump forward to a selection of call-ups from January/February 2014 we see that this rule continues and also holds true for the rare V02a transmissions.

[33831 46252 50581] 345	[20202 42832 55261] 245	[05301 18732 22151] 012
[23621 46152 50471] 245	[24332 46062 50401] 245	[21851 35282 47621] 234
[75021 86651 00082] 780	[45152 58571 61811] 456	[73121 86452 08772] 780
[87672 01111 13322] 801	[14062 27381 30621] 123	[76722 80142 03471] 780
[00352 13681 26012] 012	[76171 80412 02731] 780	[30422 43841 56271] 345
[34602 46021 60352] 346	[A 27211 38841 42372] V02 234	[31531 44862 57281] 345
[85852 18181 22512] 812	[30511 43842 57862] 345	[62642 75061 88302] 678
[88451 02771 15212] 801	[25301 37632 41151] 234	[83662 05081 18321] 801
[00511 13842 36261] 013	[22031 45462 58781] 245	[50452 68781 76212] 567
[26602 38032 42351] 234	[22862 05112 18551]	[51471 64802 77231] 567
[61151 74472 87811] 678	Order of call-ups unknown but should be 05112 18551 22862 it seems	[82521 05852 28271] 802
	[28431 32752 45181] 234	[18262 22501 35022] 123

There's always something new to learn it seems. - Cuban Desk

Many thanks to our Cuban Desk for some top class work & analysis.

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

To be read in conjunction with Brian's included monthly charts. 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.

M12 scheds got off to a sluggish New Year with most of the regular scheds, which had continued unchanged throughout the Christmas period, ceasing for over a week in the New Year before resuming full transmissions on 09 Jan 2014.

The station shut down its operations in a similar way both in 2012, & 2013, and it was noted that, as in 2013, the station resumed full service again on 09 Jan, presumably no coincidence.

Under Soviet rule, celebrating the Russian Orthodox Christmas was banned, but is now gaining huge popularity again. Under the Orthodox system, Russians celebrate Christmas Day on January 07, using the Gregorian calendar - which corresponds to December 25 in the Julian calendar.

In October 2012, Russian Prime Minister Dmitry Medvedev signed a decree that added additional holidays to the Russian calendar.

Russians now have a 10 day New Year break starting December 30 and ending the day after the Russian Orthodox Christmas Day on January 08.

So it seems we have the answer both for the greatly reduced scheds, and for the return of all transmissions on 09 January.

Between 01 - 08 Jan inclusive, only 6 scheds were transmitted out of an expected 20, and of those that did appear 5 were null transmissions. So only one msg was transmitted in this eight day period. The details of these scheds are as follows:-

Day	Date	Freq	Call ID	Time	DK GC
Wed	01 Jan	5361/4461/- - -	340	2200/2220/2240z	000
Thu	02 Jan	5284/5785/- - -	277	0730/0750/0810z	000
Thu	02 Jan	13369/14669/15969	369	1010/1030/1050z	000
Sat	04 Jan	5838/7438/- - -	842	0600/0620/0640z	000
Sun	05 Jan	13369/14669/15969	369	1010/1030/1050z	1470 67
Mon	06 Jan	4457/5157/---	417	0530/0550/0610z	000

January 2014:

4457/5157/---	0530/0550/0610z	06 Jan	417 000		FN	MON
	0530/0550/0610z	13 Jan	417 000		FN	MON
	0530/0550/0610z	20 Jan	417 000		HFD	MON
	0530/0550/0610z	27 Jan	417 000		FN	MON
5284/5785/---	0730/0750/0810z	02 Jan	277 000		FN/HFD	THU
	0730/0750/0810z	09 Jan	277 000		FN	THU
	0730/0750/0810z	16 Jan	277 000		CHPA/FN	THU
	0730/0750/0810z	23 Jan	277 000		FN	THU
	0730/0750/0810z	30 Jan	277 000		FN	THU
5361/4461/4061	2200/20/40z	01 Jan	340 000		HFD	WED
	2200/20/40z	08 Jan	340 000		FN	WED
	2200/20/40z	15 Jan	340 000		FN	WED
	2200/20/40z	22 Jan	340 1 (3953 85) 31656...		FN	WED
	2200/20/40z	29 Jan	340 000		FN	WED
5838/7438/---	0600/20/40z	04 Jan	842 000		FN	SAT
	0600/20/40z	25 Jan	842 1 (3953 85) 31656... 3rdfrequency, maybe 9238?		FN	SAT
8047/6802/5788	1700/20/40z	15 Jan	463 1 (3014 86) 05830...		FN/HFD/Jan	WED

9176/7931/6904	1700/20/40z	09 Jan	257 1 (8143 78)	32754...		FN/HFD	THU
	1900/20/40z	09 Jan	257 1 (1513 50)	14240...		FN	THU
	1700/20/40z	13 Jan	257 1 (2855 74)	07197...		FN	MON
	1800/20/40z	13 Jan	257 1 (8273 54)	96805...	9176kHz NRH OTHR QRM	FN	MON
	1900/20/40z	13 Jan	257 1 (841 58)	45615...	9176kHz NRH OTHR QRM	FN	MON
	1700/20/40z	16 Jan	257 1 (9771 98)	06107...		FN	THU
	1900/20/40z	16 Jan	257 1 (2002 50)	00307...		FN/HFD	THU
	1700/20/40z	20 Jan	257 1 (3354 76)	39516...		FN/Elmar	MON
	1800/20/40z	20 Jan	257 1 (3369 70)	69693...		FN	MON
	1900/20/40z	20 Jan	257 1 (6695 103)	96674...	V.weak signal 9176Khz - weak 7931kHz	FN	MON
	1700/20/40z	23 Jan	257 1 (17784 76)	29341...	Weak signal 9176kHz	FN	THU
	1900/20/40z	23 Jan	257 1 (3985 45)	98047...		FN	THU
	1700/20/40z	27 Jan	257 1 (4393 80)	08269...		FN	MON
	1800/20/40z	27 Jan	257 1 (4982 62)	62912...		FN	MON
	1900/20/40z	27 Jan	257 1 (4033 105)	39228...		FN/Gert	MON
	1700/20/40z	30 Jan	257 1 (3227 83)	55150...		FN/Topol	THU
	1900/20/40z	30 Jan	257 1 ( . . . . . )	. . . . .	9176kHz NRH, - 7931 & 6904kHz v.weak	FN	THU
10343/9264/8116	1700/20/40z	09 Jan	124 1 (1290 73)	64988...		FN/HFD	THU
	1800/20/40z	09 Jan	124 1 (6193 108)	00818...	V.weak 10343kHz - weak 9264kHz	FN	THU
	1830/1830/1910z	14 Jan	124 1 (1803 52)	717	10343 & 9264kHz v.weak, 9264kHz weak	FN/HFD	TUE
	1700/20/40z	16 Jan	124 1 (8687 72)	80606...		FN	THU
	1800/20/40z	16 Jan	124 1 (841 58)	45615...		FN	THU
	1700/20/40z	23 Jan	124 1 (9382 72)	48746...	V.weak 10343kHz - weak 9264kHz	FN	THU
	1840/20/40z	23 Jan	124 1 (4247 109)	81101...	V.weak 10343kHz - weak 9264kHz	FN	THU
	1700/20/40z	30 Jan	124 1 (3577 78)	59616...		FN	THU
	1800/20/40z	30 Jan	124 1 (4980 101)	88291...		FN/Topol	THU
11435/10598/9327	1600/20/40z	13 Jan	938 1 (4065 120)	71885...		FN/HFD	MON
	1830/1850/1910z	15 Jan	938 1 ( . . . . . )	. . . . .	11435kHz NRH - 10598 & 9327kHz v.weak	FN/HFD	WED
	1600/20/40z	20 Jan	938 1 (2233 107)	09203...		FN	MON
	1600/20/40z	27 Jan	938 1 (3255 120)	79609...		FN	MON
13369/14669/15969	1010/30/50z	02 Jan	369 000			FN/HFD	THU
	1010/30/50z	05 Jan	369 1 (1470 67)	44724...		FN/Gert	SUN
	1010/30/50z	09 Jan	369 000			FN	THU
	1010/30/50z	12 Jan	369 000			FN/tiNG	SUN
	1010/30/50z	16 Jan	369 000			FN	THU
	1010/30/50z	23 Jan	369 1 (8251 93)	30723...		FN	THU
	1010/30/50z	30 Jan	369 000			FN	THU
13386/12189/11491	1600/20/40z	09 Jan	725 1 (3319 101)	04209...		FN/HFD	THU
	1600/20/40z	16 Jan	725 1 (7851 113)	88182...		FN	THU
	1600/20/40z	23 Jan	725 1 (4851 104)	43643...	12189kHz QRM OTHR	FN	THU
	1600/20/40z	30 Jan	725 1 (4854 118)	07122...		FN	THU

M12 13369kHz 1010z 05 Jan14

369 369 369 1 (R2)

1470 67 1470 67

44724 87419 33173 12783 47955
09888 95752 03862 35349 59340
85363 56072 46603 10778 24777
17238 35289 35611 56581 26346
80010 93781 04569 00862 95240
30426 53226 72621 96435 07658
21822 38947 91719 93680 40868
32625 01512 03077 76680 29107
64714 19670 22275 61518 99567
05792 66285 52191 00587 63194
97477 74142 65400 54956 53852
06609 09030 86958 48762 80128
56997 69660 67168 66243 18243
55369 64513

000 000

Courtesy Gert

M12 9176kHz 1700z 30 Jan14

257 257 257 1 (R2)

3227 83 3227 83

55150 86934 85409 56470 37599
32594 57179 14151 72173 53617
62830 11312 58612 28399 67541
59584 93562 22809 68795 81906
55184 62557 50393 91905 34825
87354 58503 78691 51708 06972
31237 29967 18413 81798 71588
24034 40822 28167 31312 17067
39453 86745 42750 29229 19032
92989 89750 99764 90452 00626
51107 93501 46581 20094 17004
98616 87545 74737 96923 69178
78798 05095 09181 58680 27449
17326 67295 06765 03295 14843
70372 18710 49205 50967 28392
79160 79553 66357 51497 03497
28575 49286 41839

000 000

Courtesy Topol

February 2014:

Following on from our observations of msgs of some odd pairings in December, where msgs were repeated a day or two later, but on a different ID, Fritz (FN) notes that the msg sent on the ID 124 sched on Tue 25 Feb was a repeat of that sent a week previously on the same sched. The ID 938 sched of Wed 26 Feb was also a repeat of the previous week's msg. This is most unusual as previously all msgs sent have been unique & appears to show a change in the behaviour of this station.

4617/5317/---	0530/0550/0610z	03 Feb	638 000		FN/HFD	MON
	0530/0550/0610z	10 Feb	638 000		FN	MON
	0530/0550/0610z	17 Feb	638 000		FN	MON
	0530/0550/0610z	24 Feb	638 000		FN	MON
5429/4929/---	2200/20/40z	05 Feb	460 000		FN	WED
	2200/20/40z	12 Feb	460 1 (6226 99)	85955...	FN	WED
	2200/20/40z	19 Feb	460 000		FN	WED
	2200/20/40z	26 Feb	460 000		FN	WED
5884/6884/---	0730/0750/0810z	06 Feb	888 000		FN	THU
	0730/0750/0810z	13 Feb	888 000		FN/HFD	THU
	0730/0750/0810z	20 Feb	888 000	Very weak signal on both freqs.	FN	THU
	0730/0750/0810z	27 Feb	888 000		FN	THU
7637/9137/10237	0600/20/40z	01 Feb	612 000		FN	SAT
	0600/20/40z	08 Feb	612 000		FN	SAT
	0600/20/40z	15 Feb	612 1 (6226 99)	85955...	FN/HFD	SAT
	0600/20/40z	22 Feb	612 000		FN	SAT
8047/6802/5788	1700/20/40z	05 Feb	463 1 (9283 45)	40751...	FN	WED
	1700/20/40z	12 Feb	463 1 (1216 56)	12190...	FN	WED
	1700/20/40z	19 Feb	463 1 (5977 94)	04686...	FN	WED
	1700/20/40z	26 Feb	463 1 (2856 57)	16331...	FN	WED
8062	1330z	20 Feb	104 1 (407 65)	Previously unknown sched	westt1us	THU
9162/8062/---	1310/30/50z	22 Feb	104 000		BR	SAT
	1310/30/50z	27 Feb	104 000		FN	THU
9176/7931/6904	1700/20/40z	03 Feb	257 1 (3892 76)	15609...	FN	MON
	1800/20/40z	03 Feb	257 1 (2690 44)	20584...	FN	MON
	1900/20/40z	03 Feb	257 1 (4801 112)	75467...	FN	MON
	1700/20/40z	06 Feb	257 1 (9489 90)	06541...	FN	THU
	1900/20/40z	06 Feb	257 1 (7635 53)	73669...	QRM CIS tactical Morse stn on 6904kHz	THU
	1700/20/40z	10 Feb	257 1 (8675 70)	58445...	FN	MON
	1800/20/40z	10 Feb	257 1 (4249 43)	76099...	FN	MON
	1900/20/40z	10 Feb	257 1 (4671 109)	99635...	FN	MON
	1700/20/40z	13 Feb	257 1 (1570 94)	95085...	FN	THU
	1900/20/40z	13 Feb	257 1 (4994 57)	98253...	FN	THU
	1700/20/40z	17 Feb	257 1 (9783 73)	32776...	FN	MON
	1800/20/40z	17 Feb	257 1 (4986 46)	36066...	FN	MON
	1900/20/40z	17 Feb	257 1 (5886 110)	78813...	FN	MON
	1700/20/40z	20 Feb	257 1 (6355 70)	79957...	FN	THU
	1900/20/40z	20 Feb	257 1 (3668 68)	14813...	QRM CIS Morse station on 7931kHz	THU
	1700/20/40z	24 Feb	257 1 (6089 80)	48677...	FN	MON
	1800/20/40z	24 Feb	257 1 (6413 44)	21654...	FN	MON
	1900/20/40z	24 Feb	257 1 (1394 112)	71907...	FN	MON
	1700/20/40z	27 Feb	257 1 (1484 69)	32782...	FN	THU
	1900/20/40z	27 Feb	257 1 (9055 56)	43041...	FN	THU
10343/9264/8116	1830/1850/1910z	04 Feb	124 1 (5722 52)	14080...	FN	TUE
	1800/20/40z	06 Feb	124 1 (8100 100)	11772...	FN	THU
	1830/1850/1910z	11 Feb	124 1 (5797 52)	84391...	FN	TUE
	1700/20/40z	13 Feb	124 1 (9825 73)	36251...	FN	THU
	1800/20/40z	13 Feb	124 1 (8246 102)	25430...	FN	THU
	1830/1850/1910z	18 Feb	124 1 (887 49)	96601...	FN	TUE
	1700/20/40z	20 Feb	124 1 (7156 79)	01421...	FN	THU
	1800/20/40z	20 Feb	124 1 (7272 119)	12109...	FN	THU
	1830/1850/1910z	25 Feb	124 1 (887 49)	96601...	Repeat of 18 Feb 1830z !	TUE
	1700/20/40z	27 Feb	124 1 (8467 78)	44730...	FN/JkC	THU
	1800/20/40z	27 Feb	124 1 (3361 107)	13866...	FN	THU
11435/10598/9327	1600/20/40z	03 Feb	938 1 (1488 102)	76348...	FN	MON
	1830/1850/1910z	05 Feb	938 1 (9258 69)	87187...	FN	WED
	1600/20/40z	10 Feb	938 1 (1547 103)	29609...	FN	MON
	1830/1850/1910z	12 Feb	938 1 (3910 67)	29942...	FN	WED
	1600/20/40z	17 Feb	938 1 (9122 117)	20159...	FN	MON
	1830/1850/1910z	19 Feb	938 1 (515 61)	26060...	FN	WED
	1600/20/40z	24 Feb	938 1 (9472 102)	32230...	FN	MON
	1830/1850/1910z	26 Feb	938 1 (515 61)	26060...	Repeat of 19 Feb 1830z	WED
13386/12189/11491	1600/20/40z	06 Feb	725 1 (7504 117)	85865...	FN	THU
	1600/20/40z	13 Feb	725 1 (7675 120)	34414...	FN	THU
	1600/20/40z	20 Feb	725 1 (7279 100)	85686...	FN	THU
	1600/20/40z	27 Feb	725 1 (3273 104)	05711...	FN	THU

13569/14869/16270	1010/30/50z	02 Feb	582 000			FN	SUN
	1010/30/50z	06 Feb	582 1 (2169 77)	91646...		DoK/FN	THU
	1010/30/50z	13 Feb	582 000			FN/HFD	THU
	1010/30/50z	16 Feb	582 000			FN	SUN
	1010/30/50z	20 Feb	582 1 (927 89)	49960...	Call-up aborted and repeated on 13569kHz	FN	THU
	1010/30/50z	27 Feb	582 000			FN	THU

M12a (two message variant)
No Reports

M14 IA MCW / ICW / MCWCC, short 0

January 2014:

7578 / 6769	1700 / 1800z	03 Jan	269 00000		RNGB	FRI
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February 2014:

Richard (RNGB) reports M14 experiencing problems on Tue 11 Feb; *'besides being late this evening at 1821z on 4636MCW got stuck halfway through group 16 sending 5s continuously. After about a minute the problem was detected and sending stopped. Then restarted at group 16 and continued uneventfully to the end.'*

4636	1821z	11 Feb	186 (409 020) = =	64424 .....55743	(Tech problem - See transcript)	RNGB	TUE
5380	1801 - 1819z	19 Feb	636 (701 83) = =	92925 ... 37433	Strong (See transcript) 17w.p.m.	JkC	WED
5779	0500 - 0504z	17 Feb	681 00000			westt1us	MON
5785	0700 - 0704z	11 Feb	178 00000	Strong	QRM3	CHPA	TUE
5788	0500 - 0504z	03 Feb	681 00000			westt1us	MON
7578 / 6769	1700 / 1800z	07 Feb	269 00000	MCW		RNGB	FRI

M14 4636kHz 1821z 11 Feb 14

186 (R3) 409 409 020 020 = =

64424 26474 67402 35937 60873
91361 04941 95754 13562 44397
68496 02516 46522 31813 67342
535555555...

Got stuck. Restarted with...

53553 75587 65485 98807 55743
= =
409 409 020 020 00000

Courtesy RNGB

M14 5380kHz 1801z 19 Feb 14 (all groups sent twice)

636 (R3) 701 701 83 83 = =

92925 85056 11467 97599 48678 90126 52621 03696 88714 70264
26440 05128 91047 25279 55667 09037 34536 37722 69342 17052
84425 94341 78826 49034 30330 69747 64852 22101 00094 89461
61552 14508 97967 14559 48397 69091 40541 15074 85979 15936
88866 24362 56584 18982 00206 91610 95480 76230 47856 74680
23876 28268 82466 40462 19466 54759 33302 64947 85521 63633
72887 50188 04446 02620 93465 00341 86741 47845 68708 23978
51329 49163 99123 54864 98147 36907 64585 08363 58980 19766
32437 15690 37433 = =
701 701 83 83 00000

Courtesy JkC

M14a (two message variant)
No reports

M23 O ICW

In the last newsletter, we reported on the transmissions, first discovered on 13 Dec 2013, (confirmed on both freqs & times on 15 Dec), sending the same call, '787' continuously at both 2058z & 2158z for 35 minutes each time, on a daily schedule.

As number stations pay no attention whatsoever to our deadlines, so we had to leave our station still transmitting daily to an unknown recipient, (or recipients), as the newsletter was put to bed at the end of 2013.

The sched continued to transmit though Christmas & into the New Year daily without any gaps, and we take up the story again into 2014. The main daily logs from 2013 are included for continuity..

3659//3961	2058 - 2134z	15 - 31 Dec 2013	'787' (R35)	Daily	Fair - Very Strong Variable	BR/PLdn
	2158 - 2234z	15 - 31 Dec 2013	'787' (R35)	Daily	Fair - Very Strong Variable	BR/PLdn/RNGB
3659//3961	2058 - 2134z	01 - 12 Jan 2014	'787' (R35)	Daily	Fair - Very Strong Variable	BR/HJH/HFD/JPL/PLdn
	2158 - 2234z	01 - 12 Jan 2014	'787' (R35)	Daily	Fair - Very Strong Variable	BR/FN/PLdn

The hourly 'dashes' we have come to associate with active freqs of this station were also present, and in addition PLdn noted that several dashes were also sent on 3659kHz three minutes before the transmissions commenced.

There was some slight time creep on the transmission times. By Jan 10 the times were logging at H+57 start & ending at H+34.

The transmissions continued until Sun 12 Jan. On Mon 13 Jan the station failed to appear, although the hourly dashes continued & were still present & ongoing on Feb 27 on 3659kHz.

On Tue 28 Jan Richard (RNGB) found this one in progress... ..Unfortunately, it failed to reappear despite monitoring on subsequent days.

6737	1604 (IP) - 1610z	28 Jan	'257' (R)	RNGB	TUE
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PoSW offers the last word on M23 for 787 with, "I noticed that the M23 sending "787" inside the 80 metre amateur band reported in E2K80 was still active in January; 3-Jan-14, Friday, 2112 UTC 3,659 kHz, slow CW sending "787" over and over, S9 to S9+ signal. Was still on at 2127 UTC when I tuned away to check the 2130 UTC E06. Had gone when I tuned back to 3,659 at 2140 UTC. However, I had left the receiver on frequency and realised a few minutes after 2200 UTC that it had started up with "787" again. "This must be important to someone!"

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

5093	1937 (IP) - 1945z	17 Feb	(457 102)	...19702 457 102 00000	Strong signal, fast sending.	RNGB	MON
9463	0737z (IP)	05 Feb	801 (563 19) = 23600 83286.....41833			RNGB	WED
			801 (974 32) = 96919 85595 89556 27709.....61651				
			At least two msgs sent. Many stoppages, guess it's just a training net?				

M24a (two message variant)
No reports

M45/2 XIV MCW, hand (555 sched for Sept - Oct). Will change to M45/1 sched ID 525for Nov - Feb

No transmissions have been heard from M45, or its voice sister station S21 since the end of October. Both stations appear to have now ceased.

M94 CW, MCW, partner station to V24 Virtually unheard in Europe so we rely on our American monitors
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 has been quite variable over the winter season.

M87 is still sending msg SD 84, the same message it has been sending intermittently now since August 09 2013.

10375	1458 - 1519z	21 Jan	SD84 SN58	Good Sig Via Twente.	Fair into S.E. UK	BR/GD	TUE
	1458 - 1519z	22 Jan	SD84 SN58	Good Sig Via Twente.		BR/JPL	WED
	1458 - 1519z	23 Jan	SD84 SN58	Fair Sig Via Twente.		BR	THU
	1458 - 1519z	12 Feb	SD84 SN58	Good Sig Via Twente.		BR	WED
	1458 - 1519z	13 Feb	SD84 SN58	Good Sig Via Twente.		BR	THU
	1458 - 1519z	24 Feb	SD84 SN58	Fair sig into S.E. UK		BR	MON
	1458 - 1519z	25 Feb	SD84 SN58	V.strong via GlobalTuners Hong Kong		BR	TUE
	1458 - 1519z	26 Feb	SD84 SN58	V.strong via GlobalTuners Hong Kong		BR	WED

Morse Stations - Not Number Related

M18 IC Time strings, UTC+4
No Reports

M51 XIX

Note the new year code found in use of Feb 28. Do we have some new msgs at last or have they just updated the headers? Unfortunately, the date code in use was 25, & not 28.

3092	1928 (IP) - 2230z+	28 Feb	NR 55 F 25 20:29:27 2014 BT (5 ltr grps) etc.	Note: Msgs dated 2014 (But date code of 25)	BR	FRI
3164	1925 (IP) - 2335z +	22 Jan	NR 11 J 22 20:25:46 1986 BT (5 ltr grps) etc.		BR	WED
	0150 (IP) - 0200z +	30 Jan	NR 08 J 30 02:50:41 1986 BT (5 ltr grps) etc.		BR	THU
3748	2045 (IP) - 2100z +	14 Feb	NR 67 F 22 11 21:45:51 1986 BT (5 ltr grps) etc.		BR	FRI
6825//3881	1312 (IP) - 1400z	13 Jan	NR 03 J 13 14:24:59 1986 BT (5 ltr grps)		BR	MON
			NR 04 J 13 14:31:12 1986 BT (5 ltr grps) etc.		BR	MON
	1221 (IP) - 1229z	15 Jan	NR 80 J 15 13:27:23 1986 BT (5 ltr grps)	Ceased for M51a but NRH (See note below)	BR	WED
	1307 - 1455z	15 Jan	NR 81 J 15 14:08:58 1986 BT (5 ltr grps) etc.		BR	WED
	1152 (IP) - 1229z	16 Jan	NR 31 J 16 12:55:54 1986 BT (5 ltr grps) etc.	Ceased for M51a	BR	THU
	1330 (IP) - 1500z +	19 Jan	NR 12 J 15 14:32:21 1986 BT (5 ltr grps) etc.		BR	SUN
	1810 (IP) - 2330z +	25 Jan	NR 63 J 22 19:13:10 1986 BT (5 ltr grps) etc.		BR	SAT
8016	0700z (IP)	05 Feb	(5 ltr Grps) In progress msgs with NR headers		westt1us	WED

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

3881//6825

1230z	13 Jan	NRH					BR	MON
1230 - 1300z	14 Jan	Mardi-Lecon	12-1/1 Codé	12-1/2 Clair,	12-1/3 Codé,	12-1/4 Clair (600 grps/hr)	BR	TUE
1230z	15 Jan	NRH	(See note below)				BR	WED
1230 - 1255z	16 Jan	Jeudi-lecon	14-1/1 Codé	14-1/2 Clair,	14-1/3 Codé,	14-1/4 Clair (840 grps/hr)	BR	THU
1230 - 1303z	17 Jan	Vendredi-Lecon	15-1/1 Codé	15-1/2 Clair,	15-1/3 Codé,	15-1/4 Clair (840 grps/hr)	BR	FRI

On Wed 15 Jan, M51 was heard in progress on the two // freqs, ceasing abruptly at 1229z. This has been logged before & usually signals that the freqs have been Cleared for the M51a daily sched. However, the freq remained silent & no transmission was sent. Then just as abruptly M51 resumed transmissions at 1307z.

On 31 Jan, the transmission ceased part way through one of the lessons & failed to reappear for the rest of the schedule.

Usually a reliable station, is M51 experiencing equipment failures that have prevented the regular transmissions being aired?

M89 O

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

Operator Chat from M89

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

3333	4123	5111	6212	7097	9053	10299
3624	4137	5166	6216	7777	9081	10405
3742	4444	5515	6802	7778	9140	10350
3837	4635	5522	6636	7788		10568
	4672	5555	6666			10596
	4708	5656	6746	8073		10617
	4709	5743	6794	8888		
	4773	5821	6722			
			6847			
			6953			

New Scheds for Jan / Feb 2012:

From logs submitted by JPL

3300//NRH New Round Slip for this freq First Heard 02 Feb. V MW3D (x3) DE 2SLC (x2) changed to V 8CPZ (x3) DE XW6W (x2)
Reverted back to V MW3D (x3) DE 2SLC (x2) on 07 Feb. (See also 5588//NRH)

3723//NRH New frequency for this call sign. First heard 12 Jan V JKDJ (x3) DE SLBC (x2)

3820//5657 New Call sign First heard Thu 02 Jan 5657kHz. // freq 3820kHz found Wed 08 Jan on 5657kHz. V GKLO (x3) DE TYUI (x2)

5657kHz equal signal strength from Finland & Hong Kong remote tuners. 3820kHz Stronger signal using Hong Kong remote tuner (1704z)
Note: Due to the strength of TYUI from Hong Kong, suspect call sign change for ASDF. **Also note call sign letter selection on keyboard...**

4132//4886 New frequency & call signs. 4132kHz first heard Wed 08 Jan using Remote tuner Siberia. (N/H using Hong Kong remote tuner at 1705z). // freq 4886kHz first heard 10 Jan. Possibly a change in call sign/frequency for CZT2. V JKDJ (x3) DE SLBC (x2)

4672//NRH New Round Slip for this freq. First heard 02 Feb. V MW3D (x3) DE 2SLC (x2) now changed to V 8CPZ (x3) DE XW6W (x2)

5177//NRH New frequency for SLBC. First heard 11 Feb. V JKDJ (x3) DE SLBC (x2)

5165//NRH New frequency & call sign. First heard Wed 05 Feb V QHV8 QHV8 QHV8 de 8QPP 8QPP (FN)

5366//8072 New Frequency First heard Fri 03 Jan on 8072. // freq 5366kHz found on Fri 17 Jan V GKLO (x3) DE TYUI (x2)

5367//8072 New Frequency for TYUI First heard Tue 23 Jan V GKLO (x3) DE TYUI (x2)

5588//NRH New Round Slip for this freq First Heard 04 Feb. V MW3D (x3) DE 2SLC (x2) changed to V 8CPZ (x3) DE XW6W (x2)
Reverted back to V MW3D (x3) DE 2SLC (x2) on 07 Feb. (See also 3300//NRH)

5657//8072 New pairing of known freqs First heard Fri 07 Feb V GKLO (x3) DE TYUI (x2)

7065//NRH New R/S and frequency First heard Wed 12 Feb V Q5U8 (x3) DE 8QPP (x2)
(Previously copied on 5165kHz as QHV8 DE 8QPP). Probably same station.

9383//NRH Note: New frequency for SLBC First heard Sat 08 Feb V JKDJ (x3) DE SLBC (x2)

10321//NRH Note: New frequency for SLBC First heard Fri 24 Jan V JKDJ (x3) DE SLBC (x2)

10421//8072 Note: New frequency for TYUI First heard Mon 27 Jan V GKLO (x3) DE TYUI (x2)

16720//NRH

Note: New call signs. Several changes noted here!

(16720 is a known M89 frequency).

V WZG6 (x3) DE 4VTG (x2) First heard Sat 11 Jan.
V BRH0(X3) DE 8NGG (X2) First heard Thu 16 Jan (This one was often audible in UK, but not on Hong Kong tuner - BR).
V EI0B (x3) DE JHG2 (x2) First heard Mon 03 Feb
V ZRM7 (x3) DE LCM0 (x2) First heard Mon 24 Feb

Chart of M89 Freq & Call signs heard in Jan / Feb 2014

New Schedules shown in Bold Type

Freq in KHz	Call Slip
3300//NRH	V MW3D (x3) DE 2SLC (x2) V 8CPZ (x3) DE XW6W (x2)
3642//NRH	V DKG6 (x3) DE 3A7D (x2)
3642//5230	V DKG6 (x3) DE 3A7D (x2)
3642//7602	V DKG6 (x3) DE 3A7D (x2)
3723//NRH	V JKDJ (x3) DE SLBC (x2)
3797//4512	V H2FL (x3) DE DRV8 (x2)
3820//5657	V GKLO (x3) DE TYUI (x2)
4132//4886	V JKDJ (x3) DE SLBC (x2)
4225//5500	V 7NPE (x3) DE QV5B (x2)
4512//NRH	V H2FL (x3) DE DRV8 (x2)
4512//6773	V H2FL (x3) DE DRV8 (x2)
4672//NRH	V S2LZ (x3) DE YBA6 (x2)
4860// 6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
5165//NRH	V QHV8 (x3) DE 8QPP (x2)
5177//NRH	V JKDJ (x3) DE SLBC (x2)
5366//8072	V GKLO (x3) DE TYUI (x2)
5367//8072	V GKLO (x3) DE TYUI (x2)

Freq in kHz	Call Slip
5588//NRH	V MW3D (x3) DE 2SLC (x2) V 8CPZ (x3) DE XW6W (x2)
5657//8072	V GKLO (x3) DE TYUI (x2)
5801//8101	V DKG6 (x3) DE 3A7D (x2)
5801//10180	V DKG6 (x3) DE 3A7D (x2)
6773//NRH	V H2FL (x3) DE DRV8 (x2)
6773//8040	V H2FL (x3) DE DRV8 (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
7065//NRH	V Q5U8 (x3) DE 8QPP
7582//8110	V 7NPE (x3) DE QV5B (x2)
8072//10421	V GKLO (x3) DE TYUI (x2)
8101//10180	V DKG6 (x3) DE 3A7D (x2)
9383//NRH	V JKDJ (x3) DE SLBC (x2)
10180//NRH	V DKG6 (x3) DE 3A7D (x2)
10321//NRH	V JKDJ (x3) DE SLBC (x2)
16720//NRH	V WZG6 (x3) DE 4VTG (x2) V BRH0 (x3) DE 8NGG (x2) V EI0B (x3) DE JHG2 (x2) V ZRM7 (x3) DE LCM0 (x2)

Courtesy JPL

Other logs received:-

January 2014:

3642	2240z	19 Jan	V DKG6 (x3) DE 3A7D (x2) (Cont.)	Good	BR	SUN
3820	2058z	11 Jan	V GKLO GKLO GKLO de TYUI TYUI		FN	SAT
4886	2035z	09 Jan	V JKDJ JKDJ JKDJ de SLBC SLBC		FN	THU
5500	1656z	28 Jan	V 7NPE de QV5B	Strong	madcat	TUE
5657	1625z	06 Jan	V GKLO GKLO GKLO de TYUI TYUI		FN	MON
5657	1902z	18 Jan	V GKLO DE TYUI (repeated)		Topol	SAT
7582	1525z	08 Jan	V 7NPE 7NPE 7NPE de QV5B QV5B		FN	WED
7602	1635z	30 Jan	V DKG6 DKG6 DKG6 de 3A7D 3A7D		FN	THU
16720	1235z	18 Jan	V BRH0 (x3) DE 8NGG (x2)	New ID	BR	SAT

February 2014:

5165	2020z	05 Feb	V QHV8 QHV8 QHV8 de 8QPP 8QPP	New Freq & ID	Weak, fading	FN	WED
5500	1950z	18 Feb	V 7NPE 7NPE 7NPE de QV5B QV5B			FN	TUE
5657	1639z	05 Feb	V GKLO GKLO GKLO de TYUI TYUI			FN	WED
6840	1624z	05 Feb	(IP) ....Q2M Q2M de NYZ NYZ QSA ? k (EOT)			FN	WED
7602	1940z	04 Feb	V DKG6 DKG6 DKG6 de 3A7D 3A7D			FN	TUE
16720	0800z	04 Feb	V EI0B (x3) DE JHG2 (x2)			BR	TUE
16720	1529z	27 Jan	V ZRM7 (x3) DE LCM0 (x2) (Cont)	1535z	Fair	JkC	THU

Marker Beacons (MX MXI)

3335	2205z	01 Jan	MX CW Beacon "V" Khiva	Faster sending of the 'V'	AB	WED
3593.7	2202z	01 Jan	MXI CW Beacon "D" Sevastopol		AB	WED
3658	2051z / 2202z	01 Jan	MX CW Beacon "V" Khiva	/ Weak into S.E. UK	AB/BR	WED

4325.9	2129z	08 Jan	MX	CW	Marker	"R"	Izhevsk	AB	WED
	1825z	21 Jan	MX	CW	Beacon	"S"	Sevoromorsk	AB	TUE
4557.7	2202z	01 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	WED
5153.7	2202z	01 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	WED
5153.8	2202z	01 Jan	MXI	CW	Beacon	"P"	Kaliningrad	AB	WED
5153.9	2136z	08 Jan	MXI	CW	Beacon	"S"	Sevoromorsk	AB	WED
5154	1825z	21 Jan	MXI	CW	Beacon	"C"	Moscow	AB	TUE
5325.9	1606z	14 Jan	MX	CW	Marker	"R"	Izhevsk	AB	TUE
6917.6	1825z	21 Jan	MX	CW	Beacon	"L"	St Petersburg	AB	TUE
7000	2133z	08 Jan	MX	CW	Beacon	"P"	St Petersburg	AB	WED
	0904z	12 Jan	MX	CW	Beacon	"P"	Kaliningrad	AB	SUN
	1606z	14 Jan	MX	CW	Beacon	"V"	Khiva	AB	TUE
7038.7	2202z	01 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	WED
7038.8	1735z	01 Jan	MXI	CW	Beacon	"P"	Strong into S.E. UK	AB/BR	WED
7038.9	2018z	11 Jan	MXI	CW	Beacon	"S"	Sevoromorsk	AB	SAT
8494.7	2202z	01 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	WED
	1916z	02 Jan	MXI	CW	Beacon	"D"	Fair. irregular auto-sending - lapsing into M M or N at times	BR	THU
8494.8	2137z	08 Jan	MXI	CW	Beacon	"P"	St Petersburg	AB	WED
8494.9	1825z	21 Jan	MXI	CW	Beacon	"S"	Sevastopol	AB	TUE
10871.7	1128z	11 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	SAT
10871.9	1128z	11 Jan	MXI	CW	Beacon	"S"	Sevoromorsk	AB	SAT
10872	1128z	11 Jan	MXI	CW	Beacon	"C"	Moscow	AB	SAT
13527.7	1128z	11 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	SAT
13527.9	1128z	11 Jan	MXI	CW	Beacon	"S"	Sevoromorsk	AB	SAT
13528.4	0653z	25 Jan	MXI	CW	Beacon	"M"	Magadan	AB	SAT
16331.7	1128z	11 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	SAT
16331.9	1128z	11 Jan	MXI	CW	Beacon	"S"	Sevoromorsk	AB	SAT
16332	1128z	11 Jan	MXI	CW	Beacon	"C"	Moscow	AB	SAT
20047.7	1128z	11 Jan	MXI	CW	Beacon	"D"	Sevastopol	AB	SAT
20047.9	0902z	12 Jan	MXI	CW	Beacon	"S"	Sevoromorsk	AB	SUN
20048	1128z	11 Jan	MXI	CW	Beacon	"C"	Moscow	AB	SAT

Oddities

S28 **'The Buzzer'** Msg intercepts

4625	1421z	13 Jan	MDZhB	24 217 BARVENA 06 80 51 51 Priyom	AB	MON
	1350z	19 Jan	MDZhB	50 952 NALIVKA 47 05 43 66 KALIZEJ 50 41 85 22	AB	SUN
	1351z	19 Jan	MDZhB	60 809 VALERON 36 07 67 03	AB	SUN

On Tue 04 Feb Christer in Stockholm reported an additional sound on the Buzzer signal, which he describes as 'like the sound of a playing card on spokes' with increasing strength. Listening in S.E. England following Christer's report, I have to say it was a very good description. We used pieces torn from cigarette packets in my day, held in place with a wooden clothes peg....

S32 **'Squeaky Wheel'**

3828	2210z	01 Jan	S32	'Squeaky Wheel' Marker	USB	AB	WED
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S30 **'The Pip'**

3756	2211z	01 Jan	S30	'Pip' Marker (Night freq)	USB	AB	WED
5448	0539z	08 Jan	S30	'Pip' Marker (Day freq)	USB	BR	WED

XSL **'Japanese Slot Machine'**

This report from Steve (SH) from the USA;

Heard on 30 January 2014. I made no attempt nor do I have the capability to demodulate the QPSK signal. Rather I identified it by its sound having heard it previously.

6250	USB	1312z & 1326-1330z	Fair signal
6445	USB	1310z & 1326-1330z	Fair signal
8313	USB	1306z & 1326-1330z	Fair signal
8588	USB	1309z & 1326-1330z	Poor signal
8703.5	USB	1308z & 1326-1330z	Poor signal

Frequencies were apparently // and signal strength in order of best to worst, were 6250, 6445, 8313, 8703.5 and 8588 kHz) -Steve (*Thanks for the report Steve!*)

Irregular dashes 5447, 5445, 5105kHz

At the beginning of January, Tim (westt1us), reported hearing some irregular 'beeps' nightly on 5447kHz, & had also heard them via the Netherlands online tuner. On the day of the report, 05 Jan, the sigs were also clearly heard in the UK at around 0330 - 0530z with a fair to good signal strength.

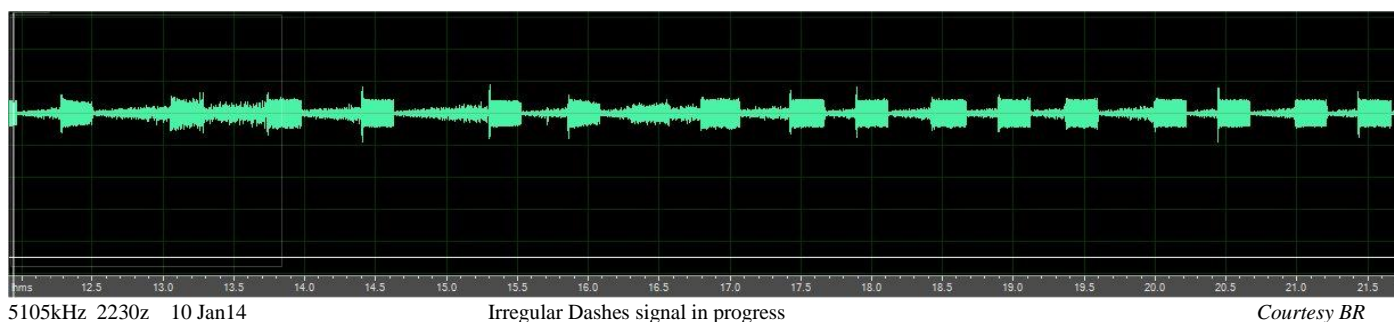
On 06 Jan the signal was audible from around 2120z in the UK - but had changed freqs now to 5445kHz, and whereas the signal had consisted only of the irregular dashes, westt1us reported it was now interrupting the dashes with some data bursts.

Unfortunately, the signal as heard in the UK, was struggling under a strong adjacent RTTY signal on this freq so recordings and analysis of the data was not possible. Having monitored the signal for a while just after MDT however, Brian (BR) found that the station was sending 10 seconds of data transmission, exactly every three minutes.

0003:17 – 0003:27 (10s Data)
0006:17 – 0006:27 (10s data)
0009:17 – 0009:27 (10s data) etc.

On Tue 07 Jan, the signal was missing on 5445kHz at 0500z, & was not found in a limited search of the adjacent area, but was rediscovered on another new freq, 5105kHz at 2230z the same evening by BR in the UK.

Now the signal had reverted to sending just the irregular dashes with no data bursts heard during the period of monitoring. This was confirmed by westt1us. The signal was still transmitting at 0500z on 08 Jan but had gone by 0630z.



We are sure that this signal has been observed & reported before. From observations so far it would seem that the irregular dashes are a channel marker of some sort, with the real purpose of the station being the transmission of the data bursts heard on the evening of 06 Jan.

As a marker the irregular dashes are certainly distinctive, but it has to be wondered how & why this particular choice of marker was selected. Surely a regular dash would have been simpler to generate & just as effective.

When listening to the irregular dashes, we are reminded of the Nevil Shute novel 'On the Beach', where the crew of a submarine, in a post-apocalyptic world, tracked a random Morse transmission across the world. An apt comparison, as one can easily imagine the abandoned room with the Morse key and the window sash blowing in the breeze.

The 'Twenty Min Idler' rediscovered

The '20 Minute Idler' is an oddity first reported by the ENIGMA group way back in 1998. It was originally named The 'Blank Carrier', however on examination it was found to be an FSK transmission on idle, with an unusual frequency shift of 250Hz.

A history of the station can be found on my 'Mystery Stations' site here; [The Twenty Minute Idler](#)

As my article states, the station disappeared from the air in Aug 2010, and following a long period of monitoring checks failed to reappear and so I removed it from the list of active stations and placed it into the extinct group.

In Jan 2014, I was surprised to receive an email from a British radio amateur, Matt G7OBR, who told me that he thought he had heard a similar sounding signal on 5305kHz, which ceased at exactly 20 mins past the hour.

After monitoring the freq for some days, it was clear that this was indeed the same signal, and despite some poor conditions, I did manage to log the station hourly at times from around 1600z to 0300z on 5305kHz always starting exactly on the hour.

There was, however, one noticeable difference. While most times the signal did cut off at exactly H+20 mins, there were occasions where it continued - sometimes for five or more minutes, even for another twenty minutes before ceasing.

Prior to 2010, the station was always known to conform to an exact twenty minute transmission. So if we assume this is an automated process, why now should the times occasionally vary?

Checks on the other known frequencies failed to find any trace of the signal, 5305kHz being the only remaining active frequency. There may be some other frequencies in use that haven't yet been identified frequencies but at the time of writing 5305kHz remains the only known frequency.

I can only think that this is some form of a back-up network ready to spring into life should whatever satellite, land-line or radio link fail, or in times of emergency. It does seem to be a forgotten relic of the Cold War era, and in all that time from its discovery in 1998 has never been heard to send anything other than the FSK idler.

PoSW weighed into the noise forum with this interesting piece:

There is something around on the short-wave bands which sounds a bit like the "Russian Woodpecker" of many years ago, a rapid pulse type signal of several "taps" per second. I have heard this several times, usually vanishes a few seconds after being tuned in.

I haven't made a note of all the occasions I have heard it but I did log the following:-

5-Jan-14, Sunday, 1232 UTC, 8,027 kHz; 6-Feb-14, Thursday, 1842 UTC, 10,910 kHz; 9-Feb-14, Sunday, 2206 UTC 6,700 kHz. It is not as strong as I recall the original "Woodpecker" was in the late 1970s.

I remember back then hearing the Russian Woodpecker with a faint signal right across the dial of an FM radio. It wasn't transmitting in the 88 to 108 MHz band, of course; it was pecking away in the region of 10.7 MHz, the IF frequency of the FM portable, as a check with a short wave radio confirmed and it was strong enough to be picked up in the IF stage of the plastic-cased radio and get through the limiter and subsequent circuitry.

Brian Rogers Jan2014

Contributors: AB, AnonUS, BR, CB, CHPA, DoK, ElmarE2Kde, GD, Gert, HJH, Jan, JkC, JPL, madcat, PLdn, PoSW, RNGB, SH, SV, tiNG, Topol, westt1us, Wilson Persaud *Thank you all for your logs.*

Hybrid Mode

HM01 reports from the Cuban Desk:

HM01 transmissions continue about as expected over the past two months. The 2300z transmissions have not been heard since around January 6th and this transmission may have been discontinued. Since February 1st the same callups and text files have been used every day. Past experience suggests that this will change before the end of the month but at the time of writing (26th) things are still the same.

Two copies of the same callups have been heard transmitted at the same time and out of sequence on occasion. also some transmissions have begun with multiply "Uno" or "Dos" transmitted before the callups start. New callups will generally begin at 1600z on a particular day although not always.

HM01 11435kHz 1600z 28/12 [80582 63505 70472 16035 61782 48833]
HM01 11435kHz 1600z 29/12 [80583 63506 70473 16036 61783 48834]
HM01 11435kHz 1600z 30/12 [80584 63507 70474 44781 61784 48835] New callup position 4 44781 = 44562602 Second feed started during the second round of callups causing what sounded like 2 FGs being read out although they were the same callups.
HM01 11435kHz 1600z 31/12 [56792 03633 37674 18655 62113 66163] All new callups 56792 = 31715679.txt, 03633 = 51084475.txt, 37674 = 78157106.txt, 18655 = 25162146.txt, 62113 = 08552851..txt, 66163 = 80252851.txt
HM01 11435kHz 1600z 1/1 [56792 03633 37674 18655 62113 66163] Same callups as yesterday. WED
HM01 11435kHz 1600z 2/1 [56792 03633 37674 18655 62113 66163] THU
HM01 11435kHz 1600z 3/1 [56792 03633 37674 18655 62113 66163] FRI
HM01 11435kHz 1600z 4/1 [56792 03633 37674 18655 62113 66163] Two copies of the TX running simultaneously. SAT
HM01 11435kHz 1600z 5/1 [56792 03633 37674 18655 62113 66163] SUN
HM01 11435kHz 1600z 6/1 [56792 03633 37674 18655 62113 66163] MON
HM01 11435kHz 1600z 7/1 [56792 03633 37674 18655 62113 66163] TUE
HM01 11435kHz 1600z 8/1 [80587 55242 01061 44784 68732 48838] WED Started with "Uno" X 22, "Uno" X 15, "Uno" X 3 then "Uno" X 7
HM01 11435kHz 1600z 9/1 [04111 55244 01063 44786 68734 02102] All new callups 04111 = 38723340.TXT 55244 = 45844635.TXT 01063 = 68304522.TXT, 44786 No Decode, 68734 = 44675238.TXT, 02102 = 34665435.TXT
HM01 11435kHz 1600z 11/1 [04113 55246 01065 44788 68736 02104]
HM01 11435kHz 1600z 12/1 [04114 55247 01066 17721 68737 02105] New callup position 4. 17721 = 74552515.TXT
HM01 11435kHz 1600z 13/1 [04115 53441 22061 17722 83151 02106] MON
HM01 11435kHz 1600z 14/1 [04115 53441 22061 17722 83151 02106] Same callups as yesterday TUE
HM01 11435kHz 1600z 15/1 [04115 53441 22061 17722 83151 02106] WED
HM01 11435kHz 1600z 16/1 [81817 14855 81785 82461 65525 61073] All new callups 81817 = 72834417.txt, 14855 = 02331056.TXT, 81785 = 67356540.TXT, 82461 = 14041258.TXT, 65525 = 72573167.TXT, 61073 = 51502078.TXT.
HM01 11435kHz 1600z 17/1 [81817 14855 81785 82461 65525 61073] Same callups as yesterday
HM01 11435kHz 1600z 18/1 [81817 14855 81785 82461 65525 61073] 3rd day for these callups
HM01 11435kHz 1600z 19/1 [81817 14855 81785 82461 65525 61073] Day 4 same callups.
HM01 11435kHz 1600z 20/1 [81817 14855 81785 82461 65525 61073] Cut into 1st and 2nd round of callups part way through an RDFT transmission. MON
HM01 11435kHz 1600z 21/1 [81817 14855 81785 82461 65525 61073] TUE
HM01 11435kHz 1600z 22/1 [81818 14856 60471 82462 65526 61074] Finally incrementing the callups after 7 days. New callup position 3. 60471 = 51522423.TXT WED
HM01 11435kHz 1600z 23/1 [81871 14857 60472 82463 65527 61075] New callup position 1 81871 = 62466164.txt THU
HM01 11435kHz 1600z 24/1 [13126 61051 16207 14658 50532 73475] 61051 = 64745567.TXT 16207 = 40408383.TXT 14658 = 14863262.TXT 50532 = 13184541.TXT 73475 = 71860244.TXT, 13126 = 64745567.TXT FRI
HM01 11435kHz 1600z 25/1 [61051 16207 14658 50532 73475 13126] SAT
HM01 11435kHz 1600z 27/1 [61051 16207 14658 50532 73475 13126] MON
HM01 11435kHz 1600z 28/1 [61051 16207 14658 50532 73475 13126] TUE
HM01 11435kHz 1600z 30/1 [61052 16208 63601 50533 73476 13127] New callup position 3 63601 = 06137734.txt THU
HM01 5855kHz 1000z 31/1 [83381 51835 and 22574 heard] Same callups previously heard in September, November and December.
HM01 11435kHz 1600z 31/1 [83522 76105 65312 66784 17704 28278] FRI 83522 = 06432802.txt, 76105 = 24835574.txt, 65312 = 10346326.txt, 66784 = 05745322.txt, 17704 = 76008745.txt, 28278 = 81572578.txt
HM01 11435kHz 1600z 1/2 [83522 76105 65312 66784 17704 28278] SAT
HM01 11435kHz 1600z 2/2 [83522 76105 65312 66784 17704 28278] SUN
HM01 11435kHz 1600z 3/2 [83522 76105 65312 66784 17704 28278] MON
HM01 11435kHz 1600z 4/2 [83522 76105 65312 66784 17704 28278] TUE
HM01 11435kHz 1600z 5/2 [83522 76105 65312 66784 17704 28278] WED
HM01 11435kHz 1600z 6/2 [83522 76105 65312 66784 17704 28278] THU
HM01 11435kHz 1600z 7/2 [83522 76105 65312 66784 17704 28278] FRI
HM01 11435kHz 1600z 8/2 [83522 76105 65312 66784 17704 28278] SAT
HM01 11435kHz 1600z 9/2 [83522 76105 65312 66784 17704 28278] SUN
HM01 11435kHz 1600z 10/2 [83522 76105 65312 66784 17704 28278] MON
HM01 11435kHz 1600z 11/2 [83522 76105 65312 66784 17704 28278] TUE
HM01 11435kHz 1600z 12/2 [83522 76105 65312 66784 17704 28278] WED
HM01 11435kHz 1600z 13/2 [83522 76105 65312 66784 17704 28278] THU
HM01 11435kHz 1600z 14/2 [83522 76105 65312 66784 17704 28278] FRI
HM01 11435kHz 1600z 15/2 [83522 76105 65312 66784 17704 28278] SAT
HM01 11435kHz 1600z 16/2 [83522 76105 65312 66784 17704 28278] SUN
HM01 11435kHz 1600z 17/2 [83522 76105 65312 66784 17704 28278] MON
HM01 11435kHz 1600z 18/2 [83522 76105 65312 66784 17704 28278] TUE
HM01 11435kHz 1600z 19/2 [83522 76105 65312 66784 17704 28278] WED
HM01 11435kHz 1600z 20/2 [83522 76105 65312 66784 17704 28278] THU

HM01 11435kHz 1600z 21/2 [83522 76105 65312 66784 17704 28278] FRI
 HM01 11435kHz 1600z 22/2 [83522 76105 65312 66784 17704 28278] SAT
 HM01 11435kHz 1600z 23/2 [83522 76105 65312 66784 17704 28278] SUN
 HM01 11435kHz 1600z 24/2 [83522 76105 65312 66784 17704 28278] MON
 HM01 11435kHz 1600z 25/2 [83522 76105 65312 66784 17704 28278] TUE
 HM01 11435kHz 1600z 26/2 [83522 76105 65312 66784 17704 28278] WED
 HM01 11435kHz 1600z 27/2 [83522 76105 65312 66784 17704 28278] THU
 HM01 11435kHz 1600z 28/2 [83381 22574 15441 50182 08444 51835]

As expected, a change in callups at the end of the month. The same callups as heard in November 2013 and at the end of January. Weak signal but some of the callups had slow delivery and unusual pauses. FRI

Now onto others' reports:

January 2014

5855kHz1000z	31/01[voice > RDFT encrypted file (decoded with DIGTRX)]	PY4	FRI
9155kHz1000z	31/01[voice > RDFT encrypted file (decoded with DIGTRX)]	PY4	FRI

83381 > 31188338.txt 678 bytes
 22574 > 56073417.txt
 15441 > 30847867.txt
 50182 > 22017372.txt 987 bytes
 08444 > 81355132.txt 987 bytes
 51835 > 12863053.txt 678 bytes
Courtesy Roland

11435kHz1600z	12/01	STRONG	MC	SUN
1600z	22/01	STRONG	MC	WED
11530kHz2300z	03/01[66163 56792 03633 37674 18655 62113] QSA3		DanAR	FRI
2300z	06/01[66163 56792 03633 37674 18655 62113] QSA3		DanAR, RR	MON
2300z	12/01[04114 55247 01066 17721 68737 02105] QSA3		DanAR	SUN
1700z	22/01	STRONG	MC	WED
2300z	24/01[61051 16207 14658 50532 73475 13126] QSA3		DanAR	FRI
2300z	26/01[61051 16207 14658 50532 73475 13126] QSA3		DanAR	SUN
11635kHz2100z	26/01	STRONG	MC	SUN
17540kHz2300z	02/01[66163 56792 03633 37674 18655 62113] QSA3		DanAR	THU
2300z	11/01[55246 01065 44788 68736 02104 04113] QSA3		DanAR	SAT
2300z	14/01[04115 53441 22061 17722 83151 02106] QSA3		DanAR	TUE
2300z	23/01[81871 14857 60472 82463 65527 61075] QSA3		DanAR	THU
2300z	28/01[61051 16207 14658 50532 73475 13126] QSA3		DanAR	TUE

February 2014

9240kHz0900z 02/02 S8	PY4	SUN
voice > RDFT encrypted file (decoded with DIGTRX) - see 11635kHz1800z 01/02		
11635kHz1800z 01/02	PY4	SAT
voice > RDFT encrypted file (decoded with DIGTRX)		

83522 > 06432802.txt 1009 bytes
 76105 > 24835574.txt 1019 bytes
 65312 > 10346326.txt 960 bytes
 66784 > 05745322.txt 1003 bytes
 17704 > 76008745.txt 971 bytes
 28278 > 81572578.txt 986 bytes

10715kHz2200z	05/02	PY4	WED
11435kHz1600z	05/02	PY4	WED
11530kHz1700z	05/02	PY4	WED
11635kHz2100z	05/02	PY4	WED

voice > RDFT encrypted file (decoded with DIGTRX)

The same files of 02/02/2014 !

Received with SDR console, remote via network, connected to WA1WOK.

Decoded TXT files are here: <http://www.qsl.net/py4zbz/hdsstv/02022014txt.zip>

12120kHz 0900z 06/02 *	PY4	THU
12180kHz 1000z 06/02 S8 voice > RDFT encrypted file (decoded with DIGTRX)	PY4	THU

The same files of 02/02/2014 !

* Received with SDR console, remote via network, connected to WA1WOK.

9155kHz 1000z 07/02 *
5855kHz 1000z 07/02 *
11635kHz 1800z 07/02 *
* Received with SDR console, remote via network, connected to WA1WOK.

voice > RDFT encrypted file (decoded with DIGTRX)

The same files of 02/02/2014 !

HM01 11530kHz 1700z 17/02 *	PY4	MON
HM01 11635kHz 1800z 17/02 *	PY4	MON

voice > RDFT encrypted file (decoded with DIGTRX)

83522 > 06432802.txt 1009 bytes
76105 > 24835574.txt 1019 bytes
65312 > 10346326.txt 960 bytes
66784 > 05745322.txt 1003 bytes
17704 > 76008745.txt 971 bytes
28278 > 81572578.txt 986 bytes

The same files since 02/02/2014 !

* Received with SDR console, remote via network,
connected to WA1WOK

10715kHz2230z	21/02[83522 76105 65312 66784 17704 28278] QSA3	DanAR	FRI
2230z	23/02[83522 76105 65312 66784 17704 28278] QSA2	DanAR	SUN

From the British point of reception PoSW offers good advice: Continues to give variable results in the UK, most reliable reception at the present time is on those days when 9,330 kHz is used at 0700 UTC. No doubt the higher frequencies used by the Cuban mixed-mode station will improve as we move through spring towards summer.

6-Jan-14, Monday:- 0658 UTC, 9,330 kHz, “56792 03633 37674 18655 62113 66163”.
S9 with deep QSB and a distinct “echo” effect on the speech, presumably due to the signal arriving by two different paths.

8-Jan-14, Wednesday:- 0658 UTC, 9,330 kHz, “56792 03633 37674 18655 62113 66163”, and still with the echo.

13-Jan-14, Monday:- 0650 UTC, 10,345 kHz, last few minutes of a transmission, S7 to S8 with good audio, heard 5F groups “55247 01066 17721 68737 02105”.
0658 UTC, 9,330 kHz, “04114 55247 01066 17721 68737 02105”. S9 with excellent audio.

20-Jan-14, Monday:- 0658 UTC, 9,330 kHz, “81817 14855 81785 82461 65525 61073”, S9.

22-Jan-14, Wednesday:- 0656 UTC, last couple of minutes, heard 5F “61073”, S9 with good audio.
0700 UTC, 10,345 kHz, starting up on the wrong frequency, didn't have time to see if it did a QSY to 9,330.

26-Jan-14, Sunday:- 1037 UTC, 9,155 kHz, transmission in progress, S6 to S7, heard 5Fs “14658 50532 73475 13126 61051 16207”.

29-Jan-14, Wednesday:- 0700 UTC, 9,330 kHz, “61051 16207 14658 50532 73475 13126”, S9 with good audio.

5-Feb-14, Wednesday:- 0547 UTC, 5,855 kHz, I would not normally be awake at thirteen minutes to six in the morning, but heavy rain lashing against the windows driven by a strong wind caused me to return from the Realm of Morpheus half an hour before the alarm was due to go off, so thought I might as well employ the time usefully by having a quick tune around! HM01 in progress on 5,855 with an extremely strong S9+ signal, last few minutes, heard 5Fs “66784 17704 28278 83522 76105 65312”. Went QRT 0555 UTC.
0558 UTC, 10,345 kHz, “83522 76105 65312 66784 17704 28278”. Short pause during the call-up, voice carried on until 0603 and 45s UTC, S9 with good audio.
0657 UTC, 9,330 kHz, 5Fs as earlier, S9 to S9+ with good audio, weak broadcast station heard underneath, sounded like American English so probably of the religious “Hell-fire and Damnation” variety.

7-Feb-14, Friday:- 2200 UTC, 10,715 kHz, “83522 76105 65312 66784 17704 28278”. S7 to S8 with rapid QSB, best signal from HM01 in the UK late evening for some time.

9-Feb-14, Sunday:- 0900 UTC, 9,240 kHz, “83522 76105 65312 66784 17704 28278”, S9 with QSB, good audio and unusually started within a second or two of the hour.
1000 UTC, 9,155 kHz, carrier only until approx 15 seconds past the hour, 5F groups as earlier.
2200 UTC, 10,715 kHz, started well past the hour, 5Fs as thirteen hours earlier.

16-Feb-14, Sunday:- 0759 UTC, 9,065 kHz, “83522 76105 65312 66784 17704 28278”. S7 to S8 with rapid QSB, a pause during the call-up, data noise started 0803:15s UTC.
0859 UTC, 9,240 kHz, 5Fs as earlier, peaking over S9 with rapid QSB.

Before we move onto the Voice log section PoSW wrote this interesting intro: One unusual item to report, what appeared to be a Spanish Language version of the E06/S06/G06 format which seemed to be having problems:-

6-Feb-14, Thursday:- 1809 UTC, 10,755 kHz, a chance discovery of a Spanish speaking YL with 5F groups as doubles, strong signal, mode of transmission the familiar "lop-sided AM", or upper side-band with carrier, much used by certain number stations. Stopped about one minute after being tuned in and after a pause started calling "Nueve siete cinco", i.e. "975" until 1816 UTC, followed by more 5F groups, finishing with, "136 136 24 24". Started up with "975" call again then went off with carrier after 1819 UTC, came back after about 30 seconds, then DK/GC "601 601 32 32". went off again after fourteen 5F groups, came back and called "975" again for a while and into 5Fs again, went off again, came back with "975" then more 5Fs. Finished at 1832 UTC with "601 601 32 32 00000", cut carrier - and this time stayed off. Last 5F groups were, "37827 65716 32304 48341".

I have looked for this one most evenings since the 6th but not found it again.

A look around First Thursday perhaps?

VOICE STATIONS

E06

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

2-Jan-14:- 4,836 kHz, call "321", long pauses in the call-up, came with the "rasping" type distortion often noted in the past. DK/GC not reached until around 2037 UTC, "594 594 20 20", same 5Fs as heard on 19-December-13.

16-Jan-14:- 4,836 kHz, "321" and "594 594 20 20" again, this time with good audio.

6-Feb-14:- 4,836 kHz, call "321", DK/GC "594 594 20 20", same 5F message as in the past two months. A long pause after the first 5F group, "37839" until the second one, "35787". Peaking S9+ with good audio.

20-Feb-14:- 4,836 kHz, "231" and "594 594 20 20", S9 signal but the distorted audio is back.

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

3-Jan-14:- 4,760 kHz, call "472", DK/GC "691 691 20 20". Good audio, no "rasping", started approx. 40 seconds before the half-hour.

17-Jan-14:- 4,760 kHz, "472" and "691 691 20 20", good audio but appeared to be low in relation to carrier strength.

7-Feb-14:- 4,760 kHz, "472" and "691 691 20 20" again. S9 to S9 + with good audio. Voice went very quiet at 5F group no. 13, "62374", only heard it spoken once, a silent gap where 5F no. 14 - "28657" should have been, resumed normal service with 5F no. 15, "54375".

21-Feb-14:- 4,760 kHz, started just over one minute late, "472" and "691 691 20 20" again, S9 and unlike yesterday's 2030z sending had good audio. And no gap around 5F groups 13 and 14.

Second Wednesday in the Month 1920 + 2020 UTC Schedule:-

8-Jan-14:- 1920 UTC, 4,527 kHz, "376 376 376 00000". S6 to S7 with good audio. Change of call from the "218" of last year. 2020 UTC, 4,047 kHz, second sending, S6 with good audio.

12-Feb-14:- 1920 UTC, 4,527 kHz, "376 376 376 00000". S9 with good audio. E06 OM was heard warming up 4,527 at 1836 UTC calling "0 1 2 3 4" for several minutes.

2020 UTC, 4,047 kHz, second sending, S9 with good audio.

Sunday 1120 + 1220 UTC Following the Second Wednesday in the Month Schedule:-

12-Jan-14:- 1120 UTC, 6,874 kHz, "376 376 376 00000", very weak signal, clear copy with the receiver in USB mode. 1220 UTC, 5,776 kHz, second sending, even weaker.

16-Jan-14:- 1120 UTC, 6,874 kHz, "376 376 376 00000", very weak signal, clear copy in USB mode. No sign of a 1220 UTC sending on 5,776 kHz; there did appear to be something on frequency but was much too weak and way down in the noise to confirm as E06.

RNGB's logs then onto others:

E06 January log:

Thursday 2nd	07:00	17455	'139' 847 102 07097 11385 59955 71693 65936.....43777
	20:32	4836	'321' 594 20 37839 35787 98273 60187.....04594
Friday 3rd	21:30	4760	'472' 691 20 81249 09517 93028 65982 25187.....89636
Wednesday 8th	19:19	4527	'376' 00000
	20:20	4047	'376' 00000
Sunday 12th	11:20	6874	'376' 00000
	12:20	5776	'376' 00000
Thursday 16th	20:30	4836	'321' 594 20 37839 35787 98273 60187.....04594
Friday 17th	07:00	17455	'139' 847 102 07097 11385 59955 71693 65936.....43777

E06 February log:

Thursday 6th	20:30	4836	'321' 594 20 37839 35787 98273 60187 16202.....04594
Friday 7th	21:30	4760	'472' 691 20 81249 09517 93028 65982 25187.....89636
Thursday 20th	20:30	4836	'321' 594 20 37839 35787 98273 60187.....04594

Others' Logs:

January 2014:

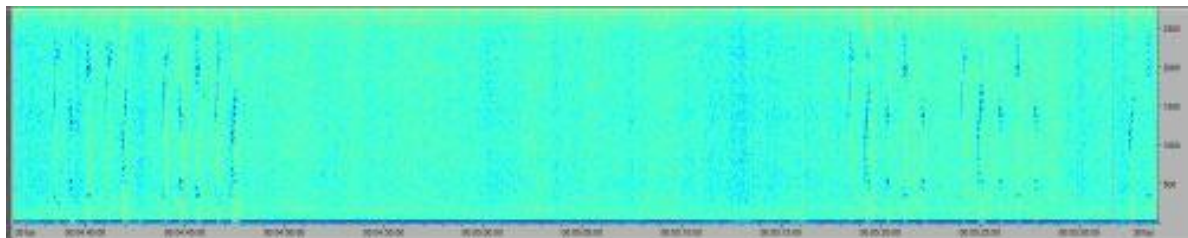
4760kHz2130z	03/01[472 691 20 81249 ... 89636 691 20 00000(s)] Weak and noisy	(7m22s)	PLdn	FRI
2130z	17/01[472 691 20 81249 ... 89636 691 20 00000(s)] Weak, XJTQRM3	(7m22s)	Spectre, PLdn	FRI
4836kHz2032z	02/01[321 594 20 37839 ... 04594 594 20 00000(s)] Fair		PLdn	THU
2030z	16/01[321 594 20 37839 ... 04594 594 20 00000(s)] Fair	(7m35s)	Spectre, PLdn	THU

E06 4836kHz 2030z 16/01 Transcript:

321 594 20
37839 35787 98273 60187 16202
95625 31691 52538 61025 22567
93296 67423 40968 16891 63781
34820 04842 60491 75924 04594
594 20 00000 *Courtesy Spectre*

February 2014:

4047kHz2020z	12/02[376 376 376 00000 R4m] 2024z QSA5 QRM1 QRN1 QSB2		tiNG	WED
4527kHz1920z	12/02[376 376 376 00000 R4m] 2024z QSA5 QRM1 QRN2 QSB2		tiNG	WED
4760kHz2131z	07/02[472 691 20 81249 ... 89636 691 20 00000(s)] 2039z Strong, 20s break 7m24s into send	(9m00s)	Spectre, PLdn	FRI



Delay between group count and first group (30s)

©PBeaumont 2014

2130z	21/02[472 691 20 81249 ... 89636 691 20 00000(s)]Fair, started 1 min late	(8m10s)	PLdn	FRI
4836kHz2031z	06/02[321 594 20 37839 ... 04594 594 20 00000(s)] 2040z Strong	(9m21s)	FR, M8, Spectre	THU
	321 594 20 37839 35787 98273 60187 16202 95625 31691 52538 61025 22567 93296 67423 40968 16891 63781 34820 04842 60491 75924 04594 595 20 00000 <i>Courtesy FR, Spectre</i>			

30 seconds pause between 1st & 2nd group and then two 5 seconds pauses between 2nd & 3rd and 3rd & 4th group.
Pauses between groups onward were normal [see image above].

2030z	20/02[321 594 20 37839 ... 04594 594 20 00000(s)] 2039z Fair QRN3 QSB3		Spectre	THU
	E06 4836kHz 2030z 06/20/02 Transcript: 321 594 20 37839 35787 98273 60187 16202 95625 31691 52538 61025 22567 03296 67423 40968 16891 63781 34820 04842 60491 75924 04594 594 20 00000 <i>Courtesy Spectre</i>			
6874kHz1120z	16/02[376 376 376 00000 R4m] 1124z QSA3 QRM1 QRN2 QSB2 (5776kHz 1220z NRH)		tiNG	SUN
10755kHz1602z	19/02[i/p 52065 308 61 00000]1615z [In progress]..... 81631 48596 31244 17053 01034 81215 36369 72632 27848 55454 86426 07373 74488 06795 00892 03973 56102 94141 65189 19022 77960 30558 53097 38770 33117 65260 05503 16654 08741 09081 26441 97234 24594 20566 82355 56261 52065 308 61 00000 <i>Courtesy JmC</i>		JmC	WED
1605z	19/02[527 308 61 52065 ... 308 61 00000]1615z		JmC	THU
13547kHz1201z	19/02[527 308 61.....308 61 00000]1216z S9		M8	WED
15634kHz1130z	19/02[527 308 61.....308 61 00000]1145z S9		M8	WED
15634kHz1200z	19/02[527 308 61.....308 61 00000]1215z S9		M8	WED

E07

Continues to suffer from low audio which often makes for difficult copy, a problem which has been a feature of E07 for years. How difficult can it be to construct an efficient AM transmitter? High level plate and screen modulation comes highly recommended, for further details see any ARRL Handbook from about 1945 to 1955!

Sunday + Wednesday Schedule, 1800 UTC Start:-

1-Jan-14, Wednesday:- 1800 UTC, 8,194 kHz, very low audio, difficult copy, could just about make out "172 172 172 1" call up for a "full message". Wide variations in signal strength, went QRT just before 1817 UTC so a long message.

1820 UTC, 6,794 kHz, second sending with better audio, DK/GC heard as "877 141" x 2.

Peaking S9+ with deep QSB.

1840 UTC, 5,294 kHz, third sending, audio low but readable.

5-Jan-14, Sunday:- 1800 UTC, 8,194 kHz, "172 172 172 1", DK/GC "877 141" x 2, as on

1-Jan. Audio low but readable.

1820 UTC, 6,794 kHz, second sending, low audio.

1840 UTC, 5,294 kHz, third sending, S9+ carrier, audio low but the best transmission of the three.

15-Jan-14, Wednesday:- 1827 UTC, 6,794 kHz, second sending in progress, audio low as always, ended before 1837 UTC with "000 000".

1840 UTC, 5,294 kHz, "172 172 172 1", DK/GC "877 141" x 2, still the same message then, S9+ carrier, audio low.

26-Jan-14, Sunday:- 1800 UTC, 8,194 kHz, "172 172 172 000".

1820 UTC, 6,794 kHz, second sending, weaker signal.

2-Feb-14, Sunday:- 1800 UTC, 10,219 kHz, "215 215 215 000".

1820 UTC, 9,119 kHz, second sending with a weaker signal.

5-Feb-14, Wednesday:- 1800 UTC, 10,219 kHz, "215 215 215 1", DK/GC "978 106" x 2. S9+ signal.

1820 UTC, 9,119 kHz, second sending, also S9+ with reasonable audio.

1840 UTC, 7,519 kHz, interference from a strong broadcast station on 7,520, reasonable copy with the receiver in LSB mode.

9-Feb-14, Sunday:- 1800 UTC, 10,219 kHz, "215 215 215 1", DK/GC "978 106" x 2. S9+ with better than usual audio.

1820 UTC, 9,119 kHz, second sending, also with better than usual audio.

1840 UTC, 7,519 kHz, third sending, flattened by strong BC station on 7,520.

12-Feb-14, Wednesday:- 1800 UTC, 10,219 kHz, "215 215 215 000", S9+ with reasonable audio.

1820 UTC, 9,119 kHz, second sending, also S9+.

16-Feb-14, Sunday:- 1820 UTC, 9,119 kHz, "215 215 215 000", S9+ with much better than usual audio - but - perfection is hard to achieve! Went off with carrier approx one minute in, carrier came back 1822 UTC, voice started again and carried on until 1824:25s UTC.

Monday + Wednesday Schedule, 2000 UTC Start:-

6-Jan-14, Monday:- 2000 UTC, 6,982 kHz, "981 981 981 1", DK/GC "535 23" x 2. S9 with reasonable audio - for an E07. Short message, ended "000 000" 2005 UTC.

2020 UTC, 5,882 kHz, second sending, interference from a broadcast station on a close frequency, no complaints permitted because this is the 49 metre BC band after all!

2040 UTC, 5,182 kHz, third sending, low audio, difficult copy.

20-Jan-14, Monday:- 2000 UTC, 6,982 kHz, "981 981 981 1", DK/GC "535 23" x 2; still the same message, then, two weeks later. S9, better than usual audio.

2020 UTC, 5,882 kHz, second sending, low audio.

2040 UTC, 5,182 kHz, third sending, S9+ with deep QSB.

27-Jan-14, Monday:- 2000 UTC, 6,982 kHz, "981 981 981 1", DK/GC "479 93" x 2, S9 with deep QSB.

2020 UTC, 5,882 kHz, second sending, low audio, difficult copy.

2040 UTC, 5,182 kHz, third sending, again with low audio.

3-Feb-14, Monday:- 2000 UTC, 7,724 kHz, "798 798 798 000". Low audio.

2020 UTC, 6,924 kHz, second sending, also low audio. Same frequencies as in February of years past, a "full message" would mean a 2040 UTC sending on 5,824 kHz.

12-Feb-14, Wednesday:- 2000 UTC, 7,724 kHz, "798 798 798 000", S9 with better than usual audio.

Thursday Schedule, 2110 UTC Start:-

2-Jan-14:- 2110 UTC, 6,777 kHz, "744 744 744 000", peaking S9+, better than usual audio.

2130 UTC, 5,449 kHz, second sending.

23-Jan-14:- 2110 UTC, 6,777 kHz, "744 744 744 000", audio low but readable.

13-Feb-14:- 2110 UTC, 6,777 kHz, "744 744 744 000", low audio.

2130 UTC, 5,449 kHz, second sending, idling FSK signal on LF side.

20-Feb-14:- 2110 UTC, 6,777 kHz, and 2130 UTC, 5,449 kHz, both with low audio but readable, "744 744 744 000".

RNGB's Logs then onto others

E07 January log:

Thursday 2nd	21:10	6777	'744' 000
Sunday 5th	18:00	8194	'172' 1 877 141 61051 35602 79985 30261.....
	18:20	6794	'172' 1 877 141 61051 35602 79985 30261.....
	18:40	5294	'172' 1 877 141 61051 35602 79985 30261.....
Monday 6th	20:00	6982	'981'
Sunday 19th	19:40	5294	'172' 1 588 99 91?61.....
Wednesday 22nd	20:00	6982	'981' 000

E07 February log:

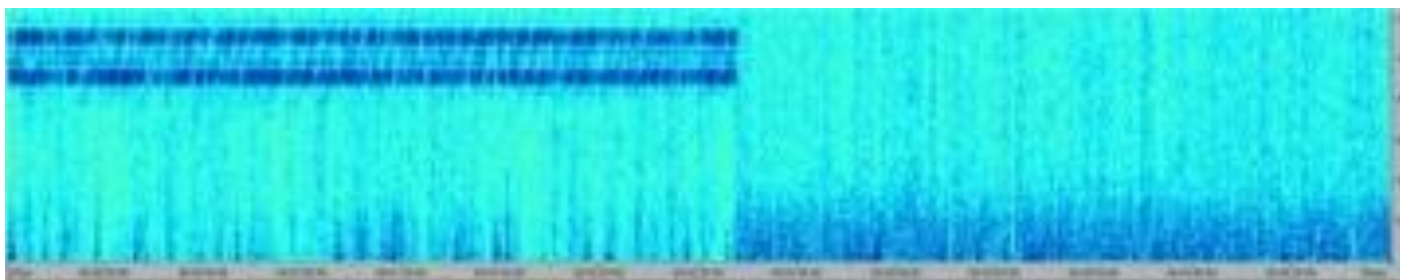
Thursday 6th	21:10	6777	'744' 000
Sunday 9th	18:00	10219	'215' 1 978 106 77279 30768 02736.....90007
Sunday	18:20	9119	'215' 1 978 106 77279 30768 02736.....90007
Sunday	18:40	7519	'215' 1 978 106 77279 30768 02736.....90007
Monday 10th	20:00	7724	'798' 000
Wednesday 19th	18:00	10219	'215' 000

Others' Logs

January 2014:

5182kHz2040z	13/01 Fair, carrier only	(4m59s)	PLdn	MON
2040z	15/01 Fair, carrier only	(4m59s)	PLdn	WED
2040z	20/01[981 1 531 nn 39042 ... 87850 000 000] Fair, QRM3	(4m56s)	PLdn	MON
2040z	27/01[9 .....000 000] Weak audio. Strong carrier, QRM3/4	(11m58s)	PLdn	MON
2040z	29/01[981x3 1 Faded]	M8		WED
5293kHz1840z	12/01[172 172.....????] 1846? tremendously weak	V		SUN
5294kHz1840z	19/01[172 588 99] Strong signal, strong noise, fading, unable to fully copy message	FR		SUN
5449kHz2130z	02/01[744 744 744 000] Fair and noisy	(2m13s)	PLdn	THU
2130z	09/01[744 000] Very strong signal, weak noise, bleeding from weather station	FR		THU
2130z	16/01[744 000] Weak, QRM3		PLdn	THU
2130z	23/01[744 000] Weak, VOLMET/TTY QRM3	(2m13s)	PLdn, FR	THU
2130z	30/01[744 000] Weak	(2m13s)	PLdn	THU
5882kHz2020z	08/01[981 1 535 23.....000??]2026 EXTREMELY WEAK	V		THU
2020z	13/01 Fair, carrier only	(4m59s)	PLdn	MON
2020z	15/01 Fair, carrier only	(4m59s)	PLdn	WED
2020z	20/01 Very weak audio, unreadable		PLdn	MON
2020z	27/01[98 .....000 000] Weak audio. Strong carrier, QRM3	(11m58s)	PLdn	MON
6777kHz2110z	02/01[744 744 744 000] Fair and noisy	(2m13s)	PLdn	THU
2110z	16/01 Carrier only		PLdn	THU
2110z	23/01[744 000] Fair, QSB2	(2m13s)	PLdn, FR	THU
2110z	30/01[744 000] Very weak QSB2	(2m13s)	PLdn	THU
6794kHz1820z	19/01[172 588 99] Very strong signal , low audio audio, QRM, QSB	FR		SUN
1820z	29/01[172x3 00000]1802z S9	M8		WED
6982kHz2000z	13/01 Fair, carrier only	(4m59s)	PLdn	MON
2000z	15/01 [981 1] 2005 Extremely weak QSB3	(4m59s)	V	WED
2000z	20/01 Very weak audio, unreadable		PLdn	MON
2000z	27/01[98n 4 .....000 000] Weak audio. Strong carrier	(11m58s)	PLdn	MON
2000z	29/01[981x3 1 Faded]	M8		WED
8194kHz1800z	19/01 Strong carrier, weak noise, low audio/couldn't hear anything	FR		SUN
1800z	29/01[172x3 00000]1802z S9	M8		WED

February 2014:



5449kHz2130z	06/02[744 000] Fair, DATAQRM2, volmet also audible	[as seen in above image]	(2m14s)	PLdn	THU
2130z	20/02[744 000] Strong, VOLMETQRM2		(2m14s)	PLdn	THU
2130z	27/02[744 000] Fair, VOLMETQRM2		(2m14s)	PLdn	THU

5824kHz2040z	19/02[Msg too poor to copy] ????		tiNG, PLdn	WED
2040z	24/02[798 x 3 1 160 61 95149.....07178 000 000]2048z S9		M8	MON
5924kHz2040z	26/02[798 x 3 1 too weak to copy]		M8	WED
6777kHz2110z	06/02[744 000] Weak audio, strong carrier	(2m14s)	PLdn	THU
2110z	20/02[744 000] Weak audio, strong carrier	(2m14s)	PLdn	THU
2110z	27/02[744 000] Fair	(2m14s)	PLdn	THU
6924kHz2020z	12/02[798 798 798 000 R2m] 2022z QSA2 QRM1 QRN3 QSB3		tiNG	WED
2020z	17/02[too weak to copy]		M8	MON
2020z	19/02[Msg too poor to copy] ????		tiNG, PLdn	WED
2020z	24/02[798 x 3 1 160 61 95149.....07178 000 000]2028z S4		M8	MON
2020z	26/02[798 x 3 1 too weak to copy]		M8	WED
7724kHz2000z	12/02[000] Very weak		PLdn	WED
2000z	19/02[798 1 160 61 99149 ... 07178 00000]		Ary	WED
	798 1 160 61 99149 44830 70128 71190 08617 73461 72991 09308 53545 65159 71175 48986 89228 23222 28372 57993 90214 74969 32602 07778 34913 90165 98330 83895 22722 40075 99249 86884 68156 28526 10441 81090 10347 27352 66328 54895 19031 83754 74197 92569 85964 79091 49043 69241 30209 05947 65547 53148 63598 53390 55306 76441 58241 88599 78087 22230 51851 71316 10903 56885 07178 000 000 Courtesy Ary			
2000z	24/02[798 x 3 1 160 61 95149.....07178 000 000]2008z S6	[note first grp, poor nines]	M8	MON
9119kHz1820z	12/02[215 000] Weak		tiNG, PLdn	WED
1820z	16/02[215 215 215 000 R1m – TX suddenly off – back on 1822z] 1824z QSA5 QRM1 QRN2 QSB1		tiNG	SUN
	Hum on sig until 1825z			
1820z	19/02[215 000] Extremely weak	(2m13s)	PLdn, M8	WED
1820z	23/02[215 x 3 000.....]1822z S4		M8	SUN
1820z	26/02[215 000] Weak	(2m13s)	PLdn	WED
10219kHz1800z	12/02[215 000] Weak audio, fair carrier		tiNG, PLdn	WED
1800z	16/02[215 215 215 000] Heavy humming within the transmission, ended when TX turned off at 1803z		tiNG	SUN
1800z	19/02[215 000] Weak audio, fair carrier	(2m13s)	PLdn, M8	WED
1800z	23/02[215 x 3 000.....]1802z S6		M8	SUN
1800z	26/02[215 000] Weak and noisy, odd character	(2m13s)	PLdn	WED

E07a

RNGB's logs then onto others;

E07a January log:

Friday 3rd	16:10	7632	'688' 000
	16:30	6832	'688' 000
Friday 10th	16:10	7632	'688' 000
Saturday 11th	09:00	11123	'114' 000
Wednesday 15th	21:00	5864	'815' 1 33925 8434 67 76263 09327 10985.....33947 70331
Friday 17th	16:10	7632	'688' 1 14430 7871 81 20253 16924 64156 86069.....12224 77266
	16:50	5832	'688' 1 14430 7871 81 20253 16924 64156 86069.....12224 77266
Wednesday 22nd	21:20	5164	'815' 1 12016 5665 81 87732 75856 70894 27865.....45174 93224 000 000
Saturday 25th	09:00	11123	'114' 000
Friday 31st	16:10	7632	'688' 000

E07a February log:

Saturday 1st	09:00	11053	'015' 000
Friday 14th	16:10	9347	'318' 000
Saturday 15th	09:00	11053	'015' 000

Others' Logs:

January 2014:

4564kHz 2140z	15/01[815 1 33925 8434 67 76263 ... 70331 000 000] Very strong	(8m21s)	Spectre, PLdn	WED
2140z	22/01[815 1 12016 5665 81 87732 ... 93224 000 000] Very strong	(9m09s)	PLdn	WED
	E07a 5864/5164/4564kHz 2100/2120/2140z 15/01 Transcript:			
	815 1 33925 8434 67 76263 09327 10985 66208 60971 22463 36779 24016 50616 38128 38921 37593 95390 87854 32405 91538 48412 31701 75389 94310 88492 41183 62335 51712 51670 14069 71870 61622 68121 92951 55580 47943 46686 99557 18222 03984 20675 90122 72228 05267 42512 52172 67887 64806 82121 34413 98456 67274 76152 52534 42329 94849 37078 73202 33510 28014 14949 63140 76454 28237 08929 24591 68755 16796 57888 33947 70331 000 000 Courtesy Spectre			
5146kHz0530z	02/01[188 000] Very strong	(2m08s)	PLdn	THU
0530z	09/01[188 000] Very strong	(2m08s)	PLdn	THU
0530z	16/01[188 1 33925 8434 67 76263 ... 70331 000 000] Very strong, QRM2	(8m21s)	Spectre, PLdn	THU
0530z	23/01[188 1 12016 5665 81 87732 ... 93224 000 000] Very strong	(9m09s)	PLdn	THU
0530z	30/01[188 000] Very strong	(2m08s)	CHPA, PLdn	THU

5164kHz2120z	01/01[815 000] Fair	(2m08s)	PLdn	WED
2120z	08/01[815 000] Very strong	(2m08s)	PLdn	WED
2120z	15/01[815 1 33925 8434 67 76263 ... 70331 000 000] Very strong	(8m21s)	Spectre, PLdn	WED
2120z	22/01[815 1 12016 5665 81 87732 ... 93224 000 000] Very strong	(9m09s)	PLdn	WED
2120z	29/01[815 000] Very strong	(2m08s)	PLdn	WED
5832kHz1640z	17/01[688 1 14430 7871 81 20253 ... 77266 000 000] Very strong	(9m29s)	PLdn	FRI
5846kHz0550z	02/01[188 000] Very strong	(2m08s)	PLdn	THU
0550z	09/01[188 000] Very strong	(2m08s)	PLdn	THU
0550z	16/01[188 1 33925 8434 67 76263 ... 70331 000 000] Very strong, QRM2	(8m21s)	Spectre, PLdn	THU
0550z	23/01[188 1 12016 5665 81 87732 ... 93224 000 000] Very strong	(9m09s)	PLdn	THU
0550z	30/01[188 000] Very strong	(2m08s)	PLdn	THU
5864kHz2100z	01/01[815 000] Weak	(2m08s)	PLdn	WED
2100z	08/01[815 000] Very strong	(2m08s)	PLdn	WED
2100z	15/01[815 1 33925 8434 67 76263 ... 70331 000 000] Very strong	(8m21s)	Spectre, PLdn	WED
2100z	22/01[815 1 12016 5665 81 87732 ... 93224 000 000] Very strong	(9m09s)	PLdn	WED
2100z	29/01[815 000] Very strong	(2m08s)	PLdn	WED
6832kHz1630z	03/01[688 000]		HFD	FRI
1630z	10/01[688 688 688 000 (R2)] Good sig		BR	FRI
1630z	17/01[688 1 14430 7871 81 20253 ... 77266 000 000] Very strong	(9m29s)	PLdn	FRI
1630z	24/01[688 000] Very strong	(2m08s)	PLdn	FRI
1630z	31/01[688 000] Fair	(2m08s)	PLdn	FRI
6846kHz 0610z	16/01[188 1 33925 8434 67 76263 ... 70331 000 000] Weak	(8m21s)	Spectre, PLdn	THU
0610z	23/01[188 1 12016 5665 81 87732 ... 93224 000 000] Very strong	(9m09s)	PLdn	THU
E07a 5146/5846/6546kHz 0530/0550/0610z 16/01 Transcript:				
188 1 33925 8434 67 76263 09327 10985 66208 60971 22463 36779 24016 50616 38128 38921 37593 95390 87854 32405 91538 48412 31701 75389 94310 88492 41183 62335 51712 51670 14069 71870 61622 68121 92951 55580 47943 46686 99557 18222 03984 20675 90122 72228 05267 42512 52172 67887 64806 82121 34413 98456 67274 76152 52534 42329 94849 37078 73202 33510 28014 14949 63140 76454 28237 08929 24591 68755 16796 57888 33947 70331 000 000 <i>Courtesy Spectre</i>				
7632kHz1610z	03/01[688 000]		HFD	FRI
1610z	10/01[688 688 688 000 (R2)] Good sig		BR	FRI
1610z	17/01[688 1 14430 7871 81 20253 ... 77266 000 000] Very strong	(9m29s)	PLdn	FRI
688 1 14430 7871 81 20253 16924 64156 86069 49144 32181 56439 21359 37935 69367 43028 92973 04256 38229 93409 87406 10743 48887 72721 55897 84366 00998 21576 68353 00774 04884 16817 05599 07681 04432 10795 96086 69919 18142 06918 09353 51974 77958 88044 36256 26809 52249 66012 37528 16325 28660 20382 25356 88730 01031 30992 21700 71854 38157 37823 97455 03990 01066 24513 64869 52471 94259 74642 32024 80002 50083 72163 99014 26697 48058 20039 00940 67885 03203 20353 68505 12994 29025 10500 12224 77266 000 000 <i>Courtesy Topol</i>				
1610z	24/01[688 000] Very strong	(2m08s)	PLdn	FRI
1610z	31/01[688 000] Fair	(2m08s)	PLdn	FRI
11123kHz0900z	04/01[114 114 114 000] Weak, noisy	(2m08s)	PLdn	SAT
0900z	11/01[114 114 114 000] Weak, noisy	(2m08s)	PLdn	SAT
0900z	18/01[114 1 14430 7871 81 20253 ... 77266 000 000] Fair	(9m29s)	FR, PLdn	SAT
0900z	25/01[114 000] Fair	(2m08s)	PLdn, GD	SAT
12123kHz0920z	04/01[114 114 114 000] Fair	(2m08s)	PLdn	SAT
0920z	11/01[114 114 114 000] Fair	(2m08s)	PLdn	SAT
0920z	18/01[114 1 14430 7871 81 20253 ... 77266 000 000] Fair	(9m29s)	FR, PLdn	SAT
0920z	25/01[114 000] Very strong	(2m08s)	PLdn	SAT
13423kHz0940z	18/01[114 1 14430 7871 81 20253 ... 77266 000 000] Fair	(9m29s)	FR, PLdn	SAT
114 1 14430 7871 81 20253 16924 64156 86069 49144 32181 56439 21359 37935 69367 43028 92973 04256 38229 93409 87406 10743 48887 72721 55897 84366 00998 21576 68353 00774 04884 16817 05599 07681 04432 10795 96086 69919 18142 06918 09353 51974 77958 88044 36256 26809 52249 66012 37528 16325 28660 20382 25356 88730 01031 30992 21700 71854 38157 37823 97455 03990 01066 24513 64869 52471 94259 74642 32024 80002 50083 72163 99014 26697 48058 20039 00940 67885 03203 20353 68505 12994 29025 10500 12224 77266 000 000 <i>Courtesy FR</i>				

February 2014

4564kHz2140z	26/02[815 1 12016 5665 81 87732 ... 93224 000 000] Very strong	Rpt 2100z 22/01	(9m09s)	JkC, Spectre	WED
5146kHz0530z	06/02[188 000] Very strong		(2m08s)	PLdn	THU
0530z	06/02[188 000] Very strong		(2m08s)	PLdn	THU
0530z	20/02[188 000] Very strong		(2m08s)	PLdn	THU
0530z	27/02[188 1 12016 5665 81 87732 ... 93224 000 000] Very strong	Rpt 2100z 23/01	(9m09s)	PLdn	THU
5164kHz2120z	05/02[815 000] Very strong		(2m08s)	PLdn	WED
2120z	12/02[815 000] Very strong		(2m08s)	PLdn, Spectre	WED
2120z	19/02[815 000] Very strong		(2m08s)	PLdn, Spectre	WED
2120z	26/02[815 1 12016 5665 81 87732 ... 93224 000 000] Very strong	Rpt 2100z 22/01	(9m09s)	JkC, Spectre	WED
5846kHz0550z	06/02[188 000] Very strong		(2m08s)	PLdn	THU
0550z	06/02[188 000] Very strong		(2m08s)	PLdn	THU
0550z	20/02[188 000] Very strong		(2m08s)	PLdn	THU
0550z	27/02[188 1 12016 5665 81 87732 ... 93224 000 000] Very strong	Rpt 2100z 23/01	(9m09s)	PLdn	THU
5864kHz2100z	05/02[815 000] Very strong		(2m08s)	PLdn	WED
2100z	12/02[815 000] Very strong		(2m08s)	PLdn, Spectre	WED
2100z	19/02[815 000] Very strong		(2m08s)	PLdn, Spectre	WED
2100z	26/02[815 1 12016 5665 81 87732 ... 93224 000 000] Very strong	Rpt 2100z 22/01	(9m09s)	PLdn, Spectre	WED
6846kHz0610z	27/02[188 1 12016 5665 81 87732 ... 93224 000 000] Very strong	Rpt 2100z 23/01	(9m09s)	PLdn	THU
5864/5164/4564kHz 2100/2120/2140z 26/02 815 1 12016 5665 81 87732 75856 70894 27865 11547 98271 70283 83334 00304 40430 37471 50790 83696 72271 48379 66347 30847 64193 76131 17983 83792 93807 96126 18182 17668 26727 48203 97479 74736 41816 20280 23723 69854 76496 43493 90177 52590 50244 71740 98386 27884 74316 06576 52570 68869 83682 57850 29684 05489 61657 56884 79571 61302 96238 21915 07161 80683 22770 85792 24977 35975 09854 35421 72294 59689 76537 33767 88697 01186 80767 06818 20974 14577 72378 15683 14312 65966 52097 52095 45174 93224 000 000 <i>CourtesySpectre and JkC</i>					
6847kHz1650z	28/02[318 1 13723 2370 77 54876 ... 54027 000 000] Strong		(9m08s)	PLdn	FRI
8147kHz1630z	14/02[318 000] Strong, QRM2		(2m08s)	PLdn	FRI
1630z	21/02[318 000] Strong, QRM2		(2m08s)	PLdn	FRI
1630z	28/02[318 1 13723 2370 77 54876 ... 54027 000 000] Strong		(9m08s)	PLdn	FRI
9347kHz1610z	14/02[318 000] Strong		(2m08s)	PLdn	FRI
1610z	21/02[318 000] Weak		(2m08s)	PLdn	FRI
1610z	28/02[318 1 13723 2370 77 54876 ... 54027 000 000] Strong		(9m08s)	PLdn	FRI
11053kHz0900z	01/02[015 000] Fair		(2m08s)	PLdn	SAT
0900z	08/02[015 000] Fair		(2m08s)	PLdn	SAT
0900z	15/02[015 000] Fair, QRM2		(2m08s)	PLdn	SAT
0900z	22/02[015 000] Weak, QSB3		(2m08s)	PLdn	SAT
12153kHz0920z	01/02[015 000] Fair		(2m08s)	V, PLdn	SAT
0900z	08/02[015 000] Strong		(2m08s)	PLdn	SAT
0900z	15/02[015 000] Strong		(2m08s)	PLdn	SAT
0920z	22/02[015 000] Strong		(2m08s)	PLdn	SAT

PoSW's logs:

Wednesday Schedule, 2100 UTC Start:-

8-Jan-14:- 2100 UTC, 5,864 kHz, "815 815 815 000".

2120 UTC, 5,164 kHz, continues in the New Year on the expected frequencies.

5-Feb-14:- 2100 UTC, 5,864 kHz, and 2120 UTC, 5,164 kHz, "815 815 815 000". Both transmissions very strong SSB signals.

Saturday Schedule, 0900 UTC Start:-

11-Jan-14:- 0900 UTC, 11,123 kHz, "114 114 114 000", strong signal.

0920 UTC, 12,123 kHz, second sending, also strong. Same frequencies as in January last year.

18-Jan-14:- 0900 UTC, 11,123 kHz, a "full message" this morning, "114 114 114 1 14430", DK/GC "7871 81" x 2. S9 signal.

0920 UTC, 12,123 kHz, second sending, also S9.

0940 UTC, 13,423 kHz, third sending on the expected frequency, another S9 signal.

25-Jan-14:- 0900 UTC, 11,123 kHz, and 0920 UTC, 12,123 kHz, "114 114 114 000", both strong signals.

1-Feb-14:- 0900 UTC, 11,053 kHz, "015 015 015 000", S6 to S7 with an FSK signal idling on a close frequency.

0920 UTC, 12,153 kHz, second sending, stronger signal, peaking S9.

22-Feb-14:- 0900 UTC, 11,053 kHz, that FSK idler is still there, and 0920 UTC, 12,153 kHz, "015 015 015 000".

E11[III]**E11 Jan/Feb log:**

4146kHz	1855z	14/02 [262/00] Out 1858z QSA5 QRM1 QRN2 QSB1	Thomas	FRI
4441kHz	1445z	01/01 [287/00] Fair	RNGB	WED
	0900z	02/01 [248/00] Fair	RNGB	THU
	1445z	04/01 [287/00]	RNGB	SAT
	0900z	25/01 [248/00] Fair	RNGB	SAT
	1445z	25/01 [287/00] 1448z Weak	Tony	SAT
	0900z	01/02 [248/00]	RNGB	SAT
	1445z	26/02 [287/00] tid Fair QRM 2	CHPA	WED
5082kHz	1730z	02/01 [416/00] Good	RNGB	THU
	1730z	23/01 [416/00]	Vassilis	THU
	1730z	30/01 [416/00] Out 1733z S7 QRM	Malc	THU
	1730z	13/02 [416/00] 1733z QSA5 QRM1 QRN1 QSB1	Thomas	THU
	1730z	20/02 [416/00]	RNGB, JkC	THU
	1730z	27/02 [416/00]	RNGB	THU
5779kHz	0315z	16/01 [253/00] Weak	Vassilis	THU
	0315z	22/01 [253/00] Strong	PLondon	WED
	0315z	23/01 [253/00]	PLondon	THU
	0315z	12/02 [253/00] 0318z Very strong (3m22s)	PLondon	WED
	0315z	19/02 [253/00] Good	RNGB	WED
	0315z	26/02 [253/00] Extremely strong (3m22s)	PLondon	WED
	0315z	27/02 [253/00] Out 0318z Very strong (3m23s)	PLondon	THU
6304kHz	2000z	17/01 [576/00] Strong	RNGB	FRI
	2000z	14/02 [576/00]	RNGB	FRI
	2000z	21/02 [576/00] Good	RNGB, Malc	FRI
7840kHz	0645z	16/01 [517/00] Strong	CHPA	THU
	0645z	18/02 [517/00]	RNGB	TUE
8088kHz	0820z	02/01 [438/00]	RNGB	THU
	0820z	06/01 [438/00]	RNGB	MON
	0820z	13/01 [438/00]	RNGB	MON
	0820z	16/01 [438/00]	Brixmis	THU
	0820z	27/01 [438/00]	Malc	MON
	0820z	30/01 [438/00] Out 0823z S5	Malc	THU
	0820z	10/02 [438/00]	RNGB	MON
	0820z	13/02 [438/00] 0823z Strong QRM2	CHPA	THU
	0820z	24/02 [438/00]	RNGB	MON
8091khz	1045z	21/01 [469/00] Fair	RNGB	TUE
	1045z	04/02 [469/00]	RNGB	TUE
	1045z	18/02 [469/00]	RNGB	TUE
	1045z	25/02 [469/00]	RNGB	TUE
9443kHz	1705z	15/02 [392/00] Good	RNGB	SAT
9446kHz	0900z	01/01 [534/00] Good	RNGB	WED
	0830z	06/01 [649/00]	RNGB, Malc	MON
	0900z	06/01 [534/00]	RNGB, Malc	MON
	0900z	08/01 [534/00]	RNGB	WED
	0830z	13/01 [649/00]	RNGB	MON
	0900z	15/01 [534/00]	RNGB	WED
	0830z	17/01 [649/00]	Fox	FRI
	0830z	20/01 [649/00] Out 0833z S6	Malc	MON
	0830z	24/01 [649/00]	Brixmis	FRI
	0900z	27/01 [534/00]	Malc	MON
	0830z	03/02 [649/00] Out 0833z S3	Malc	MON
	0900z	03/02 [534/00] Out 0903z S1	Malc	MON
	0900z	05/02 [534/00]	RNGB	WED
	0830z	07/02 [649/00] Very strong signal	Fox	FRI
	0830z	10/02 [649/00]	RNGB	MON
	0900z	12/02 [534/00]	RNGB	WED
	0830z	14/02 [649/00]	RNGB	FRI
	0900z	17/02 [534/00] Fair	RNGB	MON
	0900z	19/02 [534/00]	RNGB	WED
	0830z	24/02 [649/00]	RNGB	MON
9950kHz	0930z	26/02 [270/00] Strong	RNGB	WED
10800kHz	0710z	03/01 [633/00]	RNGB	FRI
	0710z	17/01 [633/00] Good	RNGB, Fox	FRI
	0710z	21/01 [633/00]	RNGB	TUE
	0710z	31/01 [633/00]	RNGB	FRI
	0710z	14/02 [633/00] Out 0713z Fair QRM 3	CHPA	FRI
	0710z	18/02 [633/00]	RNGB	TUE
	0710z	25/02 [633/00]	RNGB	TUE

12153kHz	1045z	14/01 [576/00]		Brixmis	TUE
	1045z	21/01 [576/00] Strong		RNGB	TUE
	1045z	11/02 [576/00]		RNGB	TUE
	1045z	18/02 [576/00]		RNGB	TUE
	1045z	25/02 [576/00] Good		RNGB	TUE
14666khz	1300z	01/01 [133/00] Good		RNGB, Thomas	WED
	1300z	07/01 [133/00]		Malc	TUE
	1300z	14/01 [133/00]		Elmar	TUE
	1300z	05/02 [133/00]		RNGB	WED
	1300z	25/02 [133/00]		Malc	TUE
15632kHz	1155z	01/01 [718/00] Out 1158z QSA5 QRM1 QRN1 QSB1		Thomas	WED
	1540z	05/01 [228/00]		Gary	SUN
	1155z	09/01 [718/00]		RNGB	THU
	1540z	13/01 [228/00] 1543z Very Strong		Tony	MON
	1540z	19/01 [228/00]		Gary	SUN
	1155z	22/01 [718/00]		RNGB	WED
	1540z	27/01 [228/00]		Malc	MON
	1155z	29/01 [718/00]		Malc	WED
	1155z	30/01 [718/00]		RNGB	THU
	1155z	05/02 [718/00] Out 1158z S7		Malc	WED
	1155z	12/02 [718/00] Out 1158z Very Weak QSA3		CHPA, Malc	WED
	1540z	17/02 [228/00] Out 1543z		Malc	MON
	1540z	23/02 [228/00] Out 1543z S9+10		Malc	SUN
	1540z	24/02 [228/00]		RNGB	MON
	1155z	26/02 [718/00] Out 1158z S9		Malc	WED
	1155z	27/02 [718/00]		RNGB	THU
16112kHz	0745z	02/01 [335/00] Good		RNGB	THU
	0745z	14/01 [335/00]		RNGB	TUE
	0745z	21/01 [335/00]		RNGB	TUE
	0745z	23/01 [335/00] mYL RST45		Brixmis	THU
	0745z	30/01 [335/00] mYL RST45		Brixmis, Malc	THU
	0745z	04/02 [335/00]		RNGB	TUE
	0745z	13/02 [335/00] Out 0748z S9+10		Malc	THU
	0745z	18/02 [335/00]		RNGB	TUE
E11a Jan/Feb log:					
4146kHz	1855z	28/02 [262/35 Attention 61483 42005 ... 96928 41606] Out 1904z		Thomas	FRI
4441kHz	1445z	11/01 [287/37 80060 02029 96596 17164 92565.....79965]		Fox	SAT
	0900z	16/01 [243/33 74262 64652 0224... message lost ...] Weak QRM3		CHPA	THU
	1445z	12/02 [280/34 11470 ... 50550 Out] 1454z Fair QRM2		CHPA	WED
	0900z	13/02 [247/35] too weak to copy message QRM3 QSB3		CHPA	THU
5082kHz	1730z	09/01 [410/33 03956 33761 00540 99004 58041.....79215]		Fox	THU
	1730z	06/02 [410/30 91889 04566 21061 45668 25800.....19662]		Fox, Malc	THU
5779kHz	0315z	29/01 [259/37 73236 49175 78712 72488 26590.....19338]		Westslus, PLondon	WED
	0315z	06/02 [252/38 A 17796 ... 77527] Out 0326z Very strong (10m34s)		PLondon	THU
6304kHz	2000z	07/02 [573/31 55254 35306 etc] repeat of Tuesday 1045z/12153kHz		RNGB	FRI
6923kHz	1710z	03/01 [953/21 75362 83237 43098 19324 80438.....86318]		RNGB, Malc	FRI
	1710z	06/01 [953/21 75362 etc] repeat of Friday		RNGB	MON
	1710z	10/01 [957/25 10246 01313 50846 36872 91545.....42465]		Tony	FRI
	1710z	13/01 [951/27 14350 35126 40137 79577 08569.....85849]		Tony	MON
	1710z	17/01 [959/20 68593 63989 43718 00662 74646.....12733] Out 1717z Strong		Tony, RNGB	FRI
	1710z	20/01 [955/30 84357 74044 51332 61876 18325.....22379]		Tony	MON
	1710z	27/01 [958/30 54835 73744 13962.....65067] single repeat Out 1718z S5		Malc, RNGB	MON
	1710z	31/01 [955 20 66142 44444 43850 09848 76406.....30521] 1717z Strong		Tony	FRI
	1710z	03/02 [95?/20 42778.....71896] single repeat, Out 1717z S9		Malc	MON
	1710z	07/02 [953/20 31225 59645 09049 67362 13221.....39826]		RNGB, Malc	FRI
	1710z	10/02 [953/28 87135 49114 81528 19864 03721.....49935]		RNGB	MON
	1710z	17/02 [953/30 11935.....55237] single repeat, Out 1718z S4		Malc, Thomas	MON
	1710z	21/02 [958/20 12243 39345 15850 66096 99282.....04233]		RNGB	FRI
	1710z	28/02 [955/20 12201 66710 07645 11117 11105.....90599] Out 1717z Strong		JkC	FRI
7840kHz	0645z	13/02 [514/34 Attention 78305 ... 77354 Out] 0654z Strong QRM2		CHPA	THU
8088kHz	0820z	20/01 [435/33 23037 80121 81941 51325 35581.....56485] Out 0829z S6		Malc, RNGB	MON
	0820z	17/02 [432/36 50116 73373 47345 17164 56205.....31446]		RNGB	MON
8091kHz	1045z	28/01 [465/32 18651 15332 91839 35507 44548.....91005] Fair		RNGB	TUE
	1045z	12/02 [469/37 52971 01504 48552... 41970] Out 1056z Very Strong QRM2		CHPA, RNGB	WED
9443kHz	1705z	22/02 [399/35 15984 96233 27461 99527 32013.....44089] Good		RNGB, Malc	SAT

9446kHz	0900z	20/01 [533/37 18831 32161 84887 41784 87019.....14441]	Malc, RNGB	MON
	0900z	22/01 [533/37 18831 etc] repeat of Monday	Brixmis	WED
	0830z	27/01 [647/36 75554.....45996] single repeat Out 0839z S6	Malc	MON
	0830z	31/01 [647/36 75554..... etc] Repeat of Monday	Brixmis	FRI
	0830z	17/02 [647/30 16673 12684 18947 56568 60333.....20937]	RNGB	MON
	0900z	24/02 [534/30 25169 51696 05032 28720 95212.....99982] Fair	RNGB, Alex	MON
	0900z	26/02 [534/30..Attention 25169..... 99982] S1 Repeat of Monday	Malc	WED
9950kHz	0930z	19/02 [428/36 40327 12348 76285 71227 00770.....17118]	RNGB	WED
	0930z	20/02 [428/36.....Attention 40327 12348 etc] Repeat of Weds	Malc	THU
10213kHz	1810z	04/01 [984/10 17917 45653 11642 33582 11731.....36753] Fair to Good	RNGB	SAT
	1810z	11/01 [985/10 80484 44276 53860 87598 66325.....97706]	RNGB	SAT
	1810z	18/01 [980/10 47923 13023 82977 01668 67901.....23732]	Malc	SAT
	1810z	21/01 [986/10 45926 81872 20333 29060 70151.....38820] Fair	RNGB	TUE
	1810z	25/01 [982 10 84829 04139 07713 80830 68142.....37828] 1815z V. Strong	Tony	SAT
	1810z	04/02 [988/10 41552.....32974 Attention single repeat] Out 1815z S9	Malc	TUE
	1810z	11/02 [983/10 76952 57298 98714 85451 95202.....70277] S7	Malc	TUE
	1810z	15/02 [986/10 08738 33059 90569 44702 33612.....09586] Good	RNGB	SAT
	1810z	22/02 [985/10 19851 15615 13233 28732 89699.....95375] Good	RNGB, Malc	SAT
	1810z	25/02 [985/10 14827 80493 96257 34764 30221.....04655]	Malc	TUE
10690kHz	1400z	04/01 [981/10 99205 19678 29745 21473 74065.....60254]	RNGB	SAT
	1400z	11/01 [984/10 14389 52222 79441 71506 02931.....14801]	RNGB	SAT
	1400z	14/01 [982/10 04854 53708 14119 68058 .....04922]	Brixmis	TUE
	1400z	18/01 [985/10 21691 54353 13430 50477 74002.....30795]	Fox, Malc, Tony	SAT
	1400z	21/01 [984/10 55702 78858 73132 76079 14554.....77397]	RNGB	TUE
	1400z	25/01 [987/10 94795 91295.....03275] Out 1346z	Brixmis	SAT
	1400z	01/02 [983/10 93764 54685 66022 29376 64474.....95698]	Fox	SAT
	1400z	15/02 [984/10 51275 54088 49803 55631 67745.....66078] S8	Malc	SAT
	1400z	18/02 [986/10 79540 95787 18313 71091 49243.....18098]	RNGB	TUE
	1400z	22/02 [983/10 46246 47634 42966 00954 04647.....58727]	RNGB	SAT
	1400z	25/02 [983/10 18560 86429 01556 63489 16722.....10013]	Malc	TUE
10800kHz	0710z	07/01 [635/37 98192 00334 52976 40877 68356.....41217] Out 0720z Good	RNGB	TUE
	0710z	10/01 [635/37 98192 etc] repeat of Tuesday	Fox	FRI
	0710z	04/02 [635/38 98179 70157 32582 07702 77711.....63079]	RNGB	TUE
12153kHz	1045z	28/01 [573/37 56743 04744 34240 12485 25502.....00073] Strong	RNGB	TUE
	1045z	04/02 [573/31 55254 35306 41766 33233 82934.....73164]	RNGB	TUE
14410kHz	1110z	03/01 [952/31 27878 37800 22439 30968 83566.....59596] Good	RNGB, Malc	FRI
	1110z	06/01 [952/31 27878 etc] repeat of Friday	RNGB	MON
	1110z	10/01 [952/32 25760 04411 88343 02998 82614.....37442] Good	RNGB, Fox	FRI
	1110z	17/01 [954/35 37433 52664 59884 93782 10548.....29372] Fair	RNGB	FRI
	1110z	20/01 [959/40.....Attention 06994.....27026]	Malc	MON
	1110z	27/01 [950/30 65729 48080 13843.....00996] single repeat, Out 1118z S3	Malc, RNGB	MON
	1110z	31/01 [956/30 76804 34881 44379 67698 16549.....60516] Out 1118z	Malc	FRI
	1110z	03/02 [956/30 98867.....80519] single repeat Out 1119z S9	Malc	MON
	1110z	07/02 [952/40 57894 47083 33565 01905 06310.....92734] Good	RNGB	FRI
	1110z	10/02 [958/40 22952 98355 60846 92730 73964.....71625]	RNGB	MON
	1110z	14/02 [955/40 56430 68848 65616 68977 93383.....85800]	RNGB, CHPA	FRI
	1110z	17/02 [952/40 99644.....05179] single repeat, Out 1120z S8	Malc	MON
	1110z	24/02 [956/33 33488 48445 05142 80950 12129.....79404]	RNGB	MON
	1110z	28/02 [954/32 25246 73620 58884 59803 22961.....47696]	RNGB, Gert	FRI
14666kHz	1300z	21/01 [133/35 96932 56801 46699 43781 83706.....57922] Strong	RNGB, Vassilis	TUE
	1300z	22/01 [133/35 96932 etc] repeat of Tuesday. Started V.strong, faded at end	Brixmis	WED
	1300z	18/02 [132/37 02994 66802 88141 40278 13679.....62070]	RNGB	TUE
15632kHz	1540z	06/01 [228/32 90998 29500 43494 85465 26805.....] Weak	RNGB	MON
	1540z	03/02 [224/36 28798.....19744] single repeat, Out 1549z S9	Malc	MON
	1540z	09/02 [224/36 28798 87962 39723 60030 52882.....19744]	RNGB	SUN
	1155z	19/02 [713/33 Attention 22031.....68720] Out 1204z S9	Malc	WED
	1155z	20/02 [713/33 22031 29850 46891 56830 63576.....68720]	RNGB	THU
16112kHz	0745z	07/01 [332/30 04952 73934 84157 59726 89749.....07243] Out 0754z Good	RNGB	TUE
	0745z	25/02 [338/36 43711 88747 88013 29811 98001.....75835] Strong	RNGB	TUE

E17z
January 2014:

9820kHz	0810z	02/01[674 908 5 46062 68672 97478 39685 30485 908 5 00000]0805z S7	M8	THU
11170kHz	0800z	02/01[674 908 5 46062 68672 97478 39685 30485 908 5 00000]0805z S7	M8, RNGB	THU

Repeated often; see RNGB's files over
:

And repeated again on S06s 5810kHz 0800z 03/02/2014 was a repeat of the E17z message 0800/0810z 02/01 as recorded by RRGB: 278 463 5 46062 68672 97478 39685 30485

9820kHz0810z	16/01[674 238 5 80744 86200 84702 42227 64726 238 5 00000(s)] 0815z Fair QRN3 QSB3	Spectre	THU
0810z	23/01[674 238 5 80744 86200 84702 42227 64726 238 5 00000(s)] 0815z Fair ORN3 QSB3	Spectre	THU

9820kHz0810z 30/01[674x3 000.....]0804z S2 M8 THU

11170kHz0800z 30/01[674x3 000.....]0804z S1 M8 THU

11170kHz0800z	06/02[674 239 5 53516 25616 56069 96813 14199 239 5 00000]	strong Sig Twente,SDR	Elm, M8	THU
This message has been sent before by S06s [RNGB]				
Thurs 7 Mar 2013	09:30	8650 314 982 5	53516 25616 56069 96813 14199	
Tues 24 Jul 2012	07:00	6780 374 591 6	53516 25616 56079 96813 14199 42036	

9820kHz0810z 13/02[674.....]0815z S1 M8 THU

11170kHz0800z	13/02[674.....]0805z S3 fading	M8	THU
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E25/E25a & UNID 9400

Last December the E25 report was sent and not received at E2k. We apologise for this loss and can only surmise that Yahoo's incessant bugging around with their product

caused this loss.

We present the E25 Desk's report which will then lead on to the latest logs and further reports. Again, our apology for its omission.

E25 - NOVEMBER. 6140kHz

[illegible]

MESSAGE 1015 4240 6011 9544 4464 9634 6647 4747 5206 8205 7240 REBEAT REBEAT REBEAT 1015 7240 6011 9544 4464 9634 6647 4747 5206 8205
7240 END

OF MESSAGE END OF TRANSMISSION]/// BAD AUDIO. DRIFTING CARRIER/XMTR. STRONG END OF MESSAGE END OF XMSN 0833z AIK/MG
TUE

[illegible]

MESSAGE 5523 3102 4045 5755 7650 0625 4626 7028 6732 4827 4495 2731 REBEAT REBEAT REBEAT 5523 3102 4045 5755 7650 0625 4626 7028 6732 4827 4495

2731 END OF MESSAGE END OF TRANSMISSION] STRONG END OF MESSAGE END OF XMSN 1033z AIK TUE

[illegible]

E25 - DECEMBER, 9450kHz
SCRATCH

[illegible]

E25a - NOVEMBER, 9450kHz
SCRATCH

[illegible]

END OF MESSAGE END OF XMSN 0848z AIK SUN

[illegible]

355 1 355 1 355 1 355 1 355 1 355 1 355 1 MESSAGE MESSAGE MESSAGE REPEAT REPEAT REPEAT END OF MESSAGE] STRONG END OF MESSAGE 1002z

[illegible]

255 17 255 17 255 17 255 17 255 17 255 17 255 17 255 17 255 17 MESSAGE MESSAGE MESSAGE REBEAT REBEAT REBEAT END
OF

MESSAGE] ///XMSN/CARRIER CONTINUES W/O INTERRUPTION FOR ANOTHER MSG @ 0758z. FAIR END OF MESSAGE END OF XMSN 0748z
AIK MON

[illegible]

255 19 255 19 255 19 255 19 255 19 255 19 255 19 255 19|///WINDOWS NOISE BEFORE MSG. STRONG 19 0757z AIK MON

[illegible]

187 30 187 30 187 30 187 30| FAIR 30 0817z AIK TUE

[illegible]

364 2 364 2 364 2 (BRIEF BEGINNING OF "3" OR "MES")|///XMTR ON 3 MIN BEFORE START OF MESSAGE. FAIR 2 0803z AIK THU

[illegible]

255 20 255 20 255 20 255 20 255 20 255 20 255 20 255 20 END OF MESSAGE END OF TRANSMISSION] STRONG END OF MESSAGE END OF XMSN
0748z AIK MON

E25a - DECEMBER, 9450kHz
SCRATCH

UNID 9400 - NOVEMBER...

UNID 9400kHz 0853z 08/11 ///INTRO AND END TONE. MUSIC, USES A DARBUKA AND A CLARINET(?) PROMINENTLY – SOUNDS LIKE ABDEL HALIM HAFEZ.

MORE YA-HABIBI STUFF MAYBE FROM ONE OF HIS MOVIES. FAIR - 0916z AIK FRI

UNID 9400kHz 0957z 08/11///STRICTLY A TONE. FAIR - 1015z AIK FRI

UNID 9400kHz 0920z 09/11 ///TONE W/ ADJUSTMENT NOISES. OVER-MODULATED FAIR - 0924z AIK SAT

UNID 9400kHz 1021z 09/11 ///INTRO AND END TONE. MUSIC – UHM KHULTHOM, UNK SONG, OVER-MODULATED. FAIR - 1037z AIK SAT

UNID 9400kHz 0921z 10/11 ///TONE W/ ADJUSTMENT NOISES. FAIR - 0927z AIK SUN

UNID 9400kHz 1052z 10/11 ///INTRO TONE. MUSIC. NAJAT AL-SAGHRIA? SONG UNK. FAIR - 1123z AIK SUN

UNID 9400kHz 1034z 13/11 ///BLANK CARRIER I.P. QSA5, QSB3 - 1036z MG WED

UNID 9400 - DECEMBER...
SCRATCH

0926z 31/12 YL [333 MESSAGE MESSAGE
MESSAGE 5090 8120 1125 3889 8749 7530 0632 1032 8120 REBEAT REBEAT REBEAT 5090 8120 1125 3889 8749 7530 0632 1032 8120 END OF
MESSAGE END OF TRANSMISSION] FAIR END OF MESSAGE END OF XMSN 0938z AIK TUE

0947z 27/01 YL [350... 1023 4230 3011 1158 6563 1322 7569 2495 2906 8535 4230]///IO, WinXP sound, break, EOM only, AM. Two failed attempts for 350 occurred earlier, at 0921z and 0925z, with only the intro music "Inte Omri" and part of the call procedure. The usual TX time for 350 is 0945z. QSA2, QSB2
END OF MESSAGE 0952z MG MON

0833z 29/01 YL [333 373 333 373 333 373 333 373 333 373 333 373 333 373 333 373 333 373 373 373 373 MESSAGE MESSAGE MESSAGE
8031 2160 4581 8421 7835 3035 2373 9050 3231 0983 3264 1035 2160 REBEAT REBEAT REBEAT 8031 2160 4581 8421 7835 3035 2373 9050 3231 0983
3264 1035 2160 END OF MESSAGE END OF TRANSMISSION]///”WINDOWS XP” SOUNDS AUDIBLE. WEAK (QSA4-MG) END OF MESSAGE END
OF XMSN 0839z AIK, MG WED

1215z 02/01 YL[830 3 835... 1080 6230 5492 8324 0261 9625 6230 7325]///Intro song "Inte Omri" (IO), WinXP shutdown chime prior QRT, AM. QSA5 - 1226z
MG THU

1213z 18/01 YL [835... 3071 7230 6176 8196 6467 8316 8732 6770 2884 6232 2693 3884 7950 3185 1543 7230 5767]///Carrier 1208z, WinXP sounds, intro music "Inte Omri", call initially sent as 88355, AM. QSA5 - 1221z MG SAT
E25 9450kHz 1213z 19/01 YL [835... 3071 7230 6176 8196 6467 8316 8732 6770 2884 6232 2693 3884 7950 3185 1543 7230 5767]///Carrier 1201z, Same MSG as one on 18/01. "Intre Omri" intro, AM. QSA5 - 1222z MG SUN

1200z 22/01 YL [270 275... 1032 1080 8070 4432 2858 3175 8254 8070 REPEAT REPEAT REPEAT 1032 1080 8070 4432 2858 3175 8254 8070 END OF MESSAGE] STRONG END OF MESSAGE ? ElmarE2Kde WED

1200z 28/01 YL [275 270 3 22222 MESSAGE MESSAGE MESSAGE 8210 4090 0220 0520 3863 3145 5339 8007 0220 REBEAT REBEAT REBEAT 8210
4090 0220 0520 3863 3145 5339 8007 0220 END OF MESSAGE END OF TRANSMISSION] STRONG END OF MESSAGE END OF XMSN ? ElmarE2Kde
TUE

0824z 03/02 YL [1 185 185 185 185 185 185 185 185 185 185 185 185 185 MESSAGE MESSAGE MESSAGE 3197 1540 2526 4248 0594 9682 4516
REBEAT REBEAT REBEAT 3197 1540 2526 4248 0594 9682 4516 END OF MESSAGE END OF TRANSMISSION] WEAK END OF MESSAGE END OF
XMSN 0827z AIK MON

0813z 04/02 YL [1 185 185 185 185 185 185 185 185 185 185 185 185 MESSAGE MESSAGE MESSAGE 3197 1540 2526 4248 0594 9682 4516
REPEAT REPEAT REPEAT 3197 1540 2526 4248 0594 9682 4516 END OF MESSAGE END OF TRANSMISSION]///REPEAT OF 03/02 MSG. FAIR END
OF MESSAGE END OF XMSN 0819z AIK TUE

0714z 10/02 ///DRIFTING CARRIER ONLY, WARM-UP XMSN. ON AND OFF SEVERAL TIMES. SEE "E25a" MSGS 10/02. FAIR - 0717z AIK MON

0657z 18/02 YL & OM (LIVE) [804 804 804 804 804 804 804 804 804 804 MESSAGE MESSAGE MESSAGE 2788 1520 0996 1067 1623 ** 7604 2540 9669 7516 9501 6175 1520 4031 REBEAT REBEAT REBEAT 2788 1520 0996 1067 1623 7604 2540 9669 7516 9501 6175 1520 4031 END OF MESSAGE END OF TRANSMISSION]///MSG STARTS AT 0700z. DRIFTING CAIRIER AT START. THIS MSG IS ACTUALLY SAME MSG REPEATED TWICE – ONE IS SUPERIMPOSED OVER THE OTHER THOUGH STAGGERED. THE OM BASICALLY STARTS IT AND AT THE ** THE YL BEGINS WITH “HER” 804s. THE OM VOICE IS IN THE USB ONLY WHILE THE YL IS IN AM. WINDOWS “DINGS” ARE HEARD THROUGHOUT THE ENTIRE XMSN HERE AND THERE. MSG ITSELF ACTUALLY ENDS AT 0705z. THIS MSG IS REPEATED 19/02 END OF MESSAGE END OF XMSN STRONG 0711z AIK TUE

0649z 19/02 YL [804 804 804 804 804 804 804 804 804 804 MESSAGE MESSAGE MESSAGE 2788 1520 0996 1067 1623 7604 2540 9669 7516 9501 6175 1520 4031 REPEAT REPEAT REPEAT 2788 1520 0996 1067 1623 7604 2540 9669 7516 9501 6175 1520 4031 END OF MESSAGE END OF TRANSMISSION]///MSG STARTS AT 0700z. DRIFTING CAIRIER AT START. REPEAT OF MSG SENT ON 18/02. END OF MESSAGE END OF XMSN STRONG 0704z AIK WED

February - 9450kHz
UNK

E25a

0901z 29/01 YL [353 3 353 3 353 3 353 3 353 3 353 3 353 3 353 3 353 3 353 3 MESSAGE MESSAGE MESSAGE REPEAT
REPEAT REPEAT END OF MESSAGE]///30MIN. PAUSE AT "EOM", CARRIER STILL LIVE. SAME E25a MSG FOLLOWS... WEAK END OF
MESSAGE 0934z AIK WED

0803z 31/01 YL [017 99... MESSAGE MESSAGE MESSAGE REBEAT REBEAT REBEAT END OF MESSAGE]///CARRIER UP AT 0759z. QSA4, QSB3
END OF MESSAGE 0805z MG FRI

1200z 05/01 YL [277 34... MESSAGE MESSAGE MESSAGE REABEAT]///Windows sound and then off air. STRONG MSG (x3) REABEAT ? ElmarE2Kde
SUN

1200z 24/01 YL [277 4 277 4 277 4 277 4 277 4 277 4 277 4 277 4 277 4 MESSAGE MESSAGE MESSAGE END OF MESSAGE
REPEAT]//Windows XP close down Sound. STRONG MSG (x3) END OF MESSAGE REPEAT 1202z ElmarE2Kde FRI

0819z 03/02 YL [2 55 28 25 ***SOME GLITCHES HERE*** 5 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255
28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255 28 255
REPEAT REPEAT END OF MESSAGE END OF TRANSMISSION]///1MIN. PAUSE AT "EOM", CARRIER STILL LIVE. E25 MSG FOLLOWS... FAIR
END OF MESSAGE END OF XMSN 0824z AIK MON

0729z 10/02 YL [2 55 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 MESSAGE MESSAGE
MESSAGE REPEAT REPEAT REPEAT END OF MESSAGE END OF TRANSMISSION]///12MIN. PAUSE AT THIS POINT, CARRIER STILL LIVE.
FIRST MSG SET WITHIN THIS XMSN PERIOD FROM 0729z-0749z. DURING THE INTERIM AROUND 07:34:35z SEVERAL "WINDOWS" SOUNDS
ARE AUDIBLE/OBSERVABLE. FAIR END OF MESSAGE END OF XMSN 0732z AIK MON

0744z 10/02 YL [2 55 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 255 29 MESSAGE MESSAGE
MESSAGE REPEAT REPEAT REPEAT END OF MESSAGE END OF TRANSMISSION]///SECOND MSG SET WITHIN THIS XMSN PERIOD FROM
0729z-0749z FAIR END OF MESSAGE END OF XMSN 0749z AIK MON

0702z 17/02 YL [255 30 255 30 255 30 255 30 255 30 255 30 255 30 255 30 MESSAGE MESSAGE MESSAGE REBEAT]///CARRIER DRIFT
AT START-UP. STRONG REPEAT 0705z AIK MON

0733z 17/02 YL [255 30 255 30 255 30 255 30 255 30 255 30 255 30 255 30 MESSAGE MESSAGE MESSAGE REPEAT REPEAT REPEAT
END OF MESSAGE END OF XMSN]///MSG STARTED AT 0745z. WINDOWS "SHUTDOWN" AFTER EOM/EOT. STRONG END OF MESSAGE END OF
XMSN 0747z AIK MON

0725z 20/02 YL [255 31 2 (DEAD AIR, 17MIN.) 2 55 31 255 31 255 31 255 31 255 31 255 31 255 31 255 31 255 31 255 31 255 31 255 31
MESSAGE MESSAGE MESSAGE END OF MESSAGE REPEAT END OF MESSAGE (POSSIBLY "END OF XMSN" ALSO THOUGH VERY
INCOHERENT IF SO)]//CARRIER DRIFT AT START-UP VERY WEAK END OF MESSAGE 0748z AIK THU

216z 02/02 YL [830 9... MESSAGE MESSAGE MESSAGE REPEAT REPEAT REPEAT END OF MESSAGE END OF TRANSMISSION]///CARRIER UP
AT 1156z "INTE OMRI" INTRO. AM. WEAK QSA5 END OF MESSAGE END OF XMSN 1156z MG SUN

1047z 09/02 YL [8 30 10 830 10 830 10 830 10 83]///DRIFTING CARRIER FROM START. MUSIC INTRO - OUM KHULTOM, "ENTA OMRI". FAIR 83
1100z AIK SUN

2121z 09/02 YL [830 10... MESSAGE MESSAGE MESSAGE REPEAT REPEAT REPEAT END OF MESSAGE END OF TRANSMISSION]///CARRIER UP
AT 1211z. MUSIC INTRO - OUM KHULTOM. "ENTA OMRI". AM. FAIR OSA5 END OF MESSAGE END OF XMSN 1220z MG SUN

0848z 09/02 ///TONE AND MUSIC SESSIONS W/ VERY LOW AUDIO LEVELS. AUDIO SOUNDED AS IF THERE WAS A BAD CONTACT BETWEEN THE AUDIO JACK AND THE TRANSMITTER AF INPUT. ALSO A BLANK CARRIER XMSN OCCURRED AT 0956 LASTING 2MIN.***THIS CARRIER WAS A DRIETER-AIK. - - 0921z MG SUN

1106z 19/02 ///CARRIER, TONE INTRO. ARABIC INFLUENCED, ROLICKING PIANO PIECE. INTERMITTENT. VARIOUS ADJUSTMENT NOISES. TONE IS OFF AND ON - BAD AUDIO. END TONE. 1115z FAIR AIK WED

0946z 21/02 ///CARRIER WITH SOME ADJUSTMENT NOISES. - - 0948z AIK THU

1103z 21/02 ///CARRIER, TONE INTRO. ARABIC MUSIC, UMM KHULTOM STYLE. BAD AUDIO QUALITY. XMTR OFF BRIEFLY. END TONE.
WEAK/FAIR - 1115z FAIR AIK THU

UNID 9450kHz

0657z 21/02 ///CARRIER COMES UP AND THEN A XMSN OCCURS IN WHAT APPEARS POSSIBLY SOMETHING AKIN TO JAMMING. JAMMING WOULD BE ODD, BECAUSE THERE ARE NOT USUALLY E25 XMSN AT THIS TIME ON THIS FREQ. 0726z AIK THU

G06

All the established G06 schedules running in the UK evening time have survived into 2014 – including the first + third Friday which I had thought had gone. Some observations from the last gap of 2013 included.

Second + Fourth Thursdays in the Month 1830 UTC Schedule:-

26-Dec-13:- 4,519 kHz, calling “271”, somewhat difficult copy, swept carrier interference and speech became weak and inaudible for short spells during the call-up. DK/GC “846 846 20 20”. Recovered to transmit the 20 5F groups without incident.

9-Jan-14:- 4,519 kHz, calling “271”, DK/GC “846 846 20 20”, same 5F groups as last month – unusual! With the usual interference on this frequency.

23-Jan-14:- 4,519 kHz, “271” and “846 846 20 20” again, much better signal than on the last two occasions, up to S9+, stronger than the interference from that carrier being swept at about once a second.

13-Feb-14:- 4,519 kHz, call “271”, still with DK/GC “846 846 20 20”

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

10-Jan-14:- 4,792 kHz, started approx. 40 seconds before the half-hour, calling “436”, DK/GC “789 789 20 20”.

24-Jan-14:- 4,792 kHz, “436” and “789 789 20 20” again.

14-Feb-14:- 4,792 kHz, call “436”, DK/GC “789 789 20 20”, as in January. Peaking S9+.

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

6-Jan-14:- 1800 UTC, 4,515 kHz, “564 564 564 00000”, the second sending of this schedule, just caught the last minute or so, stopped at around 1803:30s UTC so may have started early. Same frequency and “call” as in the last months of 2013.

13-Jan-14:- 1800 UTC minus 25s, 4,515 kHz, “564 564 564 00000”, S9 signal over-riding interference.

3-Feb-14:- 1659 UTC - started early, was in progress when tuned in one minute before the hour - 3,673 kHz, “564 564 564 00000”.
1800 UTC, 4,515 kHz, started within a second or two of the hour, second sending.

10-Feb-14:- 1800 UTC, plus 45 seconds approx, 4,515 kHz, “564 564 564 00000”, S9.

First + Third Fridays in the Month 2000 + 2100 UTC Schedule:-

I had thought that this one had gone because, according to my log, I couldn't find it on the first Friday in December, the 6th; it had been on 7,882 + 5,893 kHz in November, both with strong signals. It showed up on the third Friday so presumably was also there on the first Friday but very weak. Whatever the case, it has been appearing as expected since then:-

20-Dec-13:- 2000 UTC, 7,882 kHz, “239 239 239 00000”, very weak signal, what a contrast to November's transmissions. If it was this weak on 6-December no wonder I missed it!
2100 UTC, 5,883 kHz, much clearer at S8 to S9, second sending.

3-Jan-14:- continues in the new year but with a different call, 2100 UTC, 5,769 kHz, “167 167 167 00000”. S9+ signal, carrier on 5,769 noted approx. ten minutes before the hour.

This must be the second sending of this schedule, presumably the 2000 UTC transmission will be a couple of MHz or so higher in frequency.

17-Jan-14:- 2000 UTC, 7,844 kHz, the first sending, “167 167 167 00000”, S7 with QSB.
2100 UTC, 5,769 kHz, second sending, S9.

7-Feb-14:- 2000 UTC, 7,844 kHz, “167 167 167 00000”, S9 signal.
2100 UTC, 5,769 kHz, second sending, weaker, S7 to S8.

21-Feb-14:- 2000 UTC, 7,844 kHz, “167 167 167 00000”, very strong, S9+ signal.
2100 UTC, 2100 UTC, 5,768 kHz, second sending, also S9+.

January 2014

3673kHz1700z	06/01[564 564 564 00000 R4m] 1704z QSA4 QRM3 QRN2 QSB2	tiNG	MON
1700z	13/01[564 00000] 1704z Fair QRN2 QSB2	Spectre, ting	MON
4514kHz1759z	06/01[564 564 564 00000 R4m] 1803z QSA4 QRM2 QRN2 QSB2	tiNG	MON
1800z	13/01[564 00000] 1804z Fair QRN4 QSB3	Spectre, ting	MON
4519kHz1830z	09/01[271 846 20 83167 ... 14881 846 20 00000(s)] Very strong, weak noise, local interference	FR	THU
1830z	23/01[271 846 20 83167 ... 14881 846 20 00000(s)] Very strong, XWPQRM3	(7m28s) PLdn	THU

271 846 20
83167 14528 30778 13436 50234
67256 15654 27414 15637 75251
51820 37982 64162 18385 90381
77942 12692 22897 69231 14881
846 20 00000 *Courtesy FR*

4792kHz1930z	10/01[436 789 20 92411 ... 06531 789 20 0 0 0 0 0]	Gert, HJH,V	FRI
	436 789 20 92411 69428 53871 76397 15673 18367 98356 25478 26743 86464 73852 53986 21496 53428 89657 26481 76534 09895 14765 06531 789 20 0 0 0 0 Courtesy Gert		

1930z	24/01[436 789 20 92411 ... 26531 789 20 00000(s)] 1937z Fair, QSB2	(7m09s) PLdn, HJH	FRI
5463kHz0800z	13/01[215 00000] 0804z Fair QRN3 QSB2	Spectre	MON
0800z	20/01[215x3 00000.....]0803z S1	M8	MON
0800z	27/01[215x3 00000]0803z S2	M8	MON
5769kHz2100z	03/01[167 00000]	HFD	FRI

February 2014

4519kHz1831z	13/02[271 876 20 83167 ... 14881 876 20 00000(s)] 1840z, Fair. 35s gapo between 1st gk and gc	(8m49s) PLdn	THU
1831z	27/02[271 8n6 20 n3167 ... nnnnn nnn 20 00000(s)] Weak, XWPQRM3/4	PLdn	THU
4792kHz1930z	14/02[436 789 20 92411 ... 06531 789 20 00000(s)] Very strong	(8m24s) PLdn, M8	FRI
1930z	28/02[436 789 20 92411 ... 06531 789 20 00000(s)] Strong	(8m24s) PLdn	FRI
5463kHz0801z	10/02[215 x 3 00000.....]0805z S1	M8	MON
0800z	24/02[215 0000] 0804z Very Weak QRM3	CHPA	MON
7844kHz2000z	21/02[167 x 3 00000.....]2004z S9	M8	FRI

RNGB's Logs:

G06 January log:

Friday 3rd	21:00	5769	'167' 00000
Monday 6th	08:00	5463	'215' 00000
	17:00	3673	'564' 00000
Thursday 9th	18:30	4519	'271' 846 20 83167 14508 30778 13436 50234.....14881
Friday 17th	20:00	7844	'167' 00000
Monday 20th	08:00	5463	'215' 00000

G06 February log:

Friday 7th	20:00	7844	'167' 00000
	21:00	5769	'167' 00000
Monday 10th	08:00	5463	'215' 00000
	18:00	4515	'564' 00000
Friday 14th	19:30	4792	'436' 789 20 92411 69428 53871 76397 15673.....14765

G11

G11 Jan/Feb log:

4441kHz	2000z	03/01 [262/00] Strong	RNGB, Malc	FRI
	2000z	05/01 [262/00]	Gary, Malc	SUN
	2000z	12/01 [262/00]	Gary	SUN
6433kHz	1325z	04/01 [290/31 20676 65646 81642 61352 31133.....37432]	CHPA, RNGB, Fox	SAT
	1755z	05/01 [270/00]	Gert, Malc	SUN
	1755z	07/01 [270/00] Strong	Thomas, RNGB	TUE
	1325z	11/01 [299/00] R3m Ende 1328z QSA4 QRM1 QRN2 QSB2	Thomas	SAT
	1755z	14/01 [276/35 49905 79856 87833 39400.....09893] Strong, Twente SDR	Elmar	TUE
	1325z	17/01 [299/00] Strong sig Twente	Elmar	FRI
	1325z	18/01 [299/00] Strong	Fox	SAT
	1755z	19/01 [276/35 49905 etc] repeat of Friday	Fox	SUN
	1755z	21/01 [270/00]	RNGB	TUE
	1755z	28/01 [270/00] Strong	RNGB	TUE

S06/S06s

All the S06 schedules I monitor have survived into 2014, albeit with changes of "call" and frequencies, the Saturday late afternoon and evening, UK time, in particular. Some loggings from the last days of 2013 included for reference:-

Saturday 1600 or 1605 UTC, Weekly Schedule:-

21-Dec-13:- 1600 UTC, 7,387 kHz, "764 764 764 00000". S9 signal, BC interference on close frequency largely removed by using the receiver in USB mode.

28-Dec-13:- 1605 UTC, 5,943 kHz, alternative start time, "764 764 764 00000". Strong DRM signal on a close frequency, again USB mode giving clear reception.

4-Jan-14:- 1605 UTC, 5,786 kHz, "194 194 194 00000", changes for the new year, then. S9 signal on a clear frequency. Carrier on 5,786 noted approx. 1550 UTC.

18-Jan-14:- 1600 UTC, 6,943 kHz, “on the hour” start, “194 194 194 00000”. S9 with rapid QSB

25-Jan-14:- 1600 UTC, 6,943 kHz, “194 194 194 00000”, S9+, very strong signal.

1-Feb-14:- 1605 UTC, 5,771 kHz, “194 194 194 00000”, S9 with QSB.

Saturday 1930 or 1935 UTC, Weekly Schedule:-

21-Dec-13:- 1930 UTC, 3,172 kHz, “426 426 426 00000”. Clear frequency, apart from local QRM from digital TV, switch mode PSU, etc.

4-Jan-14:- 1930 UTC, 3,169 kHz, “396 396 396 00000”. Change of frequency - although not by much - and “call”.

18-Jan-14:- 1935 UTC, alternative time, 3,842 kHz, “396 396 396 00000”. S7 to S8 on a clear frequency.

8-Feb-14:- 1935 UTC, 3,842 kHz, “396 396 396 00000”, S9 signal.

15-Feb-14:- 1935 UTC, 3,842 kHz, “396 396 396 00000”.

First + Third Saturdays in the Month, 2000 + 2100 UTC Schedule:-

21-Dec-13:- 2000 UTC, 4,038 kHz, “319 319 319 00000”, S8 to S9.

2100 UTC, 3,569 kHz, second sending, S9 signal inside 80 metre amateur band - that's a bit naughty, Ivan - no amateur signals noted on any close frequency.

4-Jan-14:- 2000 UTC, 4,024 kHz, “362 362 362 00000”. S8 on a clear frequency.

2100 UTC, 3,368 kHz, second sending, peaking S9, weak “XJT” on close frequency. Change of frequencies although in the same general part of the short-wave spectrum as last year, no doubt determined to give propagation to the intended recipient because, as has often been observed, “Ye cannae change the laws of physics.”

18-Jan-14:- 2000 UTC, 4,024 kHz, and 2100 UTC, 3,368 kHz, “362 362 362 00000”.

15-Feb-14:- 2000 UTC, 4,024 kHz, “362 362 362 00000”.

2100 UTC, 3,368 kHz, second sending, weak signal, stronger “XJT” on close frequency.

First + Third Saturdays in the Month 2030 + 2130 UTC Schedule:-

21-Dec-13:- 2030 UTC, 4,784 kHz, “857 857 857 00000”, S8 on a clear frequency.

2130 UTC, 4,017 kHz, second sending, noisy, difficult copy.

4-Jan-14:- 2030 UTC, 4,616 kHz, “621 621 621 00000”. S8, no interference.

2130 UTC, 4,036 kHz, second sending, S9 on a clear frequency.

18-Jan-14:- 2030 UTC, 4,616 kHz, “621 621 621 00000”. S6 to S7.

2130 UTC, 4,036 kHz, second sending, S8.

15-Feb-14:- 2030 UTC, 4,616 kHz, “621 621 621 00000”, S9 to S9+ on a clear frequency.

2130 UTC, 4,036 kHz, second sending, also peaking S9+.

Monday + Thursday 1900 or 1905 UTC Schedule:-

2-Jan-14, Thursday:- 1900 UTC, 3,192 kHz, “349 349 349 00000”. Noisy frequency, difficult to hear. This S06 schedule is predictable, same frequencies in any given month for years. As far as I am aware the last time this one transmitted a “full message” was in May 2011.

6-Jan-14, Monday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, S9.

9-Jan-13, Thursday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”.

13-Jan-13, Monday:- 1900 UTC, 3,192 kHz, “349 349 349 00000”, “XJT” on close frequency.

16-Jan-13, Thursday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, weaker than usual.

23-Jan-14, Thursday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, peaking S9+ this evening.

27-Jan-14, Monday:- 1900 UTC, 3,192 kHz, “349 349 349 00000”, “XJT” on close frequency very strong.

30-Jan-14, Thursday:- 1900 UTC, 3,192 kHz, “349 349 349 00000”, with strong “XJT”.

3-Feb-14, Monday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, FSK/RTTY type signal on close frequency.

6-Feb-14, Thursday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, S9 on a clear frequency.

10-Feb-14, Monday:- 1900 UTC, 3,192 kHz, “349 349 349 00000”.

13-Feb-14, Thursday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, S9 to S9+.

17-Feb-14, Monday:- 1905 UTC, 3,838 kHz, “349 349 349 00000”, S9.

20-Feb-14, Thursday:- 1900 UTC, 3,192 kHz, “349 349 349 00000”, only just readable, the “XJT” a very strong signal this evening.

Second + Fourth Mondays in the Month 1915 + 2015 UTC Schedule:-

13-Jan-14:- 1915 UTC, 8,145 kHz, “384 384 384 00000”, weak signal.

2015 UTC, 6,820 kHz, second sending, much stronger, S7 to S8. Same frequencies and “call” as in January last year.

27-Jan-14:- 1915 UTC, 8,145 kHz, “384 384 384 00000”, very weak signal.

2015 UTC, 6,820 kHz, second sending, much stronger, S9.

10-Feb-14:- 1915 UTC, 9,255 kHz, “789 789 789 00000”, S9+, very strong.

2015 UTC, 7,630 kHz, second sending, also S9+ , frequencies and “call” as in February 2013.

S06/S06s RNGB’s logs:

S06 January log:

Thursday 2nd	19:00	3192	‘349’ 00000
Saturday 4th	16:05	5786	‘194’ 00000
	19:30	3169	‘396’ 00000
	20:00	4024	‘362’ 00000
	20:30	4616	‘621’ 00000
	21:00	3368	‘362’ 00000
	21:30	4036	‘621’ 00000
Monday 6th	19:05	3838	‘349’ 00000
Saturday 1th	16:05	5786	‘194’ 00000
	19:35	3842	‘396’ 00000
Monday 13th	19:15	8145	‘348’ 00000
	20:15	6820	‘348’ 00000

S06s January log:

Monday

6th/13th	0830/40	8234/9270	‘371’ 860 5 39534 17223 15636 47891 23247
20th/27th			‘371’ 290 5 48754 58604 48115 43828 94090
6th/13th	0900/10	14675/12830	‘872’ 904 5 34142 78386 91497 82953.....?
20th/27th			‘872’ 915 6 74526 43494 53038 24357 20336 37638
6th/13th	1300/10	8420/10635	‘831’ 925 6 24675 94092 48521 63872 45847
20th/27th			‘831’ 265 7 25616 63735 78386 99477 36717 23042 75956

Tuesday

7th/14th	0700/15	5250/6320	‘374’ 296 5 52401 63919 92699 14600 74248
21st/28th			‘374’ 260 5 48325 70092 55645 65687 26581
7th/14th	0730/40	7410/11560	‘427’ 938 5 09294 76911 75155 92918 97067
21st/28th			‘427’ 981 5 82736 45467 09128 34390 88126
7th/14th	0800/10	10265/9145	‘352’ 917 6 33706 13577 74526 46647 79302 53516
21st/28th			‘352’ 940 6 96632 52537 53317 41412 52343 22536
7th/14th	1000/10	6440/5660	‘893’ No reports
21st/28th			‘893’ 250 6 46186 16945 17099 94961 23521 24042
7th/14th	1500/10	6845/9170	‘537’ 481 6 21767 53672 11834 81022 36903 41412
21st/28th			‘537’ 921 6 92699 75155 71909 83981 15636 47891

Wednesday

1st/8th	0820/30	6778/7675	‘471’ 930 5 53516 25616 56069 96813 14199
15th/22nd			‘471’ 826 5 88620 58069 61732 74537 57440
13th	0830/40	7335/11830	‘745’ 820 6 88620 58069 61732 74537 57440
15th/22nd			‘745’ 918 6 39534 17228 15636 47891 23237 52401
1st/8th	1000/10	12365/14280	‘729’ 830 5 42997 94184 47374 74154 08531
15th/22nd			‘729’ 850 6 57634 90867 45312 56475 78563 08952
1st/8th	1230/40	4580/6420	‘967’ Too weak to copy
15th/22nd			‘967’ No reports

Thursday

2nd/9th (E17z)	0800/10	11170/9820	‘674’ 908 5 46062 68672 97478 39685 30485
16th/23rd			‘674’ 238 5 80744 86200 84706 42227 61736
2nd/9th	0900/10	12952/13565	‘167’ 928 5 96111 10544 25757 77159 95225
16th/23rd			‘167’ 823 5 33796 13577 74526 46647 79302
2nd/9th	0900/10	5410/6770	‘624’ 970 5 83981 24035 48115 24151 51802
16th/23rd			‘624’ 975 8 39534 17228 15636 47891 23247 17099 94961 35826
2nd/9th	0930/40	8812/9540	‘314’ 806 5 88554 82045 36717 24042 75956
16th/23rd			‘314’ 275 6 88554 82045 36717 24042 75965 31670
2nd/9th	1200/10	12155/10920	‘425’ 916 7 01405 15003 24357 60583 54545
16th/23rd			‘425’ 960 7 83862 15613 53633 22235 45367 52442 52235

Friday

3rd/10th	0600/10	7125/8795	‘934’ 217 5 41412 86200 84706 42227 31670
17th/24th			‘934’ 210 5 11688 01586 90214 81049 41963
3rd/10th	0700/10	7150/8215	‘196’ 230 5 58069 92883 25116 52401 63919
17th/24th			‘196’ 287 5 57024 87757 72755 54876 15595
3rd/10th	0800/10	5810/6770	‘278’ 463 5 46062 68672 97478 39685 30485
17th/24th			‘278’ 403 5 19287 67543 98017 46220 99764
3rd/10th	0930/40	11780/12570	‘516’ 907 8 52401 63919 92699 14600 74248 48754 65125 41879
17th/24th			‘516’ 407 8 13808 71909 83981 24035 48115 24151 35826 78927

Saturday

4th	1200/10	8680/8260	‘254’ 839 6 15009 34140 78386 99477 83574 40613
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Sunday			
5th/12th	0630/40	13470/16515	‘524’ 961 7 31767 60396 03990 11749 41438 03092 50128
19th/26th			‘524’ too weak to copy

S06 February log:

Tuesday 4th	18:00	3645	‘617’ 00000
Thursday 6th	19:05	3838	‘349’ 00000
Saturday 8th	19:35	3842	‘396’ 00000
Monday 10th	19:00	3192	‘349’ 00000
	19:15	9255	‘789’ 00000
	20:15	7630	‘789’ 00000
Saturday 15th	16:05	5786	‘194’ 00000
	19:35	3842	‘396’ 00000
	20:00	4024	‘362’ 00000
	20:30	4616	‘621’ 00000
	21:00	3368	‘362’ 00000
Thursday 20th	19:00	3192	‘349’ 00000

S06s February report:

The lower frequencies now extremely difficult to copy in the UK now during daylight hours, so reports of IDs 967, 893, and 624 etc may become very scarce until next autumn.

ID 427 began null sending on Tuesday 18th onwards using 6965/7235/7435/11655 and 11985 from 0740z (every 10 mins)

The initial 0730z sending not found, but presumed to be high 5 or low 6 mHz buried beneath a broadcast station.

Expect this one to return to normal schedule sometime in March.

ID 328 on Weds 0840 has not been heard since the end of last year. I seem to remember this ID went AWOL several years ago to re-appear on its old schedule after a gap of a couple of years! So who knows?

ID 438 began to propagate at the end of February. Has always eluded reception up to now. The higher frequencies doing very well now early morning in the UK.

Monday			
3rd/10th	0830/40	8234/9270	‘371’ 824 5 24035 48115 24151 96320 74526
17th/24th			‘371’ 946 5 97478 39685 30485 36901 92060
3rd/10th	0900/10	14675/12830	‘872’ 906 5 53038 76342 15009 34140 36717
17th/24th			‘872’ 951 6 36271 67892 01675 34872 29887 34295
3rd/10th	1300/10	8420/10635	‘831’ 264 5 53516 25616 56069 96813 14199
17th/24th			‘831’ 596 7 81655 61230 53924 34576 50585 31829 57331

Tuesday			
4th/11th	0600/10	16145/14240	‘438’ ?
18th/25th			‘438’ 957 6 57024 87754 27854 54876 15593
4th/11th	0700/15	5250/6320	‘374’ 928 5 88620 58069 61732 74537 57440
18th/25th			‘374’ 982 5 73213 50592 69954 52235 52442
4th/11th	0730/40	7410/11560	‘427’ 803 5 33769 13577 74526 46647 79302
18th/25th	0730/40/50/00/10/20		‘427’ 00000 (see notes above)
4th/11th	0800/10	10265/9145	‘352’ 841 6 52401 63919 92699 14600 74248 74511
18th/25th			‘352’ 984 6 33796 11160 43494 37539 25074 48832
4th/11th	1000/10	6440/5660	‘893’ 410 5 34312 67453 89745 34342 67319
18th/25th			‘893’ No propagation
4th/11th	1500/10	6845/9170	‘537’ 842 6 68734 23154 89756 34216 90674 66431
18th/25th			‘537’ 814 6 96111 10594 98003 68909 45279 43828

Wednesday			
5th/12th	0820/30	6778/7675	‘471’ 839 5 46741 73585 55525 50586 57765
19th/26th			‘471’ 920 5 91954 28361 91466 80388 19467
5th/12th	0830/40	7335/11830	‘745’ 832 6 85335 83861 15713 53633 22235 45367
19th/26th			‘745’ 920 6 18406 73434 18231 21644 67758 02596
5th/12th	1000/10	12365/14280	‘729’ 435 6 55549 01292 33502 35746 28557 83458
19th/26th			‘729’ 485 6 93855 30131 24392 34242 90348 54916
5th/12th	1230/40	4580/6420	‘967’ No propagation
19th/26th			‘967’ No reports

Thursday			
6th/13th (E17z)	0800/10	11170/9820	‘674’ 239 5 53516 25616 56069 96813 14199
20th/27th			‘674’ 902 5 57024 87757 72785 54876 15595
6th/13th	0900/10	12952/13565	‘167’ 403 5 88280 84116 53718 78927 34694
20th/27th			‘167’ 984 5 50747 14952 53165 89912 66186
6th/13th	0900/10	5410/6770	‘624’ 850 7 33796 13577 74526 46647 79302 53516 25616
20th/27th			‘624’ 830 5 ???? unreadable
6th/13th	0930/40	8812/9540	‘314’ 809 5 95051 13808 71909 83981 24035
20th/27th			‘314’ 296 5 23030 05069 55335 49812 92873
6th/13th	1200/10	12155/10920	‘425’ 806 7 11171 64385 82707 06123 22536 88280 23621
20th/27th			‘425’ 801 6 70084 23496 55918 30447 67524 57627

Friday			
7th/14th	0600/10	7125/8795	‘934’ 201 5 33796 13577 74526 46647 79302
21st/28th			‘934’ 276 5 91473 78888 93994 93464 10529
7th/14th	0700/10	7150/8215	‘196’ 403 5 47024 78857 72785 54876 15595
21st/28th			‘196’ 473 5 93615 61870 73575 44752 68364
7th/14th	0800/10	5810/6770	‘278’ 930 5 34140 78386 91497 65906 66610
21st/28th			‘278’ No propagation
7th/14th	0930/40	11780/12570	‘516’ 984 7 63888 92060 11749 70552 56936 57989 05371
21st/28th			‘516’ 930 7 81655 61230 53924 34057 75197 02231 69835

Saturday

1st 1200/10 8680/8260 '254' 839 6 15009 34140 78386 99477 83574 40613

Sunday

2nd/9th 0630/40 13470/16515 '524' 960 7 34682 17455 55122 40995 37536 79651 55298
16th/23rd '524' 986 7 46647 79302 53516 25616 56069 96813 14199

Others' Logs**S06****January 2014**

3192kHz1900z 1900z	13/0 [349 00000] 1904z Weak QRN3 QSB4 20/01[349/00000] 1904z Fair QRM3 STANAG4285 (German Navy)	Spectre Topol	MON MON
3368kHz2100z 2100z	04/01[362 00000] 18/01[362 00000] Medium/strong signal, strong noise	Gert FR	SAT SUN
3838kHz 1905z 1905z	09/01[349 00000] Very strong signal, moderate noise 23/01[349 00000] Very strong signal, moderate noise	FR FR	THU THU
4024kHz2000z 2000z	04/01[362 00000] 18/01[362 00000] Strong signal, moderate noise	Gert FR	SAT SUN
4036kHz2130z 2130z	04/01[621 00000] 18/01[621 00000] Very strong signal, moderate/strong noise	Gert FR	SAT SUN
4616kHz2030z 2030z	04/01[621 00000] 18/01[621 00000] Very strong signal, moderate noise	Gert FR	SAT SUN

February 2014

3645kHz1800z 1801z	04/02[617 x 3 00000.....]1802z S5 11/02[617 x 3 00000.....]1805z S9	M8 M8	TUE TUE
3838kHz1905z	27/02[347 (R3) 00000]1909z Strong QRM2 QSB1	JkC	THU
3842kHz1935z	22/02[396 x 3 00000.....]1939z S4	M8	SAT
3838kHz1905z 1905z 1905z 1905z	06/02[349 00000] Medium/strong signal, moderate noise 13/02[349 x 3 00000.....]1909z S9 17/02[349 x 3 00000.....]1909z S9 24/02[349 x 3 00000.....]1909z S9	Fox, M8 M8 M8 M8	THU THU MON MON
5463kHz0800z	17/02[215 x 3 00000.....]0804z S1	M8	MON
5786kHz1605z 1605z	15/02[194 x 3 000.....]1609z S2 22/02[194 x 3 00000.....]1609z S9	M8 M8	SAT SAT
7630kHz2015z	24/02[349 x 3 00000.....]2019z S6	M8	MON
9255kHz1915z	24/02[789 x 3 00000.....]1919z S9	M8	MON

S06s

5660kHz1010z	28/01[893 Too weak to copy]	M8	TUE
5810kHz0800z	03/01[278 463 5 46062 68672 97478 39685 30485 463 5 00000] Strong signal, QRM	FR	FRI
6085kHz0600z	04/01[934 267 5 16070 48834 [99477] [83574] 53718 267 5 00000] (A) Very strong, QRM (A) Comparing this message with my old logs it seems the message is a mix of two different S06s messages from last year.	FR	SAT
6770kHz0810z	03/01[278 463 5 46062 68672 97478 39685 30485 463 5 00000] Strong signal, QRM	FR	FRI
6778kHz0820z 0820z 0820z 0820z	08/01[471 930 5 53516 25616 56069 96813 14199 930 5 00000]0905z S2 15/01[471 826 5 88620 58063 61732 74537 57440 826 5 00000(s)] 0825z Fair QRN3 QSB3 22/01[471 826 5 88620 58063 61732 74537 57440 826 5 00000(s)] 0825z Fair QRN3 QSB3 29/01[471x3 00000]0824z S2	M8 Spectre Spectre M8	WED WED WED WED
6845kHz1500z 1500z	07/10[537 481 6 21767 53672 11834 81022 36903 41412 481 6 00000]1505z S2 28/01[537 921 6 92699 75155 71909 83981 15636 47891 921 6 00000]1505z S1	M8 M8	TUE TUE
7150kHz0700z 0700z	03/01[196 230 5 58069 92883 25116 52401 63919 230 5 00000]Very strong signal, QRM 10/01[196 230 5 58069 92883 25116 52401 63919 230 5 00000]Very strong signal, QRM	FR FR	FRI FRI
7335kHz0830z 0830z 0830z	15/01[745 918 6 39534 17228 15636 47891 23237 52401 918 6 00000(s)] 0835z Fair QRN3 QSB3 22/01[745 918 6 39534 17228 15636 47891 23237 52401 918 6 00000(s)] 0835z Fair QRN3 QSB3 29/01[745x3 00000]0834z S2	Spectre Spectre M8	WED WED WED
7545kHz1230z	04/01[967 453 8 53098 76342 [15009] [34140] [78386] 91497 82963 24162 453 8 00000]Weak ^ Fair, QRM	FR	SAT

7675kHz0830z	08/01[471 930 5 53516 25616 56069 96813 14199 930 5 00000]0905z S2	M8	WED
0830z	15/01[471 826 5 88620 58063 61732 74537 57440 826 5 00000(s)] 0835z Fair QRN3 QSB3	Spectre	WED
0830z	22/01[471 826 5 88620 58063 61732 74537 57440 826 5 00000(s)] 0835z Fair QRN3 QSB3	Spectre	WED
0830z	29/01[471x3 00000]0834z S1	M8	WED
8215kHz0710z	03/01[196 230 5 58069 92883 25116 52401 63919 230 5 00000]Very strong signal, QRM	FR	FRI
0710z	10/01[196 230 5 58690 92883 25116 52401 63919 230 5 00000]	Gert, FR	FRI
8220kHz1240z	04/01[967 453 8 53098 76342 [15009] [34140] [78386] 91497 82963 24162 453 8 00000]Strong, QRM QSB	FR	SAT
8234kHz0830z	06/01[371 too weak to copy]	M8	MON
0830z	20/01[371 290 5 48754 58604 48115 43828 94090 290 5 00000]0835z S1	M8	MON
0830z	27/01[371 too weak to copy]0835z	M8	MON
8420kHz1300z	20/01[831 265 7 25616 63735 78386 99477 36717 23042 75956 265 7 00000]1305z S1	M8	MON
1300z	27/01[831 265 7 25616 53735 78386 99477 36717 32042 75956]	Gert	MON
9135kHz0810z	07/01[352 too weak to copy]	M8	TUE
0810z	14/01[352 917 6.....53516 917 5 0000]0815z Good	V	TUE
0810z	28/01[352 940 6 96632 52537 53317 41412 52343 22536 940 6 00000]0815z S5	M8	TUE
9170kHz1510z	07/01[537 481 6 21767 53672 11834 81022 36903 41412 481 6 00000]1515z S5	M8	TUE
1515z	28/01[537 921 6 92699 75155 71909 83981 15636 47891 921 6 00000]1515z S1	M8	TUE
9270kHz0840z	06/01[371 860 5 39534 17223 15636 47891 23247 860 5 00000]0845z S2	M8	MON
0840z	20/01[371 290 5 48754 58604 48115 43828 94090 290 5 00000]0845z S2	M8	MON
0840z	27/01[371 too weak to copy]0845z	M8	MON
10265kHz0800z	28/01[352 940 6 96632 52537 53317 41412 52343 22536 940 6 00000]0805z S3	M8	TUE
10635kHz1310z	20/01[831 265 7 25616 63735 78386 99477 36717 23042 75956 265 7 00000]1315z S2	M8	MON
1310z	27/01[831 too weak to copy]	M8	MON
10920kHz 1210z	16/01[425 960 7 83862 15613 53633 22235 45367 52442 52235 960 7 00000(s)] 1206z Strong QRN3 QSB2	Spectre	THU
1210z	23/01[425 960 7 83862 15613 53633 22235 45367 52442 52235 960 7 00000(s)] 1206z Strong QRN3 QSB2	Spectre	THU
11532kHz0740z	28/01[742 981 5 82736 45467 09128 34390 88126 981 5 00000]0745z S3	M8	TUE
11780kHz 0930z	03/01[516 907 8 52401 63919 92699 14600 74248 48754 65125 41879 907 8 00000] Very strong	FR, M8	FRI
0930z	31/01[516 x 3 00000.....] 0934z S9+10	M8	FRI
11830kHz0840z	08/01[745 820 6 88620 58069 61732 74537 57440 10597 745 820 6 00000]0845z S9+10	M8	WED
0840z	15/01[745 918 6 39534 17228 15636 47891 23237 52401 918 6 00000(s)] 0845z Fair QRN3 QSB3	Spectre	WED
0840z	22/0 [745 918 6 39534 17228 15636 47891 23237 52401 918 6 00000(s)] 0845z Fair QRN3 QSB3	Spectre	WED
0839z	29/01[745x3 00000]0839z S9	M8	WED
12155kHz1200z	16/01[425 960 7 83862 15613 53633 22235 45367 52442 52235 960 7 00000(s)] 1206z Strong QRN3 QSB2	Spectre	THU
1200z	23/01[425 960 7 83862 15613 53633 22235 45367 52442 52235 960 7 00000(s)] 1206z Strong QRN3 QSB2	Spectre	THU
12365kHz1000z	08/01[729 830 5 42997 94184 47374 74154 08531 830 5 00000]1005z S9+10	M8	WED
1000z	29/01[729x3 00000]1004z S9+10	M8	WED
12570kHz 0940z	03/01[516 907 8 52401 63919 92699 14600 74248 48754 65125 41879 907 8 00000] Very strong	FR, M8	FRI
0940z	31/01[516 x 3 00000.....]0944z S9+40	M8	FRI
12830kHz0910z	27/01[872 915 6 74526 43494 53038 24357 20336 37638 915 6 00000]0915z S1	M8, Gert	MON
12830.1kHz0910z	06/01[872 904 5 34142 78386 91497 82953 548?? 904 5 00000]0915z S1	M8	MON
0910z	20/01[872 915 6 74526 43494 53038 24357 20336 37638 915 6 00000]0915z S9	M8	MON
12952kHz 0900z	16/01[167 823 5 33796 13577 74526 46647 79302 823 5 00000(s)] 0905z Strong QRN3 QSB2	Spectre	THU
0900z	23/01[167 823 5 33796 13577 74526 46647 79302 823 5 00000(s)] 0905z Strong QRN3 QSB2	Spectre	THU
13565kHz 0910z	16/01[167 823 5 33796 13577 74526 46647 79302 823 5 00000(s)] 0915z Strong QRN3 QSB2	Spectre	THU
0910z	23/01 [167 823 5 33796 13577 74526 46647 79302 823 5 00000(s)] 0915z Strong QRN3 QSB2	Spectre	THU
14280kHz1010z	08/01[729 830 5 42997 94184 47374 74154 08531 830 5 00000]1015z S9+20	M8	WED
1010z	29/01[729x3 00000]1004z S9+40	M8	WED
14675kHz0900z	06/01[872 too weak to copy]	M8	MON
0900z	20/01[872 915 6 74526 43494 53038 24357 20336 37638 915 6 00000]0905z S7	M8	MON
0900z	27/01[872 915 6 74526 43494 53038 24357 20336 37638 915 6 00000]0905z S4	M8, Gert	MON

February2014

6770kHz0910z	06/02[624 too weak to copy]	M8	THU
6778kHz0820z	05/02[471 839 5 46741 73585 55525 50586 57765 839 5 00000]0825z S3	M8	WED
0820z	12/02[471 839 5 46741 73585 55525 50586 57765 839 5 00000]0825z S4	M8	WED
0820z	19/02[471 920 5 91954 28361 91466 80388 19647 920 5 00000]0825z S6	M8	WED
0820z	26/02[471 920 5 91954 28361 91466 80388 19647 820 5 00000]0825z S2	M8	WED

6845kHz1500z	04/02[537 842 6 68734 23154 89756 34216 90674 66431 842 6 00000]1505z S2 25/02[537 814 6 96111 10544 98003 68909 45279 43828 814 6 00000]1505z S1	M8 M8	TUE TUE
7125kHz0600z	07/02[934 201 5 33796 13577 74526 46647 79302 201 5 00000] Medium signal, QRM	FR	FRI
7150kHz0700z	07/02[-] Very weak signal, moderate noise	FR	FRI
7335kHz0830z	05/02[745 832 6 [85335 83861 15713 53633 22235 45367 832 6 00000]0835z S3 12/02[745 832 6 85335 83861 15713 53633 22235 45367 832 6 00000]0835z S3 19/02[745 920 6 18406 73434 18231 21644 67758 02596 920 6 00000]0835 S3 26/02[745 too weak to copy]	M8 M8 M8 M8	WED WED WED WED
7410kHz0730z	04/02[427 803 5 33769 13577 74526 46647 79302 803 5 00000]0735z S5	M8	TUE
7675kHz0830z	05/02[471 839 5 46741 73585 55525 50586 57765 839 5 00000]0835z S1 12/02[QRM] 19/02[471 920 5 91954 28361 91466 80388 19647 920 5 00000]0835z S5 26/02[471 920 5 91954 28361 91466 80388 19647 820 5 00000]0835z S2	M8 M8 M8 M8	WED WED WED WED
8215kHz0710z	07/02[-] Strong signal, moderate noise	FR	FRI
8234kHz0830z	17/02[371 too weak to copy]0835z 24/02[371 too weak to copy]	M8 M8	MON MON
8420kHz1300z	10/02[831 264 5 53516 25616 56069 96813 14199 264 5 00000]1305z S1 17/02[831 596 7 81655 61230 53924 34576 50585 31829 57331 596 7 00000]1315z S3	M8 M8	MON MON
8795kHz0610z	07/02[934 201 5 33796 13577 74526 46647 79302 201 5 00000] Very strong, QRM	FR	FRI
8812kHz0930z	06/02[314 809 5 95051 13808 71909 83981 24035 809 5 00000]0935z S1 13/02[314 809 5 95051 13808 71909 83981 24035 809 5 00000]0945z S1 20/02[314 too weak to copy]	M8 M8 M8	THU THU THU
9135kHz0810z	04/02[Too weak to copy]	M8	TUE
9170kHz1510z	04/02[537 842 6 68734 23154 89756 34216 90674 66431 842 6 00000]1515z S3 25/02[537 814 6 96111 10544 98003 68909 45279 43828 814 6 00000]1515z S2	M8 M8	TUE TUE
9270kHz0840z	17/02[371 946 5 97478 39685 30485 36901 92060 946 5 00000]0845z S2 24/02[371 too weak to copy]	M8 M8	MON MON
9540kHz0940z	06/02[314 809 5 95051 13808 71909 83981 24035 809 5 00000]0945z S3 13/02[314 809 5 95051 13808 71909 83981 24035 809 5 00000]0945z S3 20/02[314 296 5 23030 01069 55334 9812 92873 296 5 00000]0945z S1 faded	M8 M8 M8	THU THU THU
10265kHz0800z	04/02[Too weak to copy]	M8	TUE
10635kHz1310z	10/02[831 264 5 53516 25616 56069 96813 14199 264 5 00000]1315z S4 17/02[831 596 7 81655 61230 53924 34576 50585 31829 57331 596 7 00000]1315z S3	M8 M8	MON MON
10920kHz1210z	13/02[425 806 7 11171 64385 82707 06123 22536 88280 23621 806 7 00000]1215z S4 20/02[425 801 6 70084 23496 55918 30447 67524 57627 801 6 00000]1215z S7	M8 M8	THU THU
11532kHz0740z	04/02[427 803 5 33769 13577 74526 46647 79302 803 5 00000]0735z S9+20	M8	TUE
11780kHz0930z	14/02[516 984 7 63888 92060 11749 70552 56936 57989 05371 984 7 00000]0935z S5 21/02[516 930 7 81655 61230 53924 34057 75197 02231 69835 930 7 00000]0935z S1	M8 M8	FRI FRI
11830kHz0840z	05/02[745 832 6 85335 83861 15713 53633 22235 45367 832 6 00000]0845z S9+10 12/02[745 832 6 85335 83861 15713 53633 22235 45367 832 6 00000]0845z S3 19/02[745 920 6 18406 73434 18231 21644 67758 02596 920 6 00000]0835 S8 26/02[745 too weak to copy]	M8 M8 M8 M8	WED WED WED WED
12155kHz1200z	13/02[425 806 7 11171 64385 82707 06123 22536 88280 23621 806 7 00000]1205z S9 20/02[425 801 6 70084 23496 55918 30447 67524 57627 801 6 00000]1205z S9+20	M8 M8	THU THU
12365kHz1000z	05/02[729 435 6 55549 01292 33502 35746 28557 83458 435 6 00000]1005z S9+20 12/02[729 435 6 55549 01292 33502 35746 28557 83458 435 6 00000]1005z S7 19/02[729 485 6 93855 30131 24392 34242 90348 54916 485 5 00000]1005 S9 26/02[729 485 6 93855 30131 24392 34242 90348 54916 485 6 00000]1005z S3	M8 M8 M8 M8	WED WED WED WED
12570kHz0940z	14/02[516 984 7 63888 92060 11749 70552 56936 57989 05371 984 7 00000]0945z S8 21/02[516 930 7 81655 61230 53924 34057 75197 02231 69835 930 7 00000]0945z S2	M8 M8	FRI FRI
12830kHz0910z	10/02[872 906 5 53038 76342 15009 34140 36717 906 5 00000]0915z S4 17/02[872 951 6 36271 67892 01675 34872 29887 34295 951 6 00000]0915z S1 24/02[872 951 6 36271 67892 01675 34872 29887 34295 951 6 00000]0915z S1	M8 M8 M8	MON MON MON
12852kHz0900z	20/02[167 984 5 50747 14952 53165 89912 66186 984 5 00000]0905z S9+20	M8	THU
12952kHz0900z	06/02[167 403 5 88280 84116 53718 78927 34694 403 5 00000]0905z S9+20 13/02[167 403 5 88280 84116 53718 78927 34694 403 5 00000]0905z S9+20	M8 M8	THU THU

13565kHz	0910z	06/02[167 403 5 88280 84116 53718 78927 34694 403 5 00000]0915z S9+30	M8	THU
	0810z	13/02[167 403 5 88280 84116 53718 78927 34694 403 5 00000]0915z S9+10	M8	THU
	0910z	20/02[167 984 5 50747 14952 53165 89912 66186 984 5 00000]0915z S9+30	M8	THU
14280kHz	1010z	05/02[729 435 6 55549 01292 33502 35746 28557 83458 435 6 00000]1015z S9+20	M8	WED
	1010z	12/02[729 435 6 55549 01292 33502 35746 28557 83458 435 6 00000]1015z S9+20	M8	WED
	1010z	19/02[729 485 6 93855 30131 24392 34242 90348 54916 485 5 00000]1015 S9+10	M8	WED
	1010z	26/02[729 485 6 93855 30131 24392 34242 90348 54916 485 6 00000]1015z S9	M8	WED
14675kHz	0900z	10/02[872 906 5 53038 76342 15009 34140 36717 906 5 00000]0905z S7	M8	MON
	0900z	17/02[872 951 6 36271 67892 01675 34872 29887 34295 951 6 00000]0905z S2	M8	MON
	0900z	24/02[872 951 6 36271 67892 01675 34872 29887 34295 951 6 00000]0905z S2	M8	MON

S11a[III]

S11a Jan/Feb log:

5815kHz	1955z	19/02 [370/00] Konetz 1859z Strong QRM1 QSB1	JkC	WED
	1955z	21/02 [370/00] Strong	RNGB, Malc	FRI
	1955z	26/02 [370/36 98727 88717 26376 45119 70289.....16153] Strong	RNGB	WED
	1955z	28/02 [370/36 98727 etc] Repeat of Wednesday	RNGB, JkC	FRI
6433kHz	1020z	04/01 [221/38 84186 10123 82579 66277 29794.....13312]	Fox	SAT
	1020z	08/01 [221/00]	RNGB, Malc	WED
	1020z	18/01 [221/00]	Fox	SAT
	1020z	29/01 [221/00] Konetz 1023z S2	Malc	WED
	1020z	12/02 [221/00] Konetz 1023z S1	Malc, RNGB	WED
	1020z	15/02 [221/00] Konetz 1023z QSA5 QRM1 QRN2 QSB3	Thomas	SAT
	1020z	19/02 [221/00]	RNGB	WED
7504kHz	0915z	03/01 [484/00] Good	RNGB	FRI
	0915z	10/01 [484/00] Strong	Fox	FRI
	0915z	14/01 [482/37 21616 83051 73866 99753 57366.....35226]	RNGB	TUE
	0915z	17/01 [482/37 21616 etc] repeat of Tuesday	Fox	FRI
	0915z	31/01 [484/00] Konetz 0919z S1	Malc	FRI
	0915z	04/02 [484/00]	RNGB	TUE
	0915z	07/02 [484/00]	Fox	FRI
	0915z	11/02 [484/00]	RNGB	TUE
	0915z	14/02 [484/00]	RNGB	FRI
	0915z	18/02 [482/38 50942 92635 38702 86103 91135.....etc] Fair	RNGB	TUE
	0915z	25/02 [484/00]	Malc	TUE
9610kHz	1020z	03/01 [426/00] Good	RNGB, Malc	FRI
	1020z	10/01 [426/32 66644 92846 74473 68552 94810.....07292]	Fox	FRI
	1020z	17/01 [426/00]	RNGB	FRI
	1020z	28/01 [426/00]	RNGB	TUE
	1020z	31/01 [426/00]	Malc	FRI
	1020z	04/02 [426/00] Konetz 1023z S5	Malc	TUE
	1020z	11/02 [422/37 55782 95214 46555 87359 94048.....41970] Good	RNGB	TUE
	1020z	14/02 [422/37 55782 .....etc] Repeat of Tuesday	RNGB	FRI
	1020z	18/02 [426/00]	RNGB	TUE
	1020z	25/02 [426/00] Good	RNGB, Malc	TUE
12530kHz	1015z	13/01 [475/00] 1018z Fair	Tony	MON
	1015z	20/10 [475/00] Konetz 1018z S3	Malc	MON
	1015z	30/01 [472/31.....] Konetz 1025z S9	Malc	THU
	1015z	03/02 [475/00] Konetz 1018z S5	Malc	MON
	1015z	06/02 [475/00] Good	RNGB	THU
	1015z	10/02 [475/00]	RNGB	MON
	1015z	17/02 [475/00]	RNGB	MON

S21

Nil reports to date [includes M45 too].

S28

4625kHz	1638z	04/02 Strong QRM2	CHPA	TUE
Each buzz has a notable intro sound, sounds like flapping play card on spokes with increasing strength.				
This sound was not there on my earlier recordings 07 Oct 2013 and 10 Jan 2013				

V02a

V02a put in a couple of appearances since the closing of the deadline for the last newsletter as shown below. Suspect that this may be a "last tuesday and thursday of the month" schedule and not a result of the V02a being put up on the M08a frequency by mistake.

V02a 7554kHz 2000z 30/12 [A 27211 38841 42372] TUE

V02a 7554kHz 2000z 28/01 [A 16701 20126 33451] TUE

Thanks Cuban Desk.

V07

January 2014

12137kHz0140z	19/01[661 661 661 1 343 57 343 57]	westt1us	SUN
	661 1 343 57 32301 81117 18751 42311 40031 72473 20774 23511 99727 31755 04770 15080 93835 92249 03787 04755 70133 24097 38342 13284 10233 34083 92818 22129 03723 28105 58309 32119 24352 53340 18393 44412 14392 12249 35879 34920 71912 97930 35435 21343 14951 59310 51073 29404 05352 58712 49774 32175 88515 74731 89338 37014 39245 44430 39492 23338 92535 000 000 <i>Courtesy DanAR</i>		
14637kHz0120z	05/01[661 661 661 000 (x5)]QSA2	DanAR	SUN
0120z	12/01[661 661 661 000 (x5)] QSA3	DanAR	SUN
0120z	19/01[661 661 661 1 343 57 343 57]	westt1us	SUN
16037kHz0100z	05/01[661 661 661 000 (x5)]QSA2	DanAR	SUN
0100z	12/01[661 661 661 000 (x5)] QSA3	DanAR	SUN

February 2014

13968kHz0140z	09/02[329 329 329 1 (x5) 333 61 (x2) 12295 38733 ... 28014 000 000]* QSA 4 QRM 1	DanAR	SUN
* Numbers transmission started with low audio level. After a few numbers groups the audio level increased making a loud signal.			

329 329 329 1 (x5)
333 61 (x2)
12295 38733 19238 47038 72833
97379 71744 54310 17827 72851
54324 33177 54937 13931 33033
31729 31349 18294 71785 43839
12720 23373 13328 75388 40137
39429 59310 85737 47718 72138
40170 28510 43717 88891 28717
07785 81435 15011 55308 07837
33128 59037 13123 58913 93738
89243 23354 87359 43473 32592
72033 39472 83197 31303 48707
15943 88335 99935 12122 15324
28014 000 000 *Courtesy DanAr*

16268kHz0120z	02/02[329 329 329 000 (x5)] QSA 2	DanAR	SUN
0120z	09/02[329 329 329 1 (x5) 333 61 (x2) 12295 38733 ... 28014 000 000] QSA 3	DanAR	SUN
0120z	23/02[329 329 329 000 (x5)] QSA 2	DanAR	SUN
18368kHz0100z	02/02[329 329 329 000 (x5)] QSA 4	DanAR	SUN
0100z	09/02[329 329 329 1 (x5) 333 61 (x2) 12295 38733 ... 28014 000 000] QSA 2	DanAR	SUN
0100z	23/02[329 329 329 000 (x5)] QSA 2	DanAR	SUN

V13

8300kHz1321z	10/01	SH	FRI
Mandarin with two different female voices alternating reading numbers in 8 digit groups. Within each group of numbers the two different voices alternated with the first voice reading more numbers than the second. At 1329 the reading numbers ended followed by a few seconds of talk then silence. Nothing else heard.			
8300kHz1300z	11/02 Began with flute music for about a minute followed by female announcer speaking and then reading number list. This continued until 1327 sign off.. Listening to Southeast Asia remote receiver	SH	TUE
9522kHz0800z	09/02	NDL	SUN
New Star, amplitude modulation (AM) with music in first, announce and msgs (numbers ?) in chinese by an yl, end at 0829z . Heard with Global Tuner at Hong-Kong, nothing in Europa (with Twente sdr or via my home).			

V21 Babbler

The Babbler continues to be heard most days at 1400z on 6529kHz and lately also on 5637kHz. The styles of the two transmissions are slightly different with the counting on 6529kHz almost always pausing on multiples of 10 and the 5637kHz transmissions are much faster and tend to pause on other numbers. On 13/2 a SS/YL picked up the count for a short while but all other transmissions were male voices with two different individuals heard counting on some occasions. Signals tend to be weak and the longest one heard lasted for 27 minutes. Expect transmission times to change to around 1300z when the clocks "spring forward" on March 9th.

V21 6529kHz 1400z 29/12 Present but no copy due to recording failure.

V21 6529kHz 1400z 30/12 [50, 50, 50, 50, 20, 60, 40, 40, (34) 40, 20, (24) 50, 60, 10 END] TX lasted 9 minutes MON

V21 6529kHz 1400z 31/12 [Unintelligible as radio in AM mode for first 9 minutes of transmission , 50, 50, 60, 50, 50, 50, 50, 30 END] TX lasted 13 minutes. TUE

V21 6529kHz 1400z 1/1 [40, (repeat 31-40), 40, 40, 40, 50, 30, 40, 30, 50, 50, 50, 50, 20 END] TX lasted 9 minutes. WED
V21 6529kHz 1400z 2/1 [40, 30, 40, 30, 50, 40, 40, 20 END] High noise levels, unable to copy first part of TX. THU
V21 6529kHz 1400z 4/1 [90, (too weak to copy for 1 minute), 90, 90, 90, 90 END] TX lasted 12 minutes. SAT
V21 6529kHz 1400z 7/1 [50, 40 then unintelligible, 50, 60, 50, 50, 30, 30, 40 then unintelligible, 50, 50, 40, 30 then unintelligible, 50, 60, 50 then unintelligible, 40, 50 END] very weak, TX lasted 13 minutes.
V21 6529kHz 1400z 8/1 [50, 50, 50, 50, 50, 20, 40, 50, 50, 40, 50, becomes too weak to copy.] TX lasts approximately 10 minutes.
V21 6529kHz 1400z 11/1 [60, 50, 50, 50, 50, 50, 40, 30, 50, 50, 50, 40, 50, 40, 50, 20, 40, 40 END] signal strength varied between weak and strong, 2 different voices heard also. Possibly two different transmitters? TX lasted 15 minutes. SAT
V21 6529kHz 1400z 12/1 [50, 50, 40, 50, 50, 10, 10 END]
V21 6529kHz 1400z 13/1 [50, 50, 50, 50, 50, 50, 50, 50, 40, 20, 40, 40, 40, 20, 50, 50, 50, 50, 30, 30, 50, 50, 40 then too weak to copy] TX lasted more than 20 minutes. MON
V21 6529kHz 1400z 16/1 [40, too weak to copy for 90 seconds, 60, 30, 60, 50, 60, 60, fades out at 50 on the next count. END] THU
V21 6529kHz 1400z 17/1 [60, 50, 30, 50, 60, 50, 60, 50, Too weak to copy for 8 minutes, 30, 30 end] TX lasted 16 minutes. FRI
V21 6529kHz 1400z 18/1 [50, 40, 40, 30, 30, 40, 40, 60, 30, 30, 40, 40, continues for approximately 1 minute but too weak to copy.
V21 6529kHz 1400z 20/1 [50, 50 (skipping 29, 39 and 49), 50, 10 END] MON
Unintelligible at first, 90, 90, 90, 100, 20, 40, 60, 90, 10 END.] TUE
V21 6529kHz 1400z 22/1 [60, 40, 50, 40, 50, 50, 50, 20 END] WED
V21 6529kHz 1400z 23/1 [40, 60, 50, 50, 30, 50, 30, 40, 40, 40, 40, 30, 30, 50, 20, 10, 20, 40, 30, 20, 30, 40, 20, 60, 20, 10, 40, 40, 40, 40, 30, 30, 30, 40, 30, 20, 30, 40, 30, 30, END. TX lasted 25 minutes. THU
V21 6529kHz 1400z 24/1 [20, 50, 50, 50 END] FRI
V21 6529kHz 1400z 25/1 [30, 50, 40, 30, 20, (30 to 40) 50, 50, 40, 70, 40, 40 (pause at 24), 20, 10, 20 END] TX lasted 9 minutes. SAT
V21 6529kHz 1400z 27/1 [30, 50, 30, 40, 60, 40, 40, 40, 50, 30, 20, 50, 50, 40, 30, 30, 40, 30, 30, 60, 60, 30, 34, 50, 40, 20, 50, 40, 30, 50, 40, 30, 40, 30, 40, 40, 50, 20, 10, 30, 50, 20, 10 END] TX lasted 27 minutes. MON
V21 6529kHz 1400z 28/1 [50, 50, 60, 20, 50, 40, 50, 60, 50, 30, 10, 50, 60, 40, 10, 30, 30, 30, 40, 30, END]
V21 6529kHz 1400z 31/1 [40, 60, 40, 30, 30, 40, 20, 10, 10, 40, 10, 40, 40, (too weak to copy for 2 minutes), 50, 30 (Becomes too weak to copy) TX lasted at least 15 minutes. FRI
V21 6529kHz 1410z 1/2 found in progress [40, 40, continued for at least 10 minutes but too weak to copy] SAT
V21 6529kHz 1410z 2/2 [50, 50, 50, 20, 30, 50, 50, 50, 50, 60, 60, 30, 50? (very weak), 50, 60, 50, 30 END] TX lasted 12 minutes. SUN
V21 6529kHz 1410z 3/2 [
V21 5637kHz 1410z 3/2 [Too fast to copy but pause on 33 heard before continuing to 40 then back to 20] MON
V21 5637kHz 1410z 4/2 [47 (pause on 16), 36 (pause on 22), 26 END] TUE
V21 6529kHz 1410z 4/2 [50, 60, 20, 40, 40, 30, 50, 40, 40, 30, 20, 10, 20 END] TUE
V21 5637kHz 1410z 5/2 [50 (pause on 23), 46 (pause on 23 and 32), 36, 43, 33 (pause on 16) END] Very fast delivery, does not pause every 10 as Babbler on 6529kHz does.
V21 6529kHz 1400z 5/2 [80, 80, 90, 50, 60, 90, 50, 40, next count heard to 50 then too weak to copy, 30, 20 END] TX lasted 18 minutes WED
V21 6529kHz 1400z 6/2 [High noise levels, only one count from 20 to 30 audible] THU
V21 6529kHz 1400z 7/2 [Unreadable at first, 50, 50, 40, 50, 40, 50, 50, 50, next count too weak to copy, 40, 20 END. Fast delivery. TX lasted 9 minutes. FRI
V21 5637kHz 1400z 7/2 [22, 25 (pause at 16 and 22), 22, 25 (pause at 16 and 22), 32 (pause at 16, 22, 26), 32 (pause at 16, 22), 32 (pause at 16, 21), 36 (pause at 16, 22, 32), 32 (pause at 16, 23), 32 (pause at 16, 22). Too weak to copy for 1 minute more] FRI
V21 5637kHz 1420z 8/2 [2, 56 (pauses at 16, 33, 42, 53 END] SAT
V21 6529kHz 1400z 10/2 [Start at 10 count to 40, 10, 50, 50, 50, 10, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50, 50, 30 END] Continual delivery of numbers with little or no pause. TX lasted 8 minutes. MON
V21 5637kHz 1420z 10/2 [Count to 56 pausing at 22, 27, 36, 42 and 46.] Recording ended before finish of TX. MON
V21 6529kHz 1400z 11/2 [50, 50, 10, 50, 10, 50, 50, 50, 50, 50, 50, (too weak to copy next count but was higher than 40), 60, 50, 50, 40, 50, (too weak to copy for 1 minute), 30 END] TUE
V21 5637kHz 1410z 11/2 Too weak to copy. TUE
V21 6529kHz 1400z 12/2 [20, ?, 30, 10, 50, 40, 30, 50, 50, ?, 50, 40, ?, 30, 30, 30, 30, 60, 30 END] WED
V21 6529kHz 1400z 13/2 [50, 20, 40, 30, 30, (unintelligible words and then SS/YL picks up the counting) 30, (SS/OM starts counting again), 60, 40, 40, 40, 40, 10, 40, 40, 50, 30, 40, 40, 40, 30, 50 END] TX lasted 13 minutes. THU
V21 6529kHz 1400z 14/2 [60, 50, 50, 50, 50, 27, 30, 40, 10, 50, 10, 40, 20, 30, 30, 30 END] TX lasted 13 minutes. FRI
V21 6529kHz 1400z 15/2 [50, 40, 50, 50, 50, 40, 50, 30, 30, 50, 50, 50, 30, 50, 30, 20 END] TX lasted 14 minutes. SAT
V21 6529kHz 1410z 16/2 [60, 60, 40, 30, 60, 50, 50, 40, 30, 50, 40, 30, 50, 50, 50, 50, 40, 50, 20 END] TX lasted 14 minutes. SUN
V21 6529kHz 1400z 17/2 [50, 60, 50, 40, 50, 60, 50, 50, 60, 50?, 50, 20, 40, 50, 30, 30, 30 END] TX lasted 15 minutes. MON
V21 6529kHz 1430z 18/2 [60, too weak to copy next count, 60, too weak to copy next count, 90, 20 END] Up late today. TX lasted 5 minutes TUE
V21 6529kHz 1400z 19/2 [50, 40, 50, (next count at least to 50), 30, 60, 50, ?, 50, ?, 50, 40, ?, 30, 30, 10, 40, ?, 50, 50, 50, ?, ?, 60, 50, 40, 50, (unintelligible for 3 minutes), 50, 50, 30 END] TX lasted 20 minutes. WED
V21 6529kHz 1400z 20/2 [50, 50, 50, 30, 60, 50, 60, 30, 50, 40, 50, 40, 50, 30, 20 (nothing for 3 minutes), 40, 40, (too weak to copy for 2 minutes), 50, END THU
V21 6529kHz 1400z 21/2 Present but obscured by almost constant noise from lightning. One count to 30 and one t 50 heard. TX lasted at least 15 minutes. FRI
V21 6529kHz 1400z 22/2 [30, 50, 30, 40, 50, 50, 50, 40, 30 END] TX lasted 8 minutes.
V21 6529kHz 1400z 23/2 [50, 100, 50, 40, 50, 60, 70, 50, 40, 40, 40, 30, 50...] TX continued after 10 minutes but no copy. SUN.
V21 6529kHz 1400z 24/2 [50, 50, 50, 50, 50, (count from 40 to 50 again), 50, 50, 20, 100, 80, 40, 50, 40 END] TX lasted 14 minutes. MON
V21 5637kHz 1405z 24/2 Very fast delivery, one pause on 33 heard but otherwise unintelligible. MON
V21 6529kHz 1400z 26/2 [50, 30, 30, 50, 60, 20 END] TX lasted 6 minutes. WED
V21 5637kHz 1415z 26/2 In progress but too weak to copy. WED
V21 6529kHz 1400z 27/2 [60, 50, 50, 50, 50, 50, 50, above 30 but too weak to copy, 50, 50, 60, 50, 60, 50, 10, 40, 20 becomes too weak to copy.] TX lasted at least 16 minutes. THU
V21 6529kHz 1400z 28/2 [50, 60, too weak to copy next count, 40, 50, 40, 30, 40, 20, 20 END] TX lasted 6 minutes. FRI

Thanks Cuban Desk

V26

9054kHz0940z 04/02 YL - 3 fig groups

JPL

TUE

Polytones:**XPA c**

9108kHz0700z	01/01[192 000 05325 00001 00000 10140] Very strong		(2m26s)	PLdn	WED
10908kHz0720z	01/01[192 000 05325 00001 00000 10140] Very strong		(2m26s)	PLdn	WED
12208kHz0740z	01/01[192 000 05325 00001 00000 10140] Very strong		(2m26s)	PLdn	WED
9108kHz0700z	04/01[192 000 02462 00001 00000 10140] Weak		(2m26s)	PLdn	SAT
10908kHz0720z	04/01[192 000 02462 00001 00000 10140] Weak		(2m26s)	PLdn	SAT
12208kHz0740z	04/01[192 000 02462 00001 00000 10140] Strong		(2m26s)	PLdn	SAT
9108kHz0700z	08/01[192 1 01238 00183 64217 00013] Very strong		(4m17s)	PLdn	WED
10908kHz0720z	08/01[192 1 01238 00183 64217 00013] Very strong		(4m17s)	PLdn	WED
12208kHz0740z	08/01[192 1 01238 00183 64217 00013] Very strong		(4m17s)	PLdn	WED
9108kHz0700z	11/01[192 1 01238 00183 64217 00013] Strong		(4m17s)	PLdn	SAT
10908kHz0720z	11/01[192 1 01238 00183 64217 00013] Weak, QRM3		(4m17s)	PLdn	SAT
12208kHz0740z	11/01[192 1 01238 00183 64217 00013] Fair		(4m17s)	PLdn	SAT
9108kHz0700z	15/01[192 1 01238 00183 64217 00013] Very strong	repeat of msg sent 08/01 and 11/01	(4m18s)	PLdn	WED
10908kHz0720z	15/01[192 1 01238 00183 64217 00013] Very strong	repeat of msg sent 08/01 and 11/01	(4m18s)	PLdn	WED
12208kHz0740z	15/01[192 1 01238 00183 64217 00013] Very strong	repeat of msg sent 08/01 and 11/01	(4m18s)	PLdn	WED
9108kHz0700z	18/01[192 000 01637 00001 00000 10140] Weak		(2m26s)	NDL, PLdn	SAT
10908kHz0720z	18/01[192 000 01637 00001 00000 10140] Weak		(2m26s)	NDL, PLdn	SAT
12208kHz0740z	18/01[192 000 01637 00001 00000 10140] Weak		(2m26s)	NDL, PLdn	SAT
9108kHz0700z	22/01[192 1 07995 00235 21692 25761] Very strong		(4m50s)	PLdn	WED
10908kHz0720z	22/01[192 1 07995 00235 21692 25761] Very strong		(4m50s)	PLdn	WED
12208kHz0740z	22/01[192 1 07995 00235 21692 25761] Very strong		(4m50s)	PLdn	WED
9108kHz0700z	25/01[192 1 07995 00235 21692 25761] Weak		(4m50s)	PLdn	SAT
10908kHz0720z	25/01[192 1 07995 00235 21692 25761] Fair		(4m50s)	PLdn	SAT
12208kHz0740z	25/01[192 1 07995 00235 21692 25761] Fair		(4m50s)	PLdn	SAT
9108kHz0700z	29/01[192 1 07663 00001 00000 10140] Very strong		(2m26s)	PLdn	WED
10908kHz0720z	29/01[192 1 07663 00001 00000 10140] Very strong		(2m26s)	PLdn	WED
12208kHz0740z	29/01[192 1 07663 00001 00000 10140] Very strong		(2m26s)	PLdn	WED

February 2014

11409kHz0700z	01/02[456 000 09069 00001 00000 10140] Fair, noisy	(2m26s)	PLdn	SAT
13509kHz0720z	01/02[456 000 09069 00001 00000 10140] Very strong	(2m26s)	NDL,PLdn	SAT
14609kHz0740z	01/02[456 000 09069 00001 00000 10140] Very strong	(2m26s)	NDL,PLdn	SAT
11409kHz0700z	05/02[456 1 03321 00181 00221 77744] Very strong	(4m16s)	PLdn	WED
13509kHz0720z	05/02[456 1 03321 00181 00221 77744] Very strong	(4m16s)	PLdn	WED
14609kHz0740z	05/02[456 1 03321 00181 00221 77744] Very strong	(4m16s)	PLdn	WED
11409kHz0700z	08/02[456 1 03321 00181 00221 77744] Very strong	(4m16s)	PLdn	SAT
13509kHz0720z	08/02[456 1 03321 00181 00221 77744] Very strong	(4m16s)	PLdn	SAT
14609kHz0740z	08/02[456 1 03321 00181 00221 77744] Very strong	(4m16s)	PLdn	SAT
11409kHz0700z	12/02[456 1 06103 00205 55093 27157] Very strong	(4m31s)	PLdn	WED
13509kHz0720z	12/02[456 1 06103 00205 55093 27157] Very strong	(4m31s)	PLdn	WED
14609kHz0740z	12/02[456 1 06103 00205 55093 27157] Very strong	(4m31s)	PLdn	WED
11409kHz0700z	15/02[456 1 09102 00097 96678 71717] Strong, QRM2	(3m24s)	PLdn	SAT
13509kHz0720z	15/02[456 1 09102 00097 96678 71717] Very strong	(3m24s)	PLdn	SAT
14609kHz0740z	15/02[456 1 09102 00097 96678 71717] Very strong	(3m24s)	PLdn	SAT
11409kHz0700z	19/02[456 000 04746 00001 00000 10140] Very strong	(2m26s)	PLdn	WED
13509kHz0720z	19/02[456 000 04746 00001 00000 10140] Very strong	(2m26s)	PLdn	WED
14609kHz0740z	19/02[456 000 04746 00001 00000 10140] Very strong	(2m26s)	PLdn	WED
11409kHz0700z	22/02[456 1 05458 00101 64410 63273] Fair, LocalQRM4	(3m28s)	PLdn	SAT
13509kHz0720z	22/02[456 1 05458 00101 64410 63273] Fair	(3m28s)	PLdn	SAT
14609kHz0740z	22/02[456 1 05458 00101 64410 63273] Strong	(3m28s)	PLdn	SAT

11409kHz0700z	26/02[456 000 08227 00001 00000 10140] Very strong	(2m26s)	PLdn	WED
13509kHz0720z	26/02[456 000 08227 00001 00000 10140] Very strong	(2m26s)	PLdn	WED
14609kHz0740z	26/02[456 000 08227 00001 00000 10140] Very strong	(2m26s)	PLdn	WED

XPA e

7891kHz1900z	02/01 Very weak, QRM2/3,unprocessable		PLdn	THU
6791kHz1920z	02/01[873 000 07676 00001 00000 10140] Weak	(2m26s)	PLdn	THU
5391kHz1940z	02/01[873 000 07676 00001 00000 10140] Weak	(2m26s)	PLdn	THU
7891kHz1900z	07/01 Weak, QRM2/3, unprocessable		PLdn	TUE
6791kHz1920z	07/01[873 000 02856 00001 00000 10140] Weak	(2m26s)	PLdn, Gert	TUE
5391kHz1940z	07/01[873 000 02856 00001 00000 10140] Fair	(2m26s)	PLdn	TUE
7891kHz1900z	09/01[873 1 06126 00189 74605 67511] Weak, QRM2/3	(4m21s)	PLdn	THU
6791kHz1920z	09/01 Weak, QRM2/3, unprocessable		PLdn	THU
5391kHz1940z	09/01 Weak, QRM2/3, unprocessable		PLdn	THU
7891kHz1900z	14/01[873 000 04136 00001 00000 10140] Weak and noisy	(2m26s)	NDL	TUE
6791kHz1920z	14/01[873 000 04136 00001 00000 10140] Weak and noisy	(2m26s)	EE, NDL	TUE
5391kHz1940z	14/01[873 000 04136 00001 00000 10140] Weak and noisy	(2m26s)	NDL	TUE
7891kHz1900z	16/01 NRH		PLdn	THU
6791kHz1920z	16/01[873 000 04527 00001 00000 10140] Fair	(2m26s)	PLdn	THU
5391kHz1940z	16/01[873 000 04527 00001 00000 10140] Weak	(2m26s)	PLdn	THU
7891kHz1900z	21/01[873 1 09876 00169 42531 32767] Weak	(4m08s)	PLdn	TUE
6791kHz1920z	21/01[873 1 09876 00169 42531 32767] Fair, QSB3	(4m08s)	PLdn	TUE
5391kHz1940z	21/01[873 1 09876 00169 42531 32767] Strong	(4m08s)	PLdn	TUE
7891kHz1900z	23/01[873 1 09876 00169 42531 32767] Fair	(4m08s)	PLdn	THU
6791kHz1920z	23/01[873 1 09876 00169 42531 32767] Fair	(4m08s)	PLdn	THU
5391kHz1940z	23/01[873 1 09876 00169 42531 32767] Strong	(4m08s)	PLdn	THU
7891kHz1900z	28/01[873 1 03412 00261 67815 30507] Fair	(5m06s)	PLdn	TUE
6791kHz1920z	28/01[873 1 03412 00261 67815 30507] Fair	(5m06s)	PLdn	TUE
5391kHz1940z	28/01[873 1 03412 00261 67815 30507] Weak	(5m06s)	PLdn	TUE
7891kHz1900z	30/01[873 1 03412 00261 67815 30507] Fair	(5m06s)	PLdn	THU
6791kHz1920z	30/01[873 1 03412 00261 67815 30507] Fair	(5m06s)	PLdn	THU
5391kHz1940z	30/01[873 1 03412 00261 67815 30507] Weak	(5m06s)	PLdn	THU

February 2014

8123kHz1900z	04/02[158 000 06421 00001 00000 10140] Weak & noisy	(2m26s)	PLdn	TUE
7523kHz1920z	04/02[158 000 06421 00001 00000 10140] Weak, BCQRM3	(2m26s)	PLdn	TUE
6823kHz1940z	04/02[158 000 06421 00001 00000 10140] Weak	(2m26s)	PLdn	TUE
8123kHz1900z	06/02[158 1 05611 00199 28802 61471] Strong	(4m28s)	PLdn	THU
7523kHz1920z	06/02[158 1 05611 00199 28802 61471] Strong, BCQRM2	(4m28s)	PLdn	THU
6823kHz1940z	06/02[158 1 05611 00199 28802 61471] Fair, QSB2/3	(4m28s)	PLdn	THU
8123kHz1900z	11/02[158 1 09630 00255 59559 34425] Fair	(5m02s)	PLdn, tiNG	TUE
7523kHz1920z	11/02[158 1 09630 00255 59559 34425] BCQRM3/4	(5m02s)	PLdn, tiNG	TUE
6823kHz1940z	11/02 Weak unprocessable		PLdn	TUE
8123kHz1900z	13/02[158 1 09630 00255 59559 34425] Strong	(5m02s)	PLdn, NDL	THU
7523kHz1920z	13/02[158 1 09630 00255 59559 34425] Fair, QRM3	(5m02s)	PLdn, NDL	THU
6823kHz1940z	13/02[158 1 09630 00255 59559 34425] Strong	(5m02s)	PLdn, NDL	THU
8123kHz1900z	18/02[158 000 01719 00001 00000 10140] Fair	(2m26s)	PLdn	TUE
7523kHz1920z	18/02[158 000 01719 00001 00000 10140] Fair, BCQRM2	(2m26s)	PLdn	TUE
6823kHz1940z	18/02[158 000 01719 00001 00000 10140] Strong	(2m26s)	PLdn	TUE
8123kHz1900z	20/02[158 000 04480 00001 00000 10140] Fair	(2m26s)	PLdn	THU
7523kHz1920z	20/02[158 000 04480 00001 00000 10140] Fair, BCQRM2	(2m26s)	PLdn	THU
6823kHz1940z	20/02[158 000 04480 00001 00000 10140] Fair	(2m26s)	PLdn	THU
8123kHz1900z	25/02[158 1 00942 00117 57938 31077] Strong	(3m36s)	PLdn	TUE
7523kHz1920z	25/02[158 1 00942 00117 57938 31077] Fair, BCQRM3	(3m36s)	PLdn	TUE
6823kHz1940z	25/02[158 1 00942 00117 57938 31077] Weak, QSB3	(3m36s)	PLdn	TUE

8123kHz	1900z	27/02[158 1 00942 00117 57938 31077] Fair	(3m36s)	PLdn	THU
7523kHz	1920z	27/02[158 1 00942 00117 57938 31077] Fair, BCQRM3/4	(3m36s)	PLdn	THU
6823kHz	1940z	27/02[158 1 00942 00117 57938 31077] Fair, QSB3	(3m36s)	PLdn	THU

XPA2 m

16138kHz1300z	05/01[05300 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
14438kHz1320z	05/01[05300 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
13438kHz1340z	05/01[05300 00001 00000 10140] Strong	(2m11s)	PLdn	SUN
16138kHz1300z	07/01[06934 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
14438kHz1320z	07/01[06934 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
13438kHz1340z	07/01[06934 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
16138kHz1300z	12/01[01816 00081 51901 47276] Very strong, QRM2	(3m18s)	PLdn	SUN
14438kHz1320z	12/01[01816 00081 51901 47276] Very strong	(3m18s)	PLdn	SUN
13438kHz1340z	12/01[01816 00081 51901 47276] Strong	(3m18s)	PLdn	SUN
16138kHz1300z	14/01[01816 00081 51901 47276] Very strong	(3m18s)	PLdn	TUE
14438kHz1320z	14/01[01816 00081 51901 47276] Very strong	(3m18s)	PLdn	TUE
13438kHz1340z	14/01[01816 00081 51901 47276] Very strong	(3m18s)	PLdn	TUE
16138kHz1300z	19/01[02167 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
14438kHz1320z	19/01[02167 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
13438kHz1340z	19/01[02167 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
16138kHz1300z	21/01[01632 00001 00000 10140] Fair, QSB2	(2m11s)	PLdn	TUE
14438kHz1320z	21/01[01632 00001 00000 10140] Strong	(2m11s)	PLdn	TUE
13438kHz1340z	21/01[01632 00001 00000 10140] Strong	(2m11s)	PLdn	TUE
16138kHz1300z	26/01[03527 00057 29856 30012] Very strong	(2m54s)	PLdn	SUN
14438kHz1320z	26/01[03527 00057 29856 30012] Very strong	(2m54s)	PLdn	SUN
13438kHz1340z	26/01[03527 00057 29856 30012] Weak	(2m54s)	PLdn	SUN
16138kHz1300z	28/01[03527 00057 29856 30012] Fair	(2m54s)	PLdn	TUE
14438kHz1320z	28/01[03527 00057 29856 30012] Very strong	(2m54s)	PLdn	TUE
13438kHz1340z	28/01[03527 00057 29856 30012] Very strong	(2m54s)	PLdn	TUE

February 2014

16338kHz1500z	02/02[07993 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
14538kHz1520z	02/02[07993 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
13538kHz1540z	02/02[07993 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
16338kHz1500z	04/02[06690 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
14538kHz1520z	04/02[06690 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
13538kHz1540z	04/02[06690 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
16338kHz1500z	09/02[00542 00101 11580 23320] Fair	(3m29s)	PLdn	SUN
14538kHz1520z	09/02[00542 00101 11580 23320] Strong	(3m29s)	PLdn	SUN
13538kHz1540z	09/02[00542 00101 11580 23320] Strong	(3m29s)	PLdn	SUN
16338kHz1500z	11/02[00542 00101 11580 23320] Very strong	(3m29s)	PLdn	TUE
14538kHz1520z	11/02[00542 00101 11580 23320] Very strong	(3m29s)	PLdn	TUE
13538kHz1540z	11/02[00542 00101 11580 23320] Strong	(3m29s)	PLdn	TUE
16338kHz1500z	16/02[05188 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
14538kHz1520z	16/02[05188 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
13538kHz1540z	16/02[05188 00001 00000 10140] Very strong	(2m11s)	PLdn	SUN
16338kHz1500z	18/02[06099 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
14538kHz1520z	18/02[06099 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
13538kHz1540z	18/02[06099 00001 00000 10140] Very strong	(2m11s)	PLdn	TUE
16338kHz1500z	23/02[07659 00067 81991 74156] Very strong	(3m02s)	PLdn	SUN
14538kHz1520z	23/02[07659 00067 81991 74156] Very strong	(3m02s)	PLdn	SUN
13538kHz1540z	23/02[07659 00067 81991 74156] Very strong	(3m02s)	PLdn	SUN
16338kHz1500z	25/02[07659 00067 81991 74156] Very strong	(3m02s)	PLdn	TUE
14538kHz1520z	25/02[07659 00067 81991 74156] Very strong	(3m02s)	PLdn	TUE
13538kHz1540z	25/02[07659 00067 81991 74156] Very strong	(3m02s)	PLdn	TUE

XPA2 p**January 2014**

15978kHz0800z	01/01[07697 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
14978kHz0820z	01/01[07697 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
14378kHz0840z	01/01[07697 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
15978kHz0800z	06/01[02856 00001 00000 10140] Very strong	(2m11s)	PLdn	MON
14978kHz0820z	06/01[02856 00001 00000 10140] Very strong	(2m11s)	PLdn	MON
14378kHz0840z	06/01[02856 00001 00000 10140] Very strong	(2m11s)	PLdn	MON
15978kHz0800z	08/01[04556 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
14978kHz0820z	08/01[04556 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
14378kHz0840z	08/01[04556 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
15978kHz0800z	13/01[05070 00205 91393 44225] Very strong	(4m48s)	PLdn	MON
14978kHz0820z	13/01[05070 00205 91393 44225] Very strong	(4m48s)	PLdn	MON
14378kHz0840z	13/01[05070 00205 91393 44225] Very strong	(4m48s)	PLdn	MON
15978kHz0800z	15/01[05070 00205 91393 44225] Very strong	(4m48s)	PLdn	WED
14978kHz0820z	15/01[05070 00205 91393 44225] Very strong	(4m48s)	PLdn	WED
14378kHz0840z	15/01[05070 00205 91393 44225] Very strong	(4m48s)	PLdn	WED
15978kHz0800z	20/01[08056 00001 00000 10140] Very strong	(2m11s)	PLdn	MON
14978kHz0820z	20/01[08056 00001 00000 10140] Very strong	(2m11s)	PLdn	MON
14378kHz0840z	20/01[08056 00001 00000 10140] Very strong	(2m11s)	PLdn	MON
15978kHz0800z	22/01[04258 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
14978kHz0820z	22/01[04258 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
14378kHz0840z	22/01[04258 00001 00000 10140] Very strong	(2m11s)	PLdn	WED
15978kHz0800z	27/01[00264 00187 49002 21761] Very strong	(4m34s)	PLdn	MON
14978kHz0820z	27/01[00264 00187 49002 21761] Very strong	(4m34s)	PLdn	MON
14378kHz0840z	27/01[00264 00187 49002 21761] Very strong	(4m34s)	PLdn	MON
15978kHz0800z	29/01[00264 00187 49002 21761] Very strong	(4m34s)	PLdn	WED
14978kHz0820z	29/01[00264 00187 49002 21761] Very strong	(4m34s)	PLdn	WED
14378kHz0840z	29/01[00264 00187 49002 21761] Very strong	(4m34s)	PLdn	WED

February 2014

15983kHz0800z	03/02[07338 00001 00000 10140] Very strong	(2m11s)	PLdn	MON	
14783kHz0820z	03/02[07338 00001 00000 10140] Very strong	(2m11s)	PLdn	MON	
13883kHz0840z	03/02[07338 00001 00000 10140] Very strong	(2m11s)	PLdn	MON	
15983kHz0800z	05/02[06269 00001 00000 10140] Very strong	(2m11s)	PLdn	WED	
14783kHz0820z	05/02[06269 00001 00000 10140] Very strong	(2m11s)	PLdn	WED	
13883kHz0840z	05/02[06269 00001 00000 10140] Very strong	(2m11s)	PLdn	WED	
15983kHz0800z	10/02[01287 00185 12966 15777] Very strong	(4m33s)	PLdn	MON	
14783kHz0820z	10/02[01287 00185 12966 15777] Very strong	(4m33s)	PLdn	MON	
13883kHz0840z	10/02[01287 00185 12966 15777] Very strong	(4m33s)	PLdn	MON	
15983kHz0800z	12/02[01287 00185 12966 15777] Very strong	(4m33s)	PLdn	WED	
14783kHz0820z	12/02[01287 00185 12966 15777] Very strong	(4m33s)	PLdn	WED	
13883kHz0840z	12/02[01287 00185 12966 15777] Very strong	(4m33s)	PLdn	WED	
15983kHz0800z	17/02[05124 00001 00000 10140] Very strong	(2m11s)	PLdn	MON	
14783kHz0820z	17/02[05124 00001 00000 10140] Very strong	(2m11s)	PLdn	MON	
13883kHz0840z	17/02[05124 00001 00000 10140] Very strong	(2m11s)	PLdn	MON	
15983kHz0800z	19/02[01692 00001 00000 10140] Very strong	(2m11s)	PLdn	WED	
14783kHz0820z	19/02[01692 00001 00000 10140] Very strong	(2m11s)	PLdn	WED	
13883kHz0840z	19/02[01692 00001 00000 10140] Very strong	(2m11s)	PLdn	WED	
15983kHz0800z	24/02[08013 00247 51924 04055] Very strong	see over	(5m20s)	PLdn	MON
14783kHz0820z	24/02[08013 00247 51924 04055] Very strong		(5m20s)	PLdn	MON
13883kHz0840z	24/02[08013 00247 51924 04055] Very strong		(5m20s)	PLdn	MON

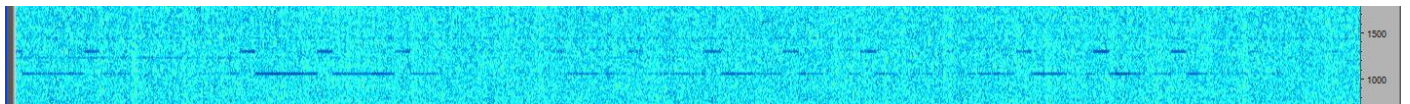
Rivet (Build 81) by Ian Wraith
09:23:12 Loading file C:\RX320\Scan320-V1r1\WaveFiles\15983_022414_0800.wav
09:23:12 XPA2 Start Tones Found (correcting by -98 Hz)
09:23:16 Sync tone found
09:23:16 Symbol timing found

08013 00247 51924 48310 63227 42366 76375 14783 95347 67011 71038 41561 32756 90214 01267
28643 50596 30835 31172 31246 42637 18743 56844 11785 82462 36442 11132 00701 42871 19255
40481 26664 21123 39228 22122 40157 82822 43317 02616 28222 38205 53948 31874 23503 60045
66284 87502 10760 03396 64621 29966 48324 78956 34859 32578 71348 68940 79213 42384 20309
02475 31490 55716 44859 69386 58605 75216 79887 79722 57468 54463 03854 39256 81799 30396
67144 90091 98868 63380 30654 79435 87613 42391 71551 74619 51909 52337 63659 53256 31113
67645 60988 38649 03567 13670 16927 01917 09977 69085 50404 55832 75815 35159 78875 63332
82826 90681 36189 84011 67861 10872 08841 09737 99582 76061 54236 41463 29133 59330 60590
84768 42155 63795 36128 79563 92990 64895 35426 16052 63581 75153 18192 18503 88116 98190
51172 08614 82228 73682 92907 63617 67163 22291 14472 71528 56602 86943 54701 40564 78361
35265 08151 73702 64774 51880 86071 55643 39399 10479 35513 77071 42459 37136 50523 37513
70409 47394 12236 00224 94490 51437 83350 72601 50304 28843 78233 80510 25992 61844 90485
88260 8322 1844 48000 2180 3422 22667 46678 34683 74329 66669 66772 50856 32568 03422
06951 95364 81661 45931 27555 39526 16970 56706 81887 67422 78590 49650 24552 68060 82078
93572 29138 59598 63337 32828 71008 54856 22953 26643 84906 31179 71339 15405 38454 88879
42276 81030 55924 92565 91923 25864 31422 04574 95804 72914 04795 39269 12791 20417 59930
03955 47061 98417 72156 88713 74859 59240 39011 69760 04055 End Tone
09:23:19 XPA2 Decode Complete
09:23:20 WAV file loaded and analysis complete (3530054 samples read)

15983kHz0800z	26/02[08013 00247 51924 04055] Very strong	(5m20s)	PLdn	WED
14783kHz0820z	26/02[08013 00247 51924 04055] Very strong	(5m20s)	PLdn	WED
13883kHz0840z	26/02[08013 00247 51924 04055] Very strong	(5m20s)	PLdn	WED

XPA2 r

16167kHz1400z	03/01 MISSED		PLdn	FRI
14663kHz1420z	03/01 MISSED		PLdn	FRI
13923kHz1440z	03/01[08971 00001 00000 10140] Fair	(2m11s)	PLdn	FRI



16167kHz1400z	04/01 Extremely weak, possibly off frequency [<i>see spectral image above</i>]		PLdn	SAT
14663kHz1420z	04/01 NRH		PLdn	SAT
13923kHz1440z	04/01 NRH		PLdn	SAT

16167kHz1400z	10/01[09218 00177 31554 66450] Very strong	(4m21s)	PLdn	FRI
14663kHz1420z	10/01[09218 00177 31554 66450] Very strong	(4m21s)	PLdn	FRI
13923kHz1440z	10/01[09218 00177 31554 66450] Very strong	(4m21s)	PLdn	FRI

16167kHz1400z	11/01[09218 00177 31554 66450] Very strong, QRM4	(4m21s)	PLdn	SAT
14663kHz1420z	11/01[09218 00177 31554 66450] Very strong	(4m21s)	PLdn	SAT
13923kHz1440z	11/01[09218 00177 31554 66450] Very strong	(4m21s)	PLdn	SAT

16167kHz1400z	17/01[06620 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
14663kHz1420z	17/01[06620 00001 00000 10140] Fair, QSB2	(2m11s)	PLdn	FRI
13923kHz1440z	17/01[06620 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI

16167kHz1400z	18/01[01306 00001 00000 10140] Strong	(2m11s)	PLdn	SAT
14663kHz1420z	18/01[01306 00001 00000 10140] Strong	(2m11s)	PLdn	SAT
13923kHz1440z	18/01[01306 00001 00000 10140] Strong	(2m11s)	PLdn	SAT

16167kHz1400z	24/01[05273 00113 52517 55477] Very strong	(3m38s)	PLdn	FRI
14663kHz1420z	24/01[05273 00113 52517 55477] Very strong	(3m38s)	PLdn	FRI
13923kHz1440z	24/01[05273 00113 52517 55477] Very strong	(3m38s)	PLdn	FRI

16167kHz1400z	25/01[05273 00113 52517 55477] Very strong	(3m38s)	PLdn	SAT
14663kHz1420z	25/01[05273 00113 52517 55477] Very strong	(3m38s)	PLdn	SAT
13923kHz1440z	25/01[05273 00113 52517 55477] Very strong	(3m38s)	PLdn	SAT

16167kHz1400z	31/01[04210 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
14663kHz1420z	31/01[04210 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
13923kHz1440z	31/01[04210 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI

February 2014

18667kHz1400z	01/02[04866 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
17419kHz1420z	01/02[04866 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
16212kHz1440z	01/02[04866 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT

18667kHz1400z	07/02[08338 00161 65084 41350] Very strong	(4m14s)	PLdn	FRI
17419kHz1420z	07/02[08338 00161 65084 41350] Very strong	(4m14s)	PLdn	FRI
16212kHz1440z	07/02[08338 00161 65084 41350] Very strong	(4m14s)	PLdn	FRI
18667kHz1400z	08/02[08338 00161 65084 41350] Very strong	(4m14s)	PLdn	SAT
17419kHz1420z	08/02[08338 00161 65084 41350] Very strong	(4m14s)	PLdn	SAT
16212kHz1440z	08/02[08338 00161 65084 41350] Very strong	(4m14s)	PLdn	SAT
18667kHz1400z	14/02[02882 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
17419kHz1420z	14/02[02882 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
16212kHz1440z	14/02[02882 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
18667kHz1400z	15/02[06870 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
17419kHz1420z	15/02[06870 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
16212kHz1440z	15/02[06870 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
18667kHz1400z	21/02[06181 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
17419kHz1420z	21/02[06181 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
16212kHz1440z	21/02[06181 00001 00000 10140] Very strong	(2m11s)	PLdn	FRI
18667kHz1400z	22/02[04164 00001 00000 10140] Strong	(2m11s)	PLdn	SAT
17419kHz1420z	22/02[04164 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
16212kHz1440z	22/02[04164 00001 00000 10140] Very strong	(2m11s)	PLdn	SAT
18667kHz1400z	28/02[02604 00115 18342 44053] Very strong	(3m39s)	PLdn	FRI
17419kHz1420z	28/02[02604 00115 18342 44053] Very strong	(3m39s)	PLdn	FRI
16212kHz1440z	28/02[02604 00115 18342 44053] Very strong	(3m39s)	PLdn	FRI

XPA2 t [was u – unclassified]

January 2014

20258kHz0800z	14/04[00934 00174 14789 25254] Good	(4m04s)	RNGB	TUE
15858kHz0840z	14/04[00934 00174 14789 25254]	(4m04s)	V	TUE
20258kHz0800z	17/01 NRH		PLdn	FRI
18058kHz0820z	17/01[00934 00147 14789 25254] Fair, QSB2	(4m04s)	PLdn	FRI
15858kHz0840z	17/01[00934 00147 14789 25254] Fair, QSB2	(4m04s)	PLdn	FRI
20258kHz0800z	21/01 Very weak, unprocessable		PLdn	TUE
18058kHz0820z	21/01[04746 00001 00000 10140] Very weak	(2m11s)	PLdn	TUE
15858kHz0840z	21/01[04746 00001 00000 10140] Weak	(2m11s)	PLdn	TUE
20258kHz0800z	24/01 Very weak, unprocessable		PLdn	FRI
18058kHz0820z	24/01 Very weak, unprocessable		PLdn	FRI
15858kHz0840z	24/01[05391 00001 00000 10140] Weak	(2m11s)	PLdn	FRI
20258kHz0800z	28/01 NRH		PLdn	TUE
18058kHz0820z	28/01 Very weak, unprocessable	(4m22s)	PLdn	TUE
15858kHz0840z	28/01[00463 00171 98761 73250] Fair	(4m22s)	PLdn	TUE
20258kHz0800z	31/01 Very weak, unprocessable		PLdn	FRI
18058kHz0820z	31/01 Very weak, unprocessable		PLdn	FRI
15858kHz0840z	31/01[00463 00171 nnnnn 73250] Very weak	(4m22s)	PLdn	FRI

February 2014

20258kHz0800z	04/02 Very weak, unprocessable		PLdn	TUE
18058kHz0820z	04/02[00316 00157 33615 63173] Fair, QSB3	(4m12s)	PLdn	TUE
15858kHz0840z	04/02[00316 00157 33615 63173] Fair, QSB3	(4m12s)	PLdn	TUE
20258kHz0800z	07/02[00316 00157 33615 63173] Strong	(4m12s)	PLdn	FRI
18058kHz0820z	04/02[00316 00157 33615 63173] Strong, QSB3/4	(4m12s)	PLdn	FRI
15858kHz0840z	04/02[00316 00157 33615 63173] Fair, QSB4	(4m12s)	PLdn, RNGB	FRI
20258kHz0800z	11/02 Very weak, unprocessable		PLdn	TUE
18058kHz0820z	11/02 Very weak, unprocessable		PLdn	TUE
15858kHz0840z	11/02 Very weak, unprocessable		PLdn	TUE
20258kHz0800z	14/02 Weak, unprocessaable		PLdn	FRI
18058kHz0820z	14/02[00429 00131 61617 10471] Fair. QRM3 QSB2	(4m12s)	PLdn	FRI
15858kHz0840z	14/02[00429 00131 61617 10471] Strong	(4m12s)	PLdn	FRI

20258kHz0800z	18/02 Very weak, unprocessable		PLdn	TUE
18058kHz0820z	18/02[07591 00001 00000 10140 Fair	(2m11s)	PLdn	TUE
15858kHz0840z	18/02[07591 00001 00000 10140 Fair, QSB2	(2m11s)	PLdn	TUE
20258kHz0800z	21/02 Very weak, unprocessaable		PLdn	FRI
18058kHz0820z	21/02[08137 00001 00000 10140] Very weak	(2m11s)	PLdn	FRI
15858kHz0840z	21/02 Very weak, unprocessaable		PLdn	FRI
20258kHz0800z	25/02 Very weak, unprocessable		PLdn	TUE
18058kHz0820z	25/02[00197 00089 15867 73641]Strong	(3m20s)	RNGB, PLdn	TUE
15858kHz0840z	25/02[00197 00089 15867 73641] Fair	(3m20s)	PLdn	TUE
20258kHz0800z	28/02 Very weak, unprocessable	(3m20s)	PLdn	FRI
18058kHz0820z	28/02 Very weak, unprocessable	(3m20s)	PLdn	FRI
15858kHz0840z	28/02 Very weak, unprocessable	(3m20s)	PLdn	FRI

Digital, Incursions and Unexplained Signals

In this desk report I thought we would take a closer look at FSK200/500 which due to its lack of traffic and limited number of schedules tends to be something of a forgotten mode. However in January I managed to find another schedule which transmits on Saturday at 18:10 , 18:20 and 18:30. Then I found it again on its new frequencies in February so this doesn't appear to be a short lived one. So the currently known FSK200/500 schedules are ..

Day	Times	Comments
Saturday	13:00/10/20	Usually null messages perhaps two actual messages a year.
Saturday	18:10/20/30	May be a repeat of the 13::00/10/20 schedule.
Thursday	20:00/10/20	Usually null messages with perhaps one actual message a year.

A null message consists of the line ..

00000+++++++162)5761

Repeated throughout the 6 or 7 minute long transmission.

On Saturday February 22nd 2014 I monitored and decoded (using Rivet) the 13:00 transmission (which was on 19441 KHz during February) which as expected was the usual null message. Then at 13:10 having confirmed that the next transmission in the schedule was on the expected frequency (17456 KHz during February) I began to tune around looking for something more interest. To my surprise I found another stronger FSK200/500 transmission in progress on 12207 KHz which I recorded and which lasted until 13:17. At 13:20 I checked for another transmission and sure enough there is was on 14432 KHz so I recorded it until it ended at 13:27. When I decoded both recordings I found that both contained the same message (more on that shortly). Now I presume there was also a 13:00 transmission which I missed also sending this message. What is unusual though is that the 13:20 transmission was on a higher frequency than the 13:10. Normally with this mode (and FSK200/1000) the first transmission in the schedule is on the highest frequency with the following ones on progressively lower frequencies. Now I have seen one off FSK200/500 transmissions before , these always carry traffic and never reappear at the same time the following week. I call these transmissions the 'erratics' and they are in need of a lot more study at a future date. However these transmissions don't repeat like this one did. The timing of this message is interesting though being sent during the winter olympics held in Russia and during the events in the Ukraine so I wonder if there was something of a panic on and messages needed to be sent quickly.

The full message sent was as follows ..

+++++++108=8741
693471545300131=8082
178088359744871 =8633
348244772149170100=8174
25526993738650172 =8795
243051274320015119=8016
46776824034378835 =8587
626702053270286119=8018
622146734394000129=7979
251405910190183112=82010
267313495867112=84811
655583059870704157=87312
74628803451025899 =80813
45588716887760889 =83714
50025799386233737 =84215
318625906877590113=78416
36566310410296119=82317
427147061881802107=80618
34054920436596668 =87919
82028525367071342 =85520
881502492865870154=77021
264008578379698144=87522
25788244864020148=84123
14287578368767430 =83524
77332529731806274 =81825

535358408643042129=86526
 95107983413638657 =90127
 977189364713220143=87728
 036000756460118118=85829
 734875301437516131=87530
 36664521503606865 =82931
 517615424829201159=83932
 53569336240083151=86933
 763989837492668105=76834
 257632222998931141=83735
 6189658826733124=76836
 1214272850398589 =84437
 2087390035670799 =86138
 98577901486137098 =84139
 206563972907135111=87240
 23446217322351758 =85041
 4263206257752181 =88742
 51980101196867517=80743
 0784158482319066 =82344
 533638134880823173=84545
 70676811055784032 =86246
 8331939121815785 =86747
 49277466223731060 =86148
 161410000000000121=72049
 000000000000000121=72050
 00000000000000081 =87851
 59900492826510888 =83952
 82107478796277613 =80953
 03226391063085391 =83954
 971402047192214105=87655
 29547500195016674 =8465
 085145668446623122=8357
 0134720871227147=85158
 8488628304551951 =8459
 098143541174066125=86360
 960195074882136127=77561
 17484596208910794 =84362
 14666786213187159 =85863
 763989837492668105=76834
 544752046251963100=87765
 43316243115060149=85966
 1220426531042696 =80467
 38644404703066580 =84568
 69309376196333735 =85769
 8339863035074109=77070
 143751454150879150=81771
 085719434621368112=87572
 292678637056757 =80273
 88573830686304757 =82174
 513661460361584104=86575
 8839896569579989 =81576
 082059842349973101=85777
 824780622693178112=86978
 04713495565138286 =80879
 82170374871140371 =80480
 44905434027256971 =86281
 356371709100000146)58182

What does this mean ? Well I believe since the null message contains five zeros that this traffic is offline 5 digit groups. So lets look at the last two lines viewed as I believe they should be ..

44905 43402 72569 71 = 862 81
 35637 17091 00000 146) 581 82

The three groups of five digit numbers in red is the encrypted offline message (notice it ends with 00000). The purpose of the two or three digit number in blue which comes next is less clear. Initially I had presumed this was some kind of a mathematical checksum to allow the receiving station to know the encrypted traffic had been received correctly. However if we look at the following two lines from the message we can see this isn't the case ..

00000 00000 00000 121 = 720 50
 00000 00000 00000 81 = 878 51

See both lines contain the same traffic (in red) but the blue numbers are different. If these were were checksums since the traffic is the same they would be the same. Like wise I had wondered if the three digit number that follows the = or) sign (in black) was the checksum but again these are different. So I'm afraid I have no idea what the purpose of these numbers is. The purpose of the last one or two digits (shown above in light green) is known , these display the line number with this particular message containing 82 lines. So using those principles I believe the actual encrypted message being transmitted was ..

69347 15453 00131 17808 83597 44871 34824 47721 49170 25526 99373 86501
 24305 12743 20015 46776 82403 43788 62670 20532 70286 62214 67343 94000
 25140 59101 90183 26731 34958 67112 65558 30598 70704 74628 80345 10258
 45588 71688 77608 88555 50025 79938 62337 59068 77590 36566 31041 02961
 42714 70618 81802 34054 92043 65966 82028 52536 70713 88150 24928 65870
 26400 85783 79698 25788 24486 40201 14287 57836 87674 77332 52973 18062

53535 84086 43042 95107 98341 36386 97718 93647 13220 03600 07564 60118
73487 53014 37516 36664 52150 36068 51761 54248 29201 53569 33624 00831
76398 98374 92668 25763 22229 98931 61896 58826 73312 12142 72850 39858
20873 90035 67079 98577 90148 61370 20656 39729 07135 23446 21732 23517
42632 06257 75218 51980 10119 68675 07841 58482 31906 53363 81348 80823
70676 81105 57840 83319 39121 81578 49277 46622 37310 16141 00000 00000
00000 00000 00000 00000 00000 59900 49282 65108 82107 47879 62776
03226 39106 30853 97140 20471 92214 29547 50019 50166 08514 56684 46623
01347 20871 22714 84886 28304 55195 09814 35411 74066 96019 50748 82136
17484 59620 89107 14666 78621 31871 76398 98374 92668 54475 20462 51963
43316 24311 50601 12204 26531 04269 38644 40470 30665 69309 37619 63337
83398 63035 07410 14375 14541 50879 08571 94346 21368 29267 86370 56757
88573 83068 63047 51366 14603 61584 88398 96569 57998 08205 98423 49973
82478 06226 93178 04713 49556 51382 82170 37487 11403 44905 43402 72569
35637 17091 00000

The group of eight all zero groups about two thirds through the message is interesting and I wonder if these form a divider and there are two messages being transmitted here.

However to find out any more about the method this mode uses to send messages we need more examples of traffic and to see that we need to find yet more schedules.

So if you are interested in data please get searching and remember to send your logs to the group.

Items of Interest in the Media:

Stand by for a good soaking:- one thing about the Brits, whatever the political class dish out to them they take with very little in the way of protest. The country is being asset stripped, the Bankers continue to receive their huge bonuses, the Members of Parliament continue to live the high life through their extremely generous system of expenses, the people's National Health Service is slowly being privatised - the part of the organisation which deals with blood plasma was sold off to an American investment company last summer - it went hardly noticed except by a few well informed individuals from the nation's volunteer blood donor community and no doubt this action has set a precedence for future privatisation. No demonstrations or rioting in the streets which might have been the case in many other countries. There was some unpleasantness in London and a few other cities a couple of years ago but, to be precise, most of the characters subsequently arrested and convicted following that episode were not, strictly speaking, British except in name. Let's just say that very few of them would have had ancestors present at any of the battles on either side when Oliver Cromwell and King Charles had their falling out. However, someone in the political establishment must think that things are about to become more unruly because The State is equipping itself with a weapon which until now has been missing from the UK mainland - namely the water cannon. The news that these vehicles are being acquired in readiness for future eventualities was widely reported in January, perhaps summed up neatly in a short piece in the *Metro* newspaper of 23-January. "More water cannons urged", and says, "Water cannons are likely to be needed to deal with potential protests against austerity measures, it has been revealed. A request for the machines, never used in mainland Britain, is to be sent to Theresa May, says a briefing paper for chief constables. Critics say the device can cause serious injury".

Tommy Atkins gets a new toy:- The *Daily Telegraph* of 24-February carried a photograph of the British Army's latest piece of kit. "Spy in the sky drone begins trials", says the caption to the photograph and continues, "The Army's newest unmanned aircraft, pictured over Aberporth, west Wales, will today begin trials, capturing countryside images. The Watchkeeper drone can reach 16,000 ft and fly for 16 hours. It will be deployed this summer."

The photograph of the Watchkeeper drone shows it to have long, slender wings, fixed tricycle undercarriage and a "pusher-prop" air-screw mounted at the back end. I wonder what they will be using that for?

Cold War drama:- the events of the Cold War are now far away enough from the present day to be regarded as history. The BBC's Radio 4 did an interesting one hour long programme on the 14th of December which was a dramatisation of a military exercise held at the height of the Cold War. Called "Winter Exercise", to quote the *Radio Times* listings magazine:- "1981; the Cold War is hotting up. War between the Soviet and Western blocs seems a real possibility. So for two weeks in March a group of top civil servants meets daily as part of Wintex - Cimex, an exercise to test the UK's readiness for nuclear conflict.

It was only in 2012 that a revealing Cabinet Office file was released, and in this drama documentary, Philip Palmer's partial dramatisation of its contents is presented by David Aaronovitch in conversation with professors Beatrice Heuser, Kristan Stoddart and Richard Vinen." Unfortunately I missed the first fifteen minutes or so of the hour long programme but the portrayal of a Soviet incursion into Europe with conventional air attacks on targets in the UK was very well done with the experts in the studio discussing the significance of each step in the drama as the pace of hostilities increased. Towards the end the scenario had the Government authorising several "limited" nuclear strikes on Soviet Bloc targets - I think there was mention of an airfield in East Germany and a communications centre in Poland, and I am sure there was mention of a target in Albania which didn't ring true as that country had long since broken with Moscow and was not part of the Soviet's Warsaw Pact.

Programmes on BBC Radio 4 are often repeated at a later date so it is worth paying attention to the *Radio Times* in case it is broadcast again.

Other news items

News Articles from Spectre3000:

News Article Russia Today 13th Jan 2014.

License to kill? British spies to be authorized to break speed limit

Pedestrian safety is set to take a back seat to national security as British intelligence officers will be provided a free pass to zoom through zebra crossings and ignore red lights, according to new motoring laws.

Hollywood car-chase scenes, James Bond-style, may become a regular occurrence on the streets of Britain thanks to an overhaul of the national motoring law, which Transport minister, Robert Goodwill, is scheduled to announce on Monday.

The new law will allow MI5 and MI6 agents to go through red lights and ignore road markings - much the same as police officers, fire fighters and emergency medical crews - in the name of "protecting national security".

Other agencies, including bomb disposal units, mountain rescue teams and vehicles used to transport organs for transplant are also set to be added to the list, AFP reported.

British spooks will have legal clearance to break the speed limit in the course of surveillance and clandestine operations, once they have completed a training course in high-speed driving. The priority of protecting national security now outweighs any potential risk to the public in the form of high-speed car chases through neighborhoods.

“This is a good commonsense move that will apply to people who perform vital services in difficult circumstances,” a government source told the Sunday Times. “It will help save lives and make Britain a more secure place.”

Presently, any intelligence officer pursuing a suspected criminal along the streets of Britain in excess of 30 miles (48 kilometers) per hour [inner city speed limit] may be cited for speeding or reckless endangerment.

Despite the revamped legislation, British intelligence officers will still be required to operate their vehicles in a “responsible manner”, and remain subject to the same rules under the revised Road Safety Act as police, ambulance and fire service drivers, according to The Independent, a British daily.

Britain’s new motoring law comes in the wake of a 2012 Department for Transport report that said 93 percent of respondents agreed that breaking the speed limit should be permissible for those driving for “the protection of life and limb or national security”.

Interview with Everett Stern on Russia Today 20th Jan 2014.

Terrorism funding just one thing big banks are getting away with - whistleblower Everett Stern

Banks say they are the pillar of the modern society – ruling the streams of money across the globe and keeping a tight grip on the world’s economy; What is going on in offices of top level management is kept in a most valuable secrets. Even governments are afraid to get in confrontation with the enormous financial giants. But today we talk to a man who single-handedly fought the corrupt banking system, with no one behind his back; Whistleblower Everett Stern is today’s guest on Sophie&Co.

Sophie Shevardnadze: Our guest today is whistleblower Everett Stern, former employee of one of the world’s banking giants HSBC.

You’ve been very vocal about your experience with HSBC. Can you tell our viewers in a nutshell, in simple words, what it’s all about?

Everett Stern: Sure. This is not a normal banking scandal, I mean this is about a bank sponsoring terrorism and killing people, that’s what it is about, and it is about defending the US and defending the world as a whole against terrorism, and saying that “too big to jail” is not an OK policy for any government to have.

SS: These are actually huge words – what did actually happen? Let’s start from the beginning. You were hired by HSBC after you went to business school, right? And then what happened?

ES: Correct. First I was a candidate for the clandestine service and then, while I was in the business school and then I joined HSBC in October 2010, right after this Cease Order came into effect, and I was hired as anti-money-laundering compliance officer and put in charge as a specialist on Middle Eastern transactions, also I was part of anti-terrorism financing team there, but really while I was there I saw the blatant criminal actions that were occurring and just how HSBC defrauded the US government.

SS: I just would like to get to the point when you started detecting suspicious activities. I gather from your earlier interviews, you said it was basically a team of former debt collectors re-hired to become an anti-money-laundering unit. None of them was experienced in that unit, including yourself. Then how were you able to detect all of these suspicious activities, if you weren’t really sure what you’re doing?

ES: Ah, that’s a good question. So what happened was that when I joined, there were maybe 15 compliance officers in the entire department in Newcastle, Delaware. I knew immediately that I really had no idea of what I was doing, so I went to University of Delaware library, I checked out a whole bunch of books and I would spend mornings and nights reading and teaching myself about money laundering and terrorist financing. And then what happened, it was maybe about three weeks in, that’s when I saw a first suspicious activity with the company called Crossbar FX and I that was my first email to the CIA. It was on November, 12 of 2010.

So three weeks after I started, I started passing information to the CIA, I felt there was a national security risk. First, of course, I went to management of HSBC, which of course was nowhere, but what ended up subsequently happening was that HSBC had a huge credit card division in the same building and they needed to show the government that they improved the program by hiring all these anti-money-laundering compliance officers. So they fired all of their debt-collectors, they sold off the credit card division to capital one and then re-hired debt collectors and anti-money-laundering compliance officers. They’re still there now, approving transactions, it’s absolutely disgusting, and they have no idea what they are doing.

SS: But, technically, how did you detect it technically? How does it happen? How did you detect suspicious transaction that could be linked to terrorism or drug cartels?

ES: It was so obvious. It’s because I have two brain cells in my brain and can do simple internet Google searches. This was not rocket science. For instance OFEC has a list of companies that the US cannot do business with, an OFEC sanction list, and so, for instance, Caribe Supermarkets, Tajco, the Tajideen Brothers, which were all linked to Hezbollah. Caribe Supermarkets is a supermarket chain based out in Gambia, and they are owned by Tajco, which is owned by Tajideen Brothers, which are based out in Beirut, and are financiers of Hezbollah. There were transactions going through HSBC and I saw it.

What’s interesting is that it’s not that it was hard to find the transactions, it was very easy. The real disturbing part is how they were doing it because these transactions, that were supposed to be stopped in the wire filter, were actually going through. They were going through because what HSBC employees were doing was adding dots and dashes and different numeric codings to the actual payments. The FBI later called it “stripping the payments”. So the computer system...there wasn’t a match with the transactions and they would go through. It was just blatantly obvious what they were doing, it just took me I guess just little extra effort to see how they were criminally allowing the terrorist funds to go through.

SS: You said that it was very simple to actually detect what was going on. Were you the only one who was suspicious, or the others were just pretending not to see this?

ES: Yeah, they were either pretending not to see them, or, to be frank, too stupid. The debt collectors they hired weren’t the brightest bulbs in the sky... So they were just clearing transactions all day long. That was the culture at HSBC, to clear as many alerts or investigations as possible. They gave us a minimum of 72 a week to clear. It was a culture that was extremely perverted, that was geared towards defrauding of American people.

Also, what they did was that they hired one of the former heads of the counter-intelligence of the FBI to run a department, so he knew exactly how to manipulate the system. But again, it wasn't rocket science for me to figure this out. I'm not a financial genius. I did teach myself, and I did teach myself to how analyze transactions and how to identify terrorist financing, but the stuff HSBC was doing was not very covert.

SS: But when you went to your seniors, when you went to your bosses, and said "Hey guys, I'm kind of clearing all these dubious transactions that could be linked to terrorist and drug cartels," what did they say? "No Everett, you're hallucinating, you're not doing any of that," or did they say, "We know but you have to kind of shut up about it?" What was their reaction?

ES: There's an internal email that the FBI has and CIA has, and so does the US Congress, when I went to them about a month ago, called 'Compliance error', and I'm more than happy to send this email to you, I still have it. This 'Compliance error' email is an email from me to management, explaining how these debt-collectors are approving funds that are going into Gaza and are going to Hamas. What I was told is that Hamas is not a terrorist organization. Now, there are some people out there who believe that Hamas is not a terrorist organization, but according to myself and also to the US government OFEC, and also most of the democratic countries in the world, they are a terrorist organization.

They knew exactly what was going on, and they did not want anything...for instance we could not put the word 'suspicious' in any alert or investigation that we did and any write up. The word 'suspicious' could not be put in because that could alert a regulator, and they did not want that.

SS: What are you talking about, with the transactions linked to Hamas, Hezbollah, Al-Qaeda, what kind of money are we talking about? What kind of transactions were they and where was the cash coming from?

ES: Overall, we're talking about billions of dollars. For instance a great example is the Caribe Supermarket example. You had these supermarkets operating out of Africa, they were selling regular groceries that people were going to buy and then Caribe Supermarkets would take that money and send it to Tajeco in Beirut, which was owned by Tajideen Brothers, and then they would send it off to Iran. And this still is going on. Caribe Supermarkets was named in the Reuters article that I did. They were named to the FBI and Caribe Supermarkets is literally still operating and sending money to Hezbollah at this exact time.

SS: If we abstract from the HSBC case, who is ultimately in charge of preventing money laundering in the US? Are they doing their job or does it have to be individuals like you who would actually step up?

ES: The Department of Justice is not doing their job. Eric Holder specifically said during Senate hearings that prosecuting these banks criminally could cause a financial crisis. My argument to Eric Holder is that if we allow this terrorist financing to continue, and then the next 9/11 gets financed, I guarantee the next 9/11 will cause a financial crisis.

What's happening now is that these bankers and management of large banks such as JP Morgan, HSBC – they're not being criminally accountable, so they can do whatever they want and they'll just be fined. HSBC was fined \$1.9 billion, which seems like a lot of money, but that's actually only five weeks' profit for them and their stock actually went up when the announcement came out. It's really disgusting that the Department of Justice is not doing their job. If I were to donate \$1 to Hamas or Hezbollah I would go to jail for life, and yet they're donating billions and that's okay. It doesn't make any sense...

SS: It does sound like a lot of money, but is it really a lot of money for HSBC? It seems like they'll be making that sum in couple of weeks...

ES: Yeah, I know. Its five weeks of profit, and again, their stock went up – they actually made that money back with their stock price increasing. There's zero consequence for them doing what they did and that's a problem. The whole point of the American justice system is equality under the law. What the Department of Justice has made very clear is that bankers are held to a different standard than the public, which doesn't make any sense and I think that the government needs to stop being afraid of a financial crisis happening from criminal prosecutions.

I think the real threat is terrorists being financed and drug cartels too. We have 500,000 Americans dying a year from drugs and our banks are financing drug cartels and yet the US government is launching a drug war, with DEA agents getting killed left and right, and...it doesn't make any sense! The whole system just doesn't make sense.

SS: So you're saying nothing really has changed in HSBC even after it was fined \$19.9 billion, right?

ES: No, nothing and that's why my attorneys – I'm not suing HSBC, there's no litigation – what I have done is that I am asking for a new money-laundering probe to be issued and people to go jail. The thing is that the 1.9 billion covered transactions up until 2010. I started passing information to CIA and then I went to the FBI post-2010. So HSBC was never held accountable for those transactions of the Caribe Supermarkets to Hezbollah that I just talked to you about – they even were not held responsible for that, and so they need to prosecute them. If you murder somebody and you get caught five years later, you're going to go to jail for that. The bank should be held responsible.

SS: You're saying that no one was held responsible or criminally charged, the FBI and the CIA didn't really follow up this case that you presented to them, governments are afraid to criminally prosecute banks like HSBC because of reasons linked to economic crisis – so could it be that they are complicit?

ES: Yeah...Believe me, I'm banging my head against the wall with this one. I have risked everything and tried my hardest to get these people in jail. Right now the former managers that were my bosses who were subsequently fired from HSBC are now the heads. One of them is the head of compliance for TD bank, the other one is the head for the Chinese bank. There's no consequence there, these people are still doing the same thing in multiple organizations and that's not what America is about and that's not what justice is about.

I think what's important here is that what American public hasn't really understood is that this not a normal banking scandal and that these banks like HSBC have the blood of American soldiers on their hands. An IED going off in Afghanistan, killing an American or allied soldier – that is being financed through our banks. That's a problem, that's a huge problem.

SS: I want to talk a little bit globally about what is going on. If we look at the banks that are actually getting away with criminal activities likethese because governments are afraid that the economy could worsen if the banks are charged – does this mean that the banks could actually do whatever they want?

ES: Yeah, and they are doing whatever they want. That's a problem right now, they are doing whatever they want to do, because they now the walk and that has to be stopped. I'll tell you something: I don't believe it's going to cause a financial crisis if the bank is prosecuted. I believe that it will create more trust in the financial markets, because this way the justice will prevail.

Right now, letting there just be a free-for-all is not the way to go about it. Again, financial crises are also caused by terrorist attacks, political instability, money going into governments that shouldn't be going to, and these banks are financing that. I'll give you another example. There was millions of dollars moving from a company in Saudi Arabia, called Sharbatly Fruit. It's a fruit company, and they were sending money to one of the leading members of Muslim Brotherhood in Yemen. So this is what HSBC is allowing, facilitating to happen here. That causes political instability in the region, and it's treason and it's financing our enemies.

What's crazy about it is that HSBC admitted to the Department of Justice and to the world, they admitted the treason, financing the enemy. If you plead guilty to financing the enemy, I don't think you should just walk with a fine. That's not finable, that's jail time.

SS: But Everett, can I play devil's advocate for a second here – you don't really know that if banks are charged, that wouldn't cause the economic crisis. No one knows that. If there is this obvious connection link between major banks and economic prosperity - you personally, would you risk the global economy for the sake of bringing banks to justice?

ES: Yes, without hesitation, and I say that because yes, I don't know for sure that prosecuting a bank would not cause a financial crisis, because it's never happened before - I'm sorry, they have been prosecuted before [but] there was no one going to jail for it, they've just been fined - but if bank management actually went to jail and a financial crisis was caused...

I think you have to look at this from mitigating risk standpoint, and that is if we allow this to continue, there's going to be another terrorist attack, either in the US, or overseas, innocent people are going to die. The way I look at it is, yeah, I'm willing to risk another financial crisis - bring it on. I'm more than happy to, because the way we're going right now – if criminals, Russian mobsters, Hamas, Hezbollah – if they keep getting financed, the good guys are finished. If we allow this to continue there's not going to be a financial economy to worry about, that's what I'm saying. We have to do something.

SS: So it seems like a country that's fighting a War on Terror is also financing it at the same time...

ES: Yes.

SS: Even though HSBC isn't really an American bank, it is one of the largest banks that is operating on American soil. But HSBC is just one big bank that you specifically caught red-handed. Now the problem of money laundering is much wider. I know that you made a list of banks you believe are harming America. Tell our viewers which banks are these and what did they do to make the list?

ES: Sure. JP Morgan, they've been fined like crazy through even last couple of weeks; Standard Chartered Bank that's been operating here, Bank of America – they've had numerous accounts with drug cartels. All of the big banks are involved with this in some way. Now, the argument can be raised – I'm playing now my own devil's advocate – the argument can be raised that how can these banks always prevent terrorist financing? The thing is that there's no 110 percent system that can always prevent it, but what's happening now is a culture that's being cultivated and facilitated to gear, lean towards, profiting off financing terrorism and drug cartels, so that they can make more money and their stock would go up. That's the problem, it's not a few isolated incidents, and it's a whole culture of this.

SS: I've read that this whole case with HSBC left you emotionally drained, financially devastated. How are you now? How are you doing?

ES: I'm doing great; I've started my own company, Tactical Rabbit, which is an intelligence company. We became profitable five months ago, but it was extremely hard. I was working at PF Chang's restaurant as a waiter after I left HSBC, because I had no money, I had nothing left, and I literally walked into PF Chang's with the Rolling Stone article when I was featured in Rolling Stone, and I said to them "Look, I'm a whistleblower and I can't get work. I need a job, I never waited tables before. I'll do a good job for you guys," and they hired me. They said "Look, we'll give you a chance," and I took all of that PF Chang's money and I put it into Tactical Rabbit and that's how I launched this very, very successful company now. We're going to be a multimillion dollar company.

SS: Wow. So you're a great example of someone who can actually stand up, whistleblow and still be very successful. There are a lot of people who are actually weighting pros and cons and saying "No, I'm not doing this because then my life is over." But you are a great example of how you can whistleblow on dubious activities and still make it in life. Can I ask you something – except for that Rolling Stone piece that I've read, has other media showed any interest in you or in your story?

ES: It's amazing – the answer is "No". Yes and no. I did a 45-minute interview with Brian Ross at ABC studios, and I think you used to work for ABC. Brian had a 45-minute interview with me and he said he was going to air it in two weeks, and he never aired it. Other networks wouldn't tape me because they were nervous because Brian Ross had it in. And Brian Ross said that his hands were tied, and I made it very clear to Mr. Ross that this was a national security issue and that the story has to get out. He just said it was "not news." I have a problem with that, and I think that American people have problem with that, and I still think that Brian Ross should air that tape.

SS: Fighting big banks at frauds is like your life call right now, but would you say you have strong team of supporters around you and do you see any change coming as a result of your work and efforts, more importantly.

ES: Not from the media, and from the public I'm not getting it either, to be honest with you. And the reason is because I need the media – that's why I'm so happy you've invited me to this show. I need the media to able to carry the message and let the public know what's going on.

It appears to me that the American mainstream media for some reason here does not want to tell this story and to really show to American people what is going on. CNN, MSNBC – why they are not showing that you have the bank, HSBC, that has an anti-money-laundering facility in Newcastle, Delaware, that's hiring and firing debt collectors to work. That's a huge story, why it is not on the front pages of New York Times, that's the problem.

SS: Within your community, within your friends and family, just people who know what you did, and people who read the Rolling Stone piece – do you feel like a hero? Does it feel like a hero? Or you are more of a loose cannon?

ES: I think, I'm more of a loose cannon. I don't think I'm a hero. I think right now I'm a loose cannon turning into a guy on a corner, yelling crazy stuff about "Hey, here's what's going on with the banks!" It's a problem that I'm analyzing right now, because I don't know what else to do. I'm trying to strategize, because I don't want to come off as loose cannon, but at the same time I keep knocking on doors to get people to pay attention to an issue, but the media won't help me. It's a very frustrating experience and, yeah, I hope I won't come off as a nut, but unfortunately sometimes in order to get things done you can't make an omelet without breaking some eggs.

News Article The Guardian 24th Jan 2014.

Justify GCHQ mass surveillance, European court tells ministers.

Judges order government to provide submission about whether spying activities violated European convention on human rights.

Ministers have been ordered to justify GCHQ's mass surveillance programmes by judges at the European court of human rights who have fast-tracked a case brought by privacy and human rights campaigners.

The court in Strasbourg has told the government to provide submissions by the beginning of May about whether GCHQ's spying activities could be a violation of the right to privacy under article 8 of the European convention.

Marking the case a priority, campaigners are hopeful the court will bring a ruling before the end of the year.

The case was brought last September by Big Brother Watch, the Open Rights Group and English PEN, along with the German internet activist Constanze Kurz.

It followed the Guardian's revelations about GCHQ's data-trawling techniques which were detailed in papers leaked by the whistleblower Edward Snowden. The groups claim that by collecting data on millions of people not under any suspicion GCHQ has infringed the privacy of British and European citizens.

In a series of questions, the court has asked British ministers to explain why they think Britain's intelligence services have the right to solicit, receive, search, analyse, disseminate and store data intercepted by themselves, or by foreign spy agencies. The court says the UK needs to show this activity is "within the law" and "necessary in a democratic society".

The case refers specifically to two surveillance programmes, Prism and Tempora. Between them, they allow GCHQ and its US counterpart, the National Security Agency to harvest, store and analyse data from millions of phone calls, emails and search engine queries.

In the complaint to the court, the groups argued much of this activity is not underpinned by British law. They said there was no "effective, independent authorisation and oversight" of the programmes. The claim states: "The interception of external communications by GCHQ is an inherently disproportionate interference with the private lives of thousands, perhaps millions of people."

"The European court of human rights has acted remarkably quickly in communicating the case to the government and designating it as a priority," said Daniel Carey, the lawyer acting for the groups.

"It has also acted decisively by requiring the government to explain how the UK's surveillance practices and oversight mechanisms comply with the right to privacy. This gives hope the ECHR will require reform if the government continues to insist that nothing is wrong."

Nick Pickles of Big Brother Watch said: "This legal challenge is an essential part of getting to the bottom of why the public and parliament have not been properly informed about the scale of surveillance and why our privacy has been subverted on an industrial scale."

GCHQ and ministers have consistently denied that any of the programmes revealed by Snowden breach the law.

GCHQ maintains its work "is carried out in accordance with a strict legal and policy framework which ensures that our activities are authorised, necessary and proportionate, and that there is rigorous oversight, including from the secretary of state, the Interception and Intelligence Services commissioners and the parliamentary intelligence and security committee".

William Hague, the foreign secretary, has also defended Britain's intelligence agencies, saying law-biding members of the public have "nothing to fear".

"If we could tell the whole world and the whole country how we do this business, I think people would be enormously reassured by it and they would see that the law-abiding citizen has nothing to worry about.

"This is secret work, it is secret intelligence, it is secret for a reason, and a reason that is to do with protecting all the people of this country."

However, Jim Killock, executive director of the Open Rights Group, said it was now clear that British laws had been abused to give the agencies a chance "to monitor everything and everyone almost constantly".

News Article Russia Today 27th Jan 2014.

GCHQ taught NSA how to monitor Facebook, Twitter in real time – Snowden leak

British intelligence officials can infiltrate the very cables that transfer information across the internet, as well as monitor users in real time on sites like Facebook without the company's consent, according to documents leaked by Edward Snowden.

The internal documents reveal that British analysts gave instruction to members of the National Security Agency in 2012, showing them how to spy on Facebook, Twitter, and YouTube in real time and collect the computer addresses of billions of the sites' uploaders.

The leaked documents are from a GCHQ publication titled 'Psychology: A New Kind of SIGDEV' (Signals Development). Published by NBC News on Monday, the papers detail a program dubbed 'Squeaky Dolphin,' which was developed for analysts working in "broad real-time monitoring of online activity."

Sources told NBC that the British have proven their ability to both directly monitor the world's web traffic cable and use a third party to view the data stream and extract information from it.

Representatives from the companies in question said they have not provided any data to the government of the United Kingdom under this program, either voluntarily or involuntarily. One person who wished to remain anonymous said that Google, the company that owns YouTube, was "shocked" to discover the UK may have been "grabbing" data for years.

Previously published disclosures have made it clear that the US and UK are sharing intelligence tactics. The Washington Post reported in October 2013 that the NSA and GCHQ collaborated on a program known as MUSCULAR, which the agencies used to record "entire data flows" from Yahoo and Google.

Security officials have consistently maintained that the programs are authorized under the laws of their respective nation and that the surveillance is designed only as a tool for preventing terrorism. Still, the lack of transparency has left civil liberties advocates searching for more answers.

"Governments have no business knowing which YouTube videos everyone in the world is watching," Chris Soghoian, chief technologist for the American Civil Liberties Union, told NBC. "It's one thing to spy on a particular person who has done something to warrant a government investigation but governments have no business monitoring the Facebook likes or YouTube views of hundreds of millions of people."

When members of GCHQ delivered the presentation to NSA officials, they showed the Americans how to carry out the surveillance by extracting information from YouTube, Facebook, and Google's Blogger service on February 13, 2012 - one day before anti-government protests were to begin in Bahrain.

According to the documents leaked by whistleblower Edward Snowden, the presenters were careful to mention that the intelligence gathering was not designed to monitor specific targets. "Not interested in individuals just broad trends!" one note reads.

Jason Healey, a former White House official under President George W. Bush, told NBC such activity not only sends a shiver through the public but has also become an impediment for Silicon Valley executives and the thriving social media industry.

"We want our security services to be out there and keeping us safe," he said, "but we can also look for balance, we can look for limits, especially if we're putting at risk this most transformative technology since Gutenberg."

Angry Birds and 'leaky' phone apps targeted by NSA and GCHQ for user data.

- US and UK spy agencies piggyback on commercial data
- Details can include age, location and sexual orientation
- Documents also reveal targeted tools against individual phones

The National Security Agency and its UK counterpart GCHQ have been developing capabilities to take advantage of "leaky" smartphone apps, such as the wildly popular Angry Birds game, that transmit users' private information across the internet, according to top secret documents.

The data pouring onto communication networks from the new generation of iPhone and Android apps ranges from phone model and screen size to personal details such as age, gender and location. Some apps, the documents state, can share users' most sensitive information such as sexual orientation – and one app recorded in the material even sends specific sexual preferences such as whether or not the user may be a swinger.

Many smartphone owners will be unaware of the full extent this information is being shared across the internet, and even the most sophisticated would be unlikely to realise that all of it is available for the spy agencies to collect.

Dozens of classified documents, provided to the Guardian by whistleblower Edward Snowden and reported in partnership with the New York Times and ProPublica, detail the NSA and GCHQ efforts to piggyback on this commercial data collection for their own purposes.

Scooping up information the apps are sending about their users allows the agencies to collect large quantities of mobile phone data from their existing mass surveillance tools – such as cable taps, or from international mobile networks – rather than solely from hacking into individual mobile handsets.

Exploiting phone information and location is a high-priority effort for the intelligence agencies, as terrorists and other intelligence targets make substantial use of phones in planning and carrying out their activities, for example by using phones as triggering devices in conflict zones. The NSA has cumulatively spent more than \$1bn in its phone targeting efforts.

The disclosures also reveal how much the shift towards smartphone browsing could benefit spy agencies' collection efforts.

One slide from a May 2010 NSA presentation on getting data from smartphones – breathlessly titled "Golden Nugget!" – sets out the agency's "perfect scenario": "Target uploading photo to a social media site taken with a mobile device. What can we get?"

The question is answered in the notes to the slide: from that event alone, the agency said it could obtain a "possible image", email selector, phone, buddy lists, and "a host of other social working data as well as location".

In practice, most major social media sites, such as Facebook and Twitter, strip photos of identifying location metadata (known as EXIF data) before publication. However, depending on when this is done during upload, such data may still, briefly, be available for collection by the agencies as it travels across the networks.

Depending on what profile information a user had supplied, the documents suggested, the agency would be able to collect almost every key detail of a user's life: including home country, current location (through geolocation), age, gender, zip code, marital status – options included "single", "married", "divorced", "swinger" and more – income, ethnicity, sexual orientation, education level, and number of children.

The agencies also made use of their mobile interception capabilities to collect location information in bulk, from Google and other mapping apps. One basic effort by GCHQ and the NSA was to build a database geolocating every mobile phone mast in the world – meaning that just by taking tower ID from a handset, location information could be gleaned.

A more sophisticated effort, though, relied on intercepting Google Maps queries made on smartphones, and using them to collect large volumes of location information.

So successful was this effort that one 2008 document noted that "[i]t effectively means that anyone using Google Maps on a smartphone is working in support of a GCHQ system."

The information generated by each app is chosen by its developers, or by the company that delivers an app's adverts. The documents do not detail whether the agencies actually collect the potentially sensitive details some apps are capable of storing or transmitting, but any such information would likely qualify as content, rather than metadata.

Data collected from smartphone apps is subject to the same laws and minimisation procedures as all other NSA activity – procedures that the US president, Barack Obama, suggested may be subject to reform in a speech 10 days ago. But the president focused largely on the NSA's collection of the metadata from US phone calls and made no mention in his address of the large amounts of data the agency collects from smartphone apps.

The latest disclosures could also add to mounting public concern about how the technology sector collects and uses information, especially for those outside the US, who enjoy fewer privacy protections than Americans. A January poll for the Washington Post showed 69% of US adults were already concerned about how tech companies such as Google used and stored their information.

The documents do not make it clear how much of the information that can be taken from apps is routinely collected, stored or searched, nor how many users may be affected. The NSA says it does not target Americans and its capabilities are deployed only against "valid foreign intelligence targets".

The documents do set out in great detail exactly how much information can be collected from widely popular apps. One document held on GCHQ's internal Wikipedia-style guide for staff details what can be collected from different apps. Though it uses Android apps for most of its examples, it suggests much of the same data could be taken from equivalent apps on iPhone or other platforms.

The GCHQ documents set out examples of what information can be extracted from different ad platforms, using perhaps the most popular mobile phone game of all time, Angry Birds – which has reportedly been downloaded more than 1.7bn times – as a case study.

From some app platforms, relatively limited, but identifying, information such as exact handset model, the unique ID of the handset, software version, and similar details are all that are transmitted.

Other apps choose to transmit much more data, meaning the agency could potentially net far more. One mobile ad platform, Millennial Media, appeared to offer particularly rich information. Millennial Media's website states it has partnered with Rovio on a special edition of Angry Birds; with Farmville maker Zynga; with Call of Duty developer Activision, and many other major franchises.

Rovio, the maker of Angry Birds, said it had no knowledge of any NSA or GCHQ programs looking to extract data from its apps users.

"Rovio doesn't have any previous knowledge of this matter, and have not been aware of such activity in 3rd party advertising networks," said Saara Bergström, Rovio's VP of marketing and communications. "Nor do we have any involvement with the organizations you mentioned [NSA and GCHQ]."

Millennial Media did not respond to a request for comment.

In December, the Washington Post reported on how the NSA could make use of advertising tracking files generated through normal internet browsing – known as cookies – from Google and others to get information on potential targets.

However, the richer personal data available to many apps, coupled with real-time geolocation, and the uniquely identifying handset information many apps transmit give the agencies a far richer data source than conventional web-tracking cookies.

Almost every major website uses cookies to serve targeted advertising and content, as well as streamline the experience for the user, for example by managing logins. One GCHQ document from 2010 notes that cookie data – which generally qualifies as metadata – has become just as important to the spies. In fact, the agencies were sweeping it up in such high volumes that they were struggling to store it.

"They are gathered in bulk, and are currently our single largest type of events," the document stated.

The ability to obtain targeted intelligence by hacking individual handsets has been well documented, both through several years of hacker conferences and previous NSA disclosures in Der Spiegel, and both the NSA and GCHQ have extensive tools ready to deploy against iPhone, Android and other phone platforms.

GCHQ's targeted tools against individual smartphones are named after characters in the TV series The Smurfs. An ability to make the phone's microphone 'hot', to listen in to conversations, is named "Nosey Smurf". High-precision geolocation is called "Tracker Smurf", power management – an ability to stealthily activate a phone that is apparently turned off – is "Dreamy Smurf", while the spyware's self-hiding capabilities are codenamed "Paranoid Smurf".

Those capability names are set out in a much broader 2010 presentation that sheds light on spy agencies' aspirations for mobile phone interception, and that less-documented mass-collection abilities.

These are particularly useful to the agency as data is often only weakly encrypted on such networks, and includes extra information such as handset ID or mobile number – much stronger target identifiers than usual IP addresses or similar information left behind when PCs and laptops browse the internet.

The NSA said its phone interception techniques are only used against valid targets, and are subject to stringent legal safeguards.

"The communications of people who are not valid foreign intelligence targets are not of interest to the National Security Agency," said a spokeswoman in a statement.

"Any implication that NSA's foreign intelligence collection is focused on the smartphone or social media communications of everyday Americans is not true. Moreover, NSA does not profile everyday Americans as it carries out its foreign intelligence mission. We collect only those communications that we are authorized by law to collect for valid foreign intelligence and counterintelligence purposes – regardless of the technical means used by the targets.

"Because some data of US persons may at times be incidentally collected in NSA's lawful foreign intelligence mission, privacy protections for US persons exist across the entire process concerning the use, handling, retention, and dissemination of data. In addition, NSA actively works to remove extraneous data, to include that of innocent foreign citizens, as early as possible in the process.

"Continuous and selective publication of specific techniques and tools lawfully used by NSA to pursue legitimate foreign intelligence targets is detrimental to the security of the United States and our allies – and places at risk those we are sworn to protect."

The NSA declined to respond to a series of queries on how routinely capabilities against apps were deployed, or on the specific minimisation procedures used to prevent US citizens' information being stored through such measures.

GCHQ declined to comment on any of its specific programs, but stressed all of its activities were proportional and complied with UK law.

"It is a longstanding policy that we do not comment on intelligence matters," said a spokesman.

"Furthermore, all of GCHQ's work is carried out in accordance with a strict legal and policy framework that ensures that our activities are authorised, necessary and proportionate, and that there is rigorous oversight, including from the Secretary of State, the Interception and Intelligence Services Commissioners and the Parliamentary Intelligence and Security Committee. All our operational processes rigorously support this position."

- A separate disclosure on Wednesday, published by Glenn Greenwald and NBC News, gave examples of how GCHQ was making use of its cable-tapping capabilities to monitor YouTube and social media traffic in real-time.

GCHQ's cable-tapping and internet buffering capabilities, codenamed Tempora, were disclosed by the Guardian in June, but the new documents published by NBC from a GCHQ presentation titled "Psychology: A New Kind of SIGDEV" set out a program codenamed Squeaky Dolphin which gave the British spies "broad real-time monitoring" of "YouTube Video Views", "URLs 'Liked' on Facebook" and "Blogspot/Blogger Visits".

A further slide noted that "passive" – a term for large-scale surveillance through cable intercepts – give the agency "scalability".

The means of interception mean GCHQ and NSA could obtain data without any knowledge or co-operation from the technology companies. Spokespeople for the NSA and GCHQ told NBC all programs were carried out in accordance with US and UK law.

Thanks Spectre3000

Gizza a job

Here we go – first advert of 2014. All the administrators I know have been awarded the OBE but are not with MI6 More like local government, that sort of thing.



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Unexpected and excellent advertisement from GCHQ inviting the reader to explore another world.

We're all familiar with the three symbols in the virtual world of the PC and their meanings or do we? This advert is obviously looking for the younger person with a flair for communications technologies and the educational requirements don't seem to limiting either.

The advert was unexpected because yours truly saw it in only two places; one being inside the organ of the RSGB, The Bulletin, or as its known amongst our younger members, RadCom, as well as PWPublishing's 'RadioUser.' If it appears in any other publications that are computer oriented I have no idea, because I haveno information.

A quick thanks to AnonNI who also brought my attention to this ad.

[This ad is shewn in the negative]



GCHQ
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Technical, Communications & IT Analysts | £19,543 - £25,446 | Bude

As one of the UK's intelligence agencies, we gather information to help combat cyber criminals and terrorists threatening our nation's security. We want people who are interested in how a signal gets to and from a mobile phone and are excited by new communications technologies. If you have five GCSEs or more (including Maths, English and either Science or IT at grade C or above) and a passion for the internet and the technology behind it, join us and help make cyberspace safer.

See what else it could mean for you at www.gchq-careers.co.uk

Applicants must be British citizens. GCHQ values diversity and welcomes applicants from all sections of the community. We want our workforce to reflect the diversity of our work.



SPECIAL MATTERS:

Operation Jallaa: 0

MESSAGES:

‘E’ Many thanks for you input – ad held over for next issue.

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.eyespyimag.com>



2014

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