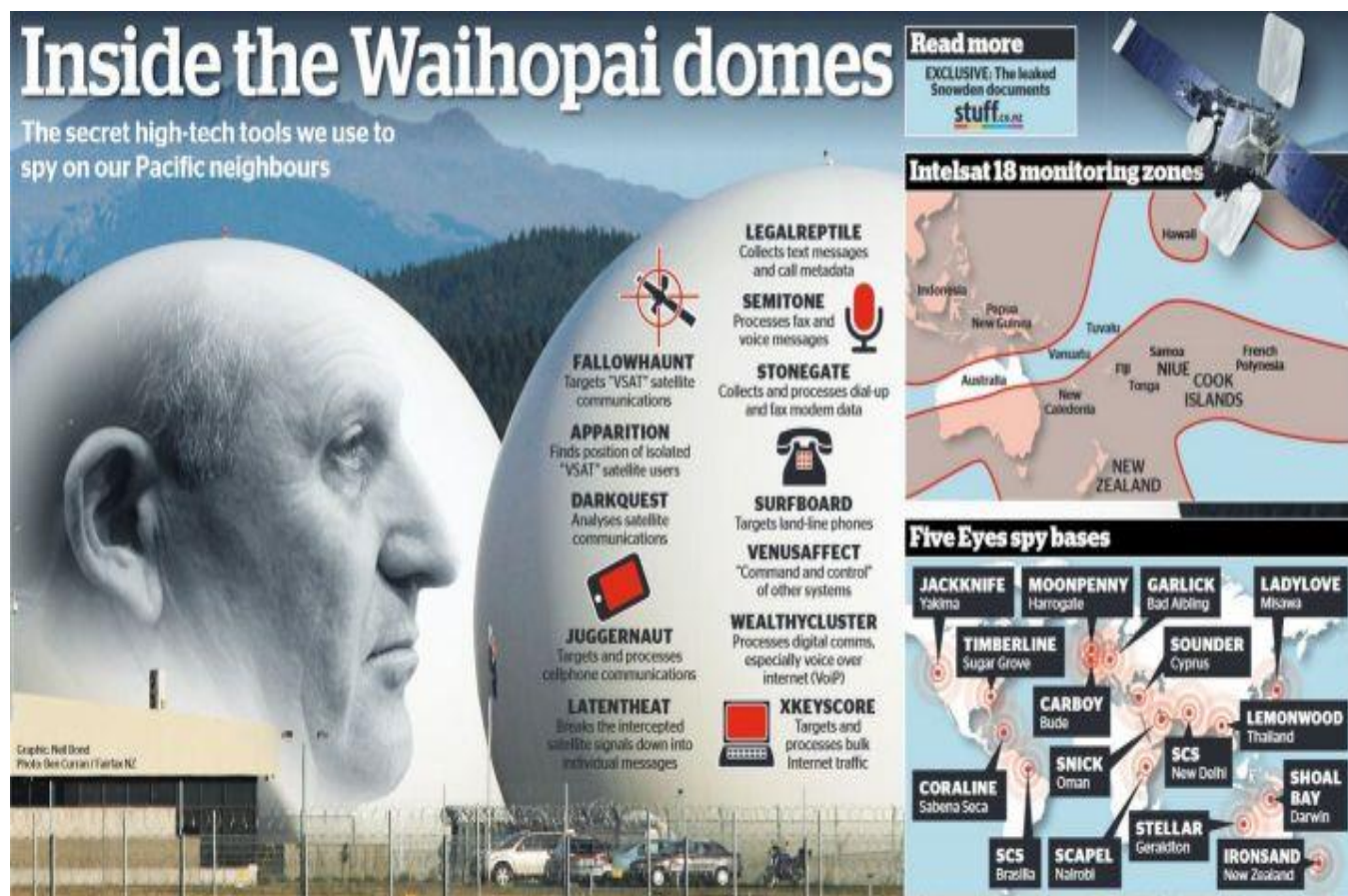


# ENIGMA 2000 NEWSLETTER



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



**Sent by NZ member CS this gives a modern day clue as to what goes on at the New Zealand intercept facility at Waihopai and featured in Nicky Hager's book 'Secret Power.'**

<http://www.stuff.co.nz/national/67082905/snowden-files-inside-waihopais-domes> refers

ISSUE 88  
May 2015

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

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See last page also.

## An interesting round up on the Number Station scene

### PoSW

Several interesting developments on the number station scene over the last couple of months, most notably :-

A daily E06 schedule at 1730 UTC, repeated at 1830 UTC, noted in the last few days of February, carried over into March but only for a couple of days, last heard on the 2<sup>nd</sup> of that month.

An S06 schedule with call "480" noted at 1700 UTC with a repeat at 1730 UTC, settled down to appearing on Sundays and Tuesdays although when first discovered in the second week in March was logged on a Monday and Wednesday. Still on in April but moved to higher frequencies. S06 with call "480" was also noted in March and April last year, also on Sundays and Tuesdays.

An E06 with call "534" noted on 11-March at 1700 UTC - was actually heard in the background of the S06 "480" 1700 UTC due to some cross-feed effect presumably. This showed up again on Wednesday the 25<sup>th</sup> and there was a repeat at 1730 UTC on a lower frequency which I was unaware of on the 11<sup>th</sup>. I have not been able to find it in April.

All of the E07 transmission schedules which I follow have remained much as expected, using the same frequencies as in the same months in the past but the Wednesday E07a SSB schedule did not show up on the expected frequencies in the month of April at 2000 UTC on the spring / summer frequency trio of 8,173 + 7,473 + 5773 kHz which had been used for several years, as far as I am aware ever since this schedule came into being. Now uses 8,144 + 6,944 + 5,744 kHz.

Something a bit different, not really "number station" territory but perhaps worthy of a mention; you may recall that in July of last year I reported a strange transmission on 15,020 kHz consisting of a male voice repeating "Alpha Juliet Eight" several times and nothing else. This was on the 17<sup>th</sup> of that month, and I think you wrote that it was something to do with a government department in India. I had not heard anything like this again until a few days ago when a similar kind of transmission was noted:-

17 - April - 15, Friday:- 1905 UTC, 9,910 kHz, tone followed by an OM voice with "This is Zero Delta Three", then "Zero Delta Three" repeated four times, slow speed of delivery. Plain carrier followed which went off just before 1909 UTC. I had been monitoring an S06 "392" on 9,906 kHz at 1900 UTC and this could be heard off to the HF side while in progress. This wasn't the end of it, showed up every hour on the hour throughout the evening:-  
2000 UTC, I had left a receiver on 9,910 from earlier, surprised to hear a tone coming from the speaker just before the hour, voice started up with "This is Victor Tango Five", then "Victor Tango Five" repeated four times, carrier until 2005 UTC then tone for about one minute and the "VT5" voice routine repeated again, then carrier which went off just after 2010 UTC.  
2100 UTC, same format as earlier but this time "Golf Charlie Four".  
2200 UTC, and again, "Alpha Victor Three". Much rolling of the tongue on the word "three". Perhaps it was on through the night on the hour, but this was 11 PM BST, late enough for me! 9,910 is inside the 31 metre broadcast band, all transmissions were very strong S9+.

### HM02 - A new designation

Following Jim's (JkC) discovery of a daily sched on 7351kHz using both data & CW, we have looked at the few logs we have so far & have decided to allocate a new designation to this station.

This has been reported before, but is irregular, consisting of short -term scheds using different frequencies & times.

Currently the station is appearing daily on 7351kHz, with a mixture of Morse, & FSK data mode all sent in one transmission. We have not had a chance to examine the output of the station in any depth at the moment, so the limited information we have will be updated within the station profile at a later date.

#### **HM02**     **Assigned 01 May 2015**

Hybrid mixed-mode station - possibly variant of Russian Family 1

Consists of FSK transmission followed by a Morse message

A carrier is present on frequency for some time prior to the FSK transmission & has also been reported after the Morse.

Uses a single = as separator throughout the message (An unusual feature).

Station is currently under investigation - Definition may change.

**Current Sched:** At time of writing April / Early May 2015    7351kHz        0500 - 0530z    Daily

Carrier up around 0500z (variable)    FSK data transmission 0510 - 0515z    Morse msg follows at 0515z

**Morse Format**            Auto-sent            5 fig Single Grps  
                                 Using short zero        Ends with **three long dashes**

3fig call (x1) DK GC (x1) =  
(5fig single grp msg) =  
= DK GC  
(Pause 10 --30 secs)  
DK GC =  
(Repeat of msg)  
DK GC 0 0 0

## HM02 Logs

Jim (JkC) found this one in progress on 7351kHz. Looks to be Russian by the format & use of the short zero. Ends with three long dashes.

7351 0516z-0521z 20 Apr15 958 30 = [5 fig single grps] Ends 958 30 0 0 0 JkC MON

Approximately 19 wpm, short zero, auto-sent using single groups.

(In progress) ... 96345 23964 89920 34689 57914  
= 958 30 958 30 =

32813 77566 10880 13726 06216 98058 22862 30260 39080 63817  
53593 75565 34848 75735 03752 66392 39784 22700 71178 04057  
69723 09134 70155 93628 02879 96344 23964 89920 34689 57914  
= 958 30 0 0 0

Jim listened for a repeat of the station the following day & was rewarded with a full message from 0515z followed by a repeat, using a call of 999. Jim reports RTTY on the frequency just prior to the CW transmission.

7351 0515 - 0520z 21 Apr 999 872 27 = 26788 ... 80081 = 872 27 0 0 0 Strong JkC TUE

999 872 27 =  
26788 80077 32732 02907 46071 47010 15229 74905 20538 92870  
55573 44819 33502 36724 42949 48657 53872 60868 22100 97571  
06047 82326 85858 40620 99248 74322 80081  
= 872 27 (pause of 3-4 seconds)

872 27 =  
26788 80077 32732 02907 46071 47010 15229 74905 20538 92870  
55573 44819 33502 36724 42949 48657 53872 60868 22100 97571  
06047 82326 85858 40620 99248 74322 80081  
= 872 27 0 0 0

The following day, Wed 22 April, the station was heard again. Jim reports;

'The UNID CW returned this morning. It is beginning to look like a daily sked. I managed to record the whole sked from 0500z, both RTTY and Morse. I tuned up at just before 0500z and there was a 805Hz tone on the freq. This continued until 05:10:10z, when the RTTY started. RTTY ended at 05:15:10z, then a 25 second gap and the Morse began (05:15:35z), with a new 28 group (999 635 28 = ...) message. Transmission was complete at 0521z.'

00m00s-05m10s is RTTY (Appears to be 125Hz shift)  
05m11s-05m35s is dead air gap between the modes  
05m36s-end is Morse.

7351 0515 - 0521z 22 Apr 999 635 28 = 79482 ... 40929 = 635 28 000 Strong JkC WED

999 635 28 =  
79482 76231 95197 80740 33395 41005 57714 32887 00910 97161  
71477 95513 34222 89455 58780 56537 97524 25020 50614 46679  
09019 01615 10366 28360 21124 25160 52645 40929  
= 635 28

635 28 =  
(Repeat msg as above)  
= 635 28 0 0 0

Brian (BR) heard the station again on 30 April, in progress with slow FSK at 0514z. The Morse msg was sent from 0515 - 0521z.

7351 0515 - 0521z 30 Apr 999 689 28 = 17628.... 41649 = 689 28 0 0 0 Strong Ends 3 long dashes BR THU

999 689 28 =  
17628 22143 30149 79272 71986  
54120 34439 41843 32864 27648  
10312 39110 90692 90532 93013  
44012 24278 24029 34701 14576  
75463 44374 46285 40795 36284  
86614 88619 41649 =  
= 689 28 =  
(Repeat msg as above)  
= 689 28 0 0 0

A carrier started shortly after the Morse ended which ceased at 0530z

## **Morse Station Roundup**

### **Morse - Number Stations**

- UNID A couple of annoyingly short, but intriguing snippets caught over the last two months.
- M01 In addition to the usual difficulties with trying to transcribe the regular M01 messages, a number of intermittent transmissions were heard over March & April. A full report is included in the logs section.
- Jim (JkC) reports that M01 seems to be reusing more & more messages. We have reports of four repeated messages over March & April, with one repeat having been from December 2014 - which had also been repeated once in that month, too.
- We also have a good set of M01b logs - Many thanks to Jim Hans Friedrich (HFD) & Jim (JkC) for monitoring these.
- M03 Activity from M03 continues to be steady on all the remaining schedules. Fortunately, we have lost no more scheds since the Tue/Sat 1535z ceased in January.
- M08a AnonUS gives us his usual quality round-up & analysis of the output from the Cuban numbers. All schedules are appearing as normal - so M08a looks to be with us for longer that we expected! Some anomalies & errors as always from this Cuban operation.
- M12 The adjustments to the M12 schedules appear to have ceased - At least for the time being, with the new timetable now settling into a regular timetable over the last two months. Still seems to suffer from the occasional technical problem or two, but not to the degree that has been noted in recent months.
- M14 Another good set of logs thanks to our Morse monitors. Once again the repeating 5's - often as a triplet group have appeared - have been noted on the ID 376 messages.
- M23 Following the extra long calls logged in February, we have no reports of any M23 activity, although Jean-Paul (JPL) caught a brief 121 repeated call on 04 March which we hoped would repeat - but failed to do so. (See UNID 1)
- M24 Some unusual activity from M24 in early April, noted too from the sister station S06, with messages were sent throughout the day at H+20.
- M97 Just as we were beginning to think that M97 was gone for good - Up it pops again with another series of transmissions. Still using the SD84 message first heard in August 2013 & sent periodically since - Usually over two or three consecutive days.

### **Morse Stations - Not Number related**

- M51 Only one log of M51 & this on the known M51a freq of 6825kHz where the station was heard briefly with 5 ltr groups on 22 April.
- The daily Morse lessons from M51a continue as usual with 5 fig grps & plain text, always a good way to sharpen up your Morse skills.
- M89 In contrast to the last report there are very few frequency & call changes reported by Jean-Paul (JPL) in his comprehensive logs, with more stable scheds now operating. The DP91 regular sched has now changed to a new frequency pairing from 07 April..
- There were a large number of frequencies in use for 'Op. Chat' - believed to be associated with exercises taking place, by far the most being in the 5MHz frequency range.

### **Beacons & Oddities**

We have a report from PoSW of an unusual appearance of a 'C' beacon on 12044kHz on 11 March, followed by a couple of items thanks to Ary (AB) with some information on the new 'B' beacon on 5292 & a brief change of frequency into the 7MHz amateur band for the 'Squeaky Wheel'.

### **Morse Stations**

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

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

### **Morse - Number Stations**

#### **UNID CW**

#### **UNID 1**

Jean-Paul (JPL) caught this one. We hoped this might turn out to be an M23 sched., but it failed to appear the following day.

|       |           |        |                            |                             |                 |     |     |
|-------|-----------|--------|----------------------------|-----------------------------|-----------------|-----|-----|
| 10414 | 1042(IP)z | 04 Mar | 121 (Remote tuner Siberia) | 121 (IP) (x6) (Ended 1042z) | Novosibirsk SDR | JPL | WED |
|-------|-----------|--------|----------------------------|-----------------------------|-----------------|-----|-----|

#### **UNID 2**

Brian (BR) came across this short transmission when monitoring for M97;

|       |       |        |                           |                   |                     |    |     |
|-------|-------|--------|---------------------------|-------------------|---------------------|----|-----|
| 10373 | 1503z | 04 Mar | 333 958 11 958 11 [Pause] | 333 958 11 958 11 | Weak via Twente SRD | BR | WED |
|-------|-------|--------|---------------------------|-------------------|---------------------|----|-----|

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

### Transmitter problems or training tactics?

The well-known 'Two-Tone' transmitter appeared to be suffering from some technical problems during the months of March & April.

Difficulties first appeared on Sat 21 March when the usual 6260kHz sched failed to appear at 1500z. This was not unusual, as M01 does miss some scheds occasionally, but then some snatches of CW were heard consisting of several two or three numbers sequences. Finally, the '30 30 00000' was heard, confirming M01. The Sunday transmission was sent the following day without any problems.

On the following Tuesday, the 24 March, the next scheduled transmission was also racked with problems. Both the 1800z & the 2000z transmissions were very intermittent - although this time a weak signal was audible during the times when the transmitter signal dropped down from a strong signal to the fault condition.

For the rest of March the transmissions appeared as normal with no apparent issues, as did those for the beginning of April until on Thursday 09 April the problem appeared again with the 1800z schedule. Once again the signal was intermittent, going from strong to weak, the weak signal being audible at all times. However, this only occurred on the 1800z transmission as the 2000z was sent without problems.

On Sunday the 12 April the transmission appeared ten minutes late and was very broken due to the intermittent transmitter, with much of the message being inaudible or broken.

Finally, on 30 April during the 2000z transmission there was a blip as the transmitter momentarily failed returning with a slight chirp as the note stabilised, to be followed by complete failure after the next six groups were sent. At 2011z two groups of VVV were heard but the transmission was never finished.

M01 is known to employ some quite extreme training methods on these schedules, which in the past has included what is believed to be a simulated scenario of a transmitter with a fading battery, where the signal gradually fades to nothing over the broadcast. Whether this was a similar exercise or if M01 was genuinely suffering from transmitter failure, we will almost certainly never know.

### More Repeated Messages

Jim (Jkc) reports some more messages that have been sent in the past. The re-use of messages seems to be a fairly recent occurrence with M01 - For many years previously it has been the case that no messages were repeated, indeed it was a defining feature of M01 transmissions.

The first reported repeat messages occurred in December 2010 & were reported thus in ENIGMA 2000 Newsletter 62;

'Among all this we have had one constant, dependable friend, the last remaining exclusively hand sent MCW station, M01, with its characteristic defining NO REPEAT MESSAGES structure (unlike its variants).

For the past decade, two decades, three decades or even longer this stalwart of the airwaves has been arriving On time, On Frequency, In Format, with its totally predictable thrice yearly ID call changes, day after day. It has presented us with the unique challenges that only a hand sent, intended for training, transmission schedule can.

One never quite knew what one was going to hear, with its changes of operator, speed, deliberate mistakes and the vagaries of propagation. It just kept rolling along.

Then between 23rd and 26th Dec 2010 it changed the habit of a lifetime :-

It sent TWO REPEAT MESSAGES – with differing DKs.'

Since then there have been occasional reports of repeated messages, however, it is only in the last year or two that the incidence of repeated messages appears to be on the increase, although this may be partly down to Jim's diligence in checking the results against past logs.

### March 2015:

|        |       |        |                                     |  |                |   |         |     |
|--------|-------|--------|-------------------------------------|--|----------------|---|---------|-----|
| 5020   | 2000z | 03 Mar | '463' 347 30 ==                     | 88262...   | ...LG 17981 == | Strong, fast. One error noted grp06         | BR      | TUE |
|        | 2000z | 05 Mar | '463' 374 30 ==                     | 16442...   | ...LG 55954 == | Weak. Ends 2010z                            | HFD/JkC | THU |
|        | 2000z | 10 Mar | '463' 388 30 ==                     | 95518...   | ...LG 17873 == | Ends 2010z                                  | JkC     | TUE |
|        | 2000z | 12 Mar | '463' 903 30 ==                     | 33968...   | ...LG 54734 == | Fair. Ends 2009z                            | JkC     | THU |
|        | 2000z | 17 Mar | '463' 321 30                        | 87312...   | ...LG 84179    | Strong, Speed Slow-Fast. Numerous errors    | BR      | TUE |
|        | 1959z | 19 Mar | '463' 521 30                        | 32066...   | ...LG 35397 == | Strong, med-fast. Excellent CW              | BR      | THU |
|        | 2000z | 24 Mar | '463' 144 30 ==                     | . . 857...   | ...LG 46094 == | Strong / Weak. Very intermittent. Tx fault? | BR      | TUE |
|        | 2000z | 26 Mar | '463' 234 30 ==                     | 97631...   | ...LG 17157 == | Weak/Very weak Ends 2009z                   | BR/JkC  | THU |
|        | 1959z | 31 Mar | '463' 873 30 ==                     | . . . . .  | ...LG 12772 == | V.weak, fast. Poor copy throughout          | BR      | TUE |
| (5476) | 1800z | 03 Mar | '463' 174 30 ==                     | 16442...   | ...LG 55957 == | Strong. Ends 1811z                          | HFD/JkC | TUE |
|        | 1800z | 05 Mar | '463' 247 30 ==                     | 88262...   | ...LG 17981 == | Fair. Ends 1810z *                          | JkC     | THU |
|        | 1800z | 10 Mar | NRH                                 |  |                |   | BR/JkC  | TUE |
|        | 1800z | 12 Mar | '463' 147 30 ==                     | 96587...   | ...LG 94523 == | Fair. Ends 1809z Fair **                    | JkC     | THU |
|        | 1800z | 17 Mar | '463' 129 30 ==                     | 47160...   | ...LG 96639 == | Strong, Very slow delivery. No errors       | BR      | TUE |
|        | 1800z | 19 Mar | '463' 103 30 ==                     | 80939...   | ...LG 13693    | Strong, fast. Several errors noted.         | BR      | THU |
|        | 1800z | 24 Mar | '463' 259 30 ==                     | 42395 83468 01772 06546                                    | 32575 ...      | fades to nil Weak Ends 1809z                | JkC     | TUE |
|        | 1800z | 26 Mar | '463' .54 30 ==                     | . . . 09...  | ...LG 36670 == | Weak/Very weak Ends 1809z                   | BR/JkC  | THU |
|        | 1759z | 31 Mar | '463' 276 30 ==                     | 21328...   | ...LG 37112 == | Strong, med-fast. Excellent CW              | BR      | TUE |
| 6260   | 1500z | 07 Mar | '463' 272 30 ==                     | 64726 ...  | ...LG 18308 == | Weak. Ends 1509z                            | HFD/JkC | SAT |
|        | 1500z | 21 Mar | Possible intermittent transmission? | Occasional 2 or 3 fig numbers heard - Not confirmed as M01 |                |   | BR      | SAT |
|        | 1500z | 28 Mar | '463' 291 30 ==                     | 00619...   | ...LG 06071 == | Fair. Ends 1508z Fair                       | JkC     | SAT |
| 6510   | 0710z | 01 Mar | '463' 521 30 ==                     | 94020...   | ...LG 55518 == | Fair, fast. Numerous errors noted           | BR      | SUN |
|        | 0710z | 08 Mar | '463' 716 30 ==                     | 75349...   | ...LG 17172 == | Good, fast. Excellent CW                    | BR      | SUN |
|        | 0710z | 15 Mar | '463'                               |  |                | Very weak sig. No useful copy               | BR      | SUN |
|        | 0700z | 22 Mar | '463' 371 30 ==                     | 84765...   | ...LG 02733 == | Good, med-fast.                             | BR/HFD  | SUN |
|        | 0700z | 29 Mar | '463' 375 30 ==                     | 68548...   | ...LG 47409    | Strong, fast. Several noted errors          | BR      | SUN |

\* Same msg as used for 2000z transmission on 03 Mar, but using different DK.

\*\* Same msg as sent on 16 Dec & 20 Dec 2014, but with different DK. GR03 also sent as 17900 (Not 17800) JkC

#### April 2015:

|      |              |        |                        |                  |                       |   |        |     |
|------|--------------|--------|------------------------|------------------|-----------------------|---|--------|-----|
| 5020 | 2000z        | 02 Apr | '463' 131 30 ==        | 89616...         | ...LG 18731 ==        | Strong. Ends 2008z.                             | JkC    | THU |
|      | 2000z        | 07 Apr | '463' 189 30 ==        | 08440...         | ...LG 59338 ==        | Good, fast. Numerous errors noted               | BR     | TUE |
|      | 2000z        | 09 Apr | '463' 175 30 ==        | 29520...         | ...LG 09124 ==        | Good, fast. Numerous errors noted               | BR     | THU |
|      | 2000z        | 14 Apr | '463' 137 30 ==        | 76767...         | ...LG 01144 ==        | Strong. Ends 2009z                              | JkC    | TUE |
|      | 2000z        | 16 Apr | '463' 437 30 ==        | 64361...         | ...LG 43390 ==        | Fair. Ends 2009z                                | JkC    | THU |
|      | 2000z        | 21 Apr | '463' 606 30 ==        | <b>33968</b> ... | ...LG <b>54734</b> == | Fair. Ends 2009z ****                           | JkC    | TUE |
|      | 2000z        | 23 Apr | '463' 249 30 ==        | 53920...         | ...LG 58219 ==        | Good, fast. Grp27 sent once only                | BR     | THU |
|      | 2000z        | 28 Apr | '463' 521 30 ==        | 48591...         | ...LG 32769 ==        | Strong  | JkC    | TUE |
|      | 2000z        | 30 Apr | '463'                  | . . 114...       | ...LG 15692 .....     | Good, med-fast. TX failed during msg.           | BR     | THU |
|      | <b>2004z</b> | 30 Apr | '463' 719 30 ==        | 38330...         | ...LG 15692.....      | Up late, short call-up. Ends suddenly 2010z     | BR/JkC | THU |
| 5475 | 1800z        | 02 Apr | '463' 218 30 ==        | 11749...         | ...LG 73846 ==        | Fair. Ends 1808z. Gr03 sent as 4F               | JkC    | THU |
|      | 1800z        | 07 Apr | '463' 568 30 ==        | . . . . .        | ...LG 73957 ==        | Weak, med-fast with pauses. Poor copy           | BR     | TUE |
|      | 1800z        | 09 Apr | '463' 592 30 ==        | . . . . .        | ...LG 76280 ==        | Intermittent strong/weak from 1805z             | BR     | THU |
|      | 1800z        | 14 Apr | '463' 902 30 ==        | 88162...         | ...LG 18827 ==        | Strong. Ends 1810z                              | JkC    | TUE |
|      | 1800z        | 15 Apr | '463' 031 30 ==        | 63048...         | ...LG 10368 ==        | Strong. Ends 1809z                              | JkC    | THU |
|      | 1800z        | 21 Apr | '463' 437 30 ==        | 96587...         | ...LG 94523 ==        | Fair. Ended 1809z ***                           | JkC    | TUE |
|      | 1800z        | 23 Apr | '463' 123 30 ==        | 47160...         | ...LG 96639 ==        | Good, fast. Numerous errors noted               | BR     | THU |
|      | 1800z        | 28 Apr | '463' 836 30 ==        | 56473...         | ...LG 27694 ==        | Strong  | JkC    | TUE |
|      | 1800z        | 30 Apr | '463' 231 30 ==        | 87920...         | ...LG 33218 ==        | Strong Ends 1808z                               | BR/JkC | THU |
| 6260 | 1459z        | 04 Apr | '463' 717 30 ==        | 02770...         | ...LG 70261 ==        | Good, fast. Excellent CW. No errors             | BR     | SAT |
|      | 1500z        | 18 Apr | '463' 312 30 ==        | 96786...         | ...LG 48963 ==        | Weak. Ends 1507z                                | JkC    | SAT |
|      | 1500z        | 25 Apr | NRH                    |                  |                       |   | BR     | SAT |
| 6510 | 0700z        | 05 Apr | '463' 831 30 ==        | 23806...         | ...LG 38969 ==        | Weak, fast. Couple of noted errors              | BR     | SUN |
|      | <b>0710z</b> | 12 Apr | '463' 981 30 ==        | 29140...         | ...LG .9509 ==        | Strong but very intermittent. TX problems?      | BR     | SUN |
|      | 0700z        | 19 Apr | '463' <b>610</b> 30 == | 74732...         | ...LG 61083 ==        | Strong, slow. With errors. Ending DK <b>410</b> | BR     | SUN |
|      | 0659z        | 26 Apr | '463' 319 30 ==        | 32513...         | ...LG 10848 ==        | Weak, fast. Several single fig repeat errors    | BR     | SUN |

\*\*\* Same msg as used 16 Dec 2014 & 20 Dec 2014 with different DK

\*\*\*\* Same msg as used 12 Mar 2015 with different DK

#### M01a (formerly end of month TXs, now random)

No Reports

#### M01b

#### March 2015

|                          |                  |        |   |                                 |         |     |
|--------------------------|------------------|--------|---|---------------------------------|---------|-----|
| 3510//4605               | 1940(IP) - 2002z | 05 Mar | 426 62 = In progress ... LG 04083 = 426 62 000]                     | Fair//Fair                      | JkC     | THU |
|                          | 1932 - 1956z     | 12 Mar | '201' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Fair                      | JkC     | MON |
|                          | 1932 - 1956z     | 26 Mar | '201' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Strong                    | JkC     | THU |
| 3520//4585               | 2110z            | 13 Mar | '153' 883 47 = 49899  | <b>ID should be 582!</b> //4585 | HFD     | FRI |
|                          | 2100z            | 20 Mar | '582'   |                                 | HFD     | FRI |
| 3520//4940               | 2110 - 2140z     | 06 Mar | '582' 426 62 = 87980 ... 04083 = 426 62 000                         | Fair//Fair                      | JkC     | FRI |
|                          | 2110 - 2132z     | 20 Mar | '582' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Strong                    | JkC     | FRI |
| 3535//4590               | 1910 - 1940z     | 02 Mar | '420' 426 62 = 87980 ... 04083 = 426 62 000                         | Very Weak//Weak                 | HFD/JkC | MON |
|                          |                  |        | Repeat of 09 Feb 2015   |                                 |         |     |
|                          | 1910 - 1952z     | 09 Mar | '420' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Fair                      | JkC     | MON |
| 3625//4940               | 1910 - 1934z     | 16 Mar | '420' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Strong                    | JkC     | MON |
|                          | 2011(IP) - 2040z | 06 Mar | '153' 426 62 = 87980 ... 04083 = 426 62 000                         | Weak//Strong                    | JkC     | FRI |
|                          |                  |        | Still in call-up at 2011z when tuned. Sked time change, or mistake? |                                 |         |     |
| (4940 only)              | 2002z            | 13 Mar | '153' 883 47 = 49899  |                                 | HFD     | FRI |
|                          | 2002 - 2024z     | 20 Mar | '153' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Strong                    | HFD/JkC | FRI |
| 3644//4454<br>3645//4455 | 2015z            | 02 Mar | '771' 426 62 = 87980  |                                 | HFD     | MON |
|                          | 2015 - 2046z     | 09 Mar | '771' 426 62 = 87980 ... 04083 = 426 62 000                         | Weak//Fair                      | JkC     | MON |
|                          |                  |        | Repeat of 09 Feb 2015   |                                 |         |     |
|                          | 2015 - 2030z     | 09 Mar | '771' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Fair                      | JkC     | MON |
|                          | 2015 - 2039z     | 16 Mar | '771' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair //Strong                   | JkC     | MON |
| 3710//4570               | 2042 - 2106z     | 12 Mar | '477' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Strong                    | JkC     | THU |
|                          | 2042 - 2106z     | 26 Mar | '477' 883 47 = 49899 ... 81701 = 883 47 000                         | Fair//Strong                    | JkC     | THU |
| 3715//4570               | 2042z            | 26 Mar | '447' 883 47 = 49899  |                                 | HFD     | THU |

#### April 2015:

|            |              |        |   |              |         |     |
|------------|--------------|--------|---|--------------|---------|-----|
| 3510//4605 | 1832 - 1856z | 02 Apr | '201' 883 47 = 49899 ... 81701 = 883 47 000 | Fair//Strong | HFD/JkC | THU |
|            | 1832 - 1850z | 15 Apr | '201' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong | JkC     | THU |

|            |              |        |   |                     |         |     |
|------------|--------------|--------|---|---------------------|---------|-----|
|            | 1832 - 1850z | 30 Apr | '201' 738 35 = 95218 ... 61079 = 738 35 000 | Weak/Fair           | JkC     | THU |
| 3520//NRH  | 2010 - 2033z | 03 Apr | '582' 883 47 = 49899 ... 81701 = 883 47 000 | Fair //4585kHz NRH* | JkC     | FRI |
| 3520//4580 | 2010 - 2029z | 17 Apr | '582' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong        | JkC     | FRI |
| 3520//4585 | 2010z        | 17 Apr | '582' 738 35 = 95218                        |                     | HFD     | FRI |
| 3535//4590 | 1810 - 1828z | 20 Apr | '420' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong        | HFD/JkC | MON |
| 3625//NRH  | 1902 - 1924z | 03 Apr | '153' 883 47 = 49899 ... 81701 = 883 47 000 | Fair //4940kHz NRH* | HFD/JkC | FRI |
| 3625//4940 | 1902 - 1922z | 17 Apr | '153' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong        | JkC     | FRI |
| 3644//4454 | 1915         | 20 Apr | '771' 738 35 = 95218                        |                     | HFD     | MON |
| 3645//4456 | 1915 - 1934z | 20 Apr | '771' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong        | JkC     | MON |
| 3715//4570 | 1942 - 2006z | 02 Apr | '477' 883 47 = 49899 ... 81701 = 883 47 000 | Fair//Strong        | HFD/JkC | MON |
|            | 1942 - 2000z | 15 Apr | '477' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong        | JkC     | THU |
|            | 1942 - 2000z | 30 Apr | '477' 738 35 = 95218 ... 61079 = 738 35 000 | Fair//Strong        | JkC     | THU |

\* Could not find the 4MHz // freq for either sked. Error, abandoned parallel freqs, or propagation? (4MHz propagation seemed fairly good) JkC  
Hans-Friedrich also reported the 4MHz freq missing.

**M01b 3535kHz 1910z 09 Mar15**

420 (R4m) 883 883 47 47 = =

49899 99131 66049 38717 49846 60805 67719 58307 26615 96899  
27147 54438 87115 10408 12684 84664 46810 75593 53276 99632  
14783 74472 55979 32286 54470 12895 00948 62070 04872 24206  
51254 95178 23294 20461 77094 79259 18028 44422 96815 50415  
24345 61354 48356 88711 13614 22404 81701 = =

883 883 47 47 000

Courtesy JkC

**M01c**

No reports

**M03 III ICW, some CW**

**March 2015:**

|       |              |        |   |                                       |            |     |
|-------|--------------|--------|---|---------------------------------------|------------|-----|
| 5463  | 1320z        | 02 Mar | 543/00 == 000   |                                       | HFD        | MON |
|       | 1320 - 1336z | 04 Mar | 549/31 == 10491 59730 ... 56560 == 000                        | Fair                                  | JkC        | WED |
|       | 1320 - 1323z | 09 Mar | 543/00 == 000   | Weak                                  | JkC        | MON |
|       | 1320 - 1323z | 16 Mar | 543/00 == 000   | Fair                                  | JkC        | MON |
|       | 1320 - 1323z | 18 Mar | 543/00 == 000   | Weak                                  | JkC        | WED |
|       | 1320 - 1323z | 23 Mar | 543/00 == 000   | Strong                                | JkC        | MON |
|       | 1320 - 1323z | 30 Mar | 543/00 == 000   | Weak                                  | JkC        | MON |
| 9150  | 1320 - 1323z | 01 Mar | 437/00 == 000   | Fair/Strong                           | BR/HFD/JkC | SUN |
|       | 1320 - 1336z | 05 Mar | 438/36 == 12853 81914 20254 19513 94434 ... 79362 99946 = 000 | Fair                                  | JkC        | THU |
|       | 1320 - 1336z | 08 Mar | 438/36 == 12853 81914 20254 19515 94434... 79362 99946 = 000  | Fair                                  | JkC        | SUN |
|       | 1320 - 1323z | 12 Mar | 437/00 == 000   | Weak                                  | BR         | THU |
|       | 1320 - 1323z | 19 Mar | 437/00 == 000   | Strong (Associated FSK POL not found) | JkC        | THU |
|       | 1320 - 1323z | 26 Mar | 437/00 == 000   | Strong                                | JkC        | THU |
| 13911 | 1420 - 1423z | 01 Mar | 879/00 == 000   | Fair                                  | HFD/JkC    | SUN |
|       | 1420 - 1423z | 08 Mar | 879/00 == 000   | Strong                                | JkC        | SUN |
|       | 1429 - 1423z | 13 Mar | 879/00 == 000   | Fair                                  | BR         | FRI |
|       | 1420 - 1438z | 20 Mar | 870/37 == 24707 ... 04962 = 000                               | Strong                                | JkC        | FRI |
|       | 1420 - 1438z | 22 Mar | 870/37 == 24707 ... 04962 = 000                               | Strong                                | JkC        | SUN |
|       | 1420 - 1423z | 27 Mar | 879/00 == 000   | Strong                                | JkC        | FRI |

**April 2015:**

|       |              |        |                                 |             |              |     |
|-------|--------------|--------|---------------------------------|-------------|--------------|-----|
| 5463  | 1320 - 1323z | 08 Apr | 543/00 == 000                   | Strong/Fair | JkC/Spectre  | WED |
|       | 1320 - 1336z | 22 Apr | 542/32 == 11538 ... 23989 = 000 | Fair        | JkC          | WED |
|       | 1320 - 1323z | 29 Apr | 543/00 == 000                   |             | DanE2kde/JkC | WED |
| 9150  | 1320 - 1336z | 05 Apr | 434/31 == 51009 ... 40451 = 000 | Strong      | JkC          | SUN |
|       | 1320 - 1323z | 09 Apr | 437/00 == 000                   | Strong      | JkC          | THU |
|       | 1330 - 1323z | 15 Apr | 437/00 == 000                   | Strong      | JkC          | THU |
|       | 1320 - 1323z | 19 Apr | 437/00 == 000                   | Strong      | JkC          | SUN |
|       | 1320 - 1323z | 23 Apr | 437/00 == 000                   | Strong      | JkC          | THU |
|       | 1320 - 1323z | 30 Apr | 437/00 == 000                   | Fair        | JkC          | THU |
| 13911 | 1420 - 1437z | 03 Apr | 874/35 == 14509 ... 62305 = 000 | Strong      | JkC          | FRI |
|       | 1420 - 1437z | 05 Apr | 874/35 == 14509 ... 62305 = 000 | Fair        | JkC          | SUN |
|       | 1420 - 1423z | 10 Apr | 879/00 == 000                   |             | E.SMITH/JkC  | FRI |

|              |        |               |        |     |     |
|--------------|--------|---------------|--------|-----|-----|
| 1420 - 1423z | 17 Apr | 879/00 == 000 | Fair   | JkC | FRI |
| 1420 - 1423z | 19 Apr | 879/00 == 000 | Fair   | JkC | SUN |
| 1420 - 1423z | 24 Apr | 879/00 == 000 | Strong | JkC | FRI |
| 1420 - 1423z | 26 Apr | 879/00 == 000 | Strong | JkC | SUN |

| M03 5463kHz 1320z 04 Mar15         |       |       |          |       |  |
|------------------------------------|-------|-------|----------|-------|--|
| 549/31 (R2m) = =                   |       |       |          |       |  |
| 10491                              | 59730 | 11559 | 20915    | 08320 |  |
| 64877                              | 01093 | 59410 | 48501    | 86924 |  |
| 03671                              | 45792 | 66157 | 68976    | 96716 |  |
| 98100                              | 45271 | 31884 | 59500    | 14725 |  |
| 99591                              | 04147 | 57098 | 82426    | 54811 |  |
| 06797                              | 92340 | 61603 | 77018    | 13216 |  |
| 56560                              | = =   |       |          |       |  |
| 549/31 (single group repeat) = 000 |       |       |          |       |  |
|                                    |       |       | Courtesy | JkC   |  |

| M03                                | 13911kHz | 1420z | 20 Mar15    |
|------------------------------------|----------|-------|-------------|
| 870/37 (R2m) = =                   |          |       |             |
| 24707                              | 79274    | 10513 | 65298 39086 |
| 19391                              | 89837    | 47827 | 72702 47532 |
| 59368                              | 94766    | 45217 | 18121 93831 |
| 25061                              | 94920    | 89369 | 35194 98520 |
| 06499                              | 67094    | 97672 | 52090 61581 |
| 77877                              | 10414    | 37522 | 35517 61760 |
| 56088                              | 30455    | 90377 | 12293 27554 |
| 96868                              | 04962    | = =   |             |
| 870/37 (single group repeat) = 000 |          |       |             |
| Courtesy                           |          |       | JkC         |

| M03 9150kHz 1320z 04 Apr15         |       |       |       |          |     |
|------------------------------------|-------|-------|-------|----------|-----|
| 434/31 (R2m) = =                   |       |       |       |          |     |
| 51009                              | 05330 | 68954 | 11112 | 98383    |     |
| 25853                              | 24313 | 15453 | 49230 | 72562    |     |
| 25872                              | 91361 | 28447 | 65640 | 54825    |     |
| 94424                              | 20892 | 62871 | 64978 | 51017    |     |
| 84113                              | 05074 | 98562 | 97677 | 06751    |     |
| 62413                              | 01831 | 61059 | 49395 | 75041    |     |
| 40451                              | = =   |       |       |          |     |
| 434/31 (single group repeat) = 000 |       |       |       |          |     |
|                                    |       |       |       | Courtesy | JkC |

#### M08a XVIII ICW / CW, some MCW

M08a continued on its regular times and frequencies during March/April. Not too much of note other than HM01 was sometimes heard in the background during the 2300z schedules. The 2300z schedule on Wednesdays on 8009kHz has been quite consistently starting earlier than the other 2300z transmissions leading to several missed call-ups over the past two months.

The weekend call-ups remained the same as previous months and the repeated **12345 67890** transmission was heard during one of the weekend broadcasts.

#### **Of note:**

19 March all 3 call-ups ended in 2 which is unusual.

29 March at 1400z the repeated **12345 67890** was transmitted rather than the regular call-ups.

24April at 1400z Windows sound heard before the Morse started. It sounded like they may have upgraded to Windows 7/8.

24April at 2000z 18262 22501 35022 were transmitted. Note that these are the normal weekend numbers but 24 April was a Friday.

On to the logs.

#### March 2015:

|      |       |        |   |  |        |     |
|------|-------|--------|---|--|--------|-----|
| 7554 | 2000z | 02 Mar | Up late in progress   |  | AnonUS | MON |
|      | 2000z | 06 Mar | Up late in progress   |  | AnonUS | FRI |
|      | 2000z | 10 Mar | [58221 62642 75071]   |  | AnonUS | TUE |
|      | 2000z | 12 Mar | Weak carrier only   |  | AnonUS | THU |
|      | 2000z | 14 Mar | [18262 22501 35022]   | Usual weekend call-ups                             | AnonUS | SAT |
|      | 2000z | 17 Mar | [20242 33671 46012]   |  | AnonUS | TUE |
|      | 2000z | 18 Mar | Up late in progress   |  | AnonUS | WED |
|      | 2000z | 19 Mar | [36771 40102 53431]   |  | AnonUS | THU |
|      | 2000z | 24 Mar | [73482 86821 08242]   |  | AnonUS | TUE |
|      | 2000z | 31 Mar | [00762 13181 26522]   |  | AnonUS | TUE |
| 8009 | 2300z | 09 Mar | [15081 - - - - -]   | Up early missed call-ups 2 and 3                   | AnonUS | MON |
|      | 2300z | 11 Mar | In progress at 2300z  |  | AnonUS | WED |
|      | 2300z | 16 Mar | [56602 6- - -2 73351]   | Missed second call-up (probably 60022 or 60032)    | AnonUS | MON |
|      | 2300z | 18 Mar | Missed call-ups   |  | AnonUS | WED |
|      | 2300z | 23 Mar | [41881 (5)4211 67542]   | Up late, just caught the last round of call-ups    | AnonUS | MON |
|      |       |        | <i>Call-up 2 was heard as 04211 (however it appears it should be 5 (Morse W) in that position so just the last dash was heard</i> |  |        |     |
|      | 2300z | 30 Mar | [65272 - - - - -]   |  | AnonUS | MON |
| 8095 | 1400z | 18 Mar | Up late in progress   |  | AnonUS | WED |
|      | 1400z | 19 Mar | [63202 74832 07362]   |  | AnonUS | THU |
|      | 1400z | 19 Mar | [41301 54622 77151]   |  | AnonUS | MON |
|      | 1400z | 24 Mar | [68142 72471 84702]   |  | AnonUS | TUE |
|      | 1400z | 25 Mar | [56332 60751 72182]   |  | AnonUS | WED |
|      | 1400z | 27 Mar | Up late, no call-ups  |  | AnonUS | FRI |
|      | 1400z | 29 Mar | <b>12345 67890</b>  | Repeated continually                               | AnonUS | SUN |
|      | 1400z | 30 Mar | [82372 05711 18132]   |  | AnonUS | MON |
|      | 1400z | 31 Mar | [82131 05452 18782]   |  | AnonUS | TUE |
| 8096 | 1400z | 06 Mar | Up late in progress.  | Glad to hear them after nothing heard since 02 Mar | AnonUS | FRI |
|      | 1400z | 10 Mar | Up late in progress   |  | AnonUS | TUE |
|      | 1400z | 11 Mar | [60661 73102 05421]   |  | AnonUS | WED |
|      | 1400z | 12 Mar | [57241 - - - - -]   | Came up with first call-up in progress             | AnonUS | THU |
|      | 1400z | 14 Mar | [18262 22501 35022]   | Usual weekend call-ups                             | AnonUS | SAT |
|      | 1400z | 16 Mar | Too weak to copy  |  | AnonUS | MON |



|                           |   |                     |  |   |  |        |     |
|---------------------------|---|---------------------|--|---|--|--------|-----|
| 8134                      | 2300z   | 08 Mar              | [18262 22501 35022]                      | Usual weekend call-ups                                    | AnonUS                                     | SUN    |     |
|                           | 2300z   | 14 Mar              | [18262 22501 35022]                      | Usual weekend call-ups                                    | AnonUS                                     | SAT    |     |
|                           | 2300z   | 15 Mar              | Carrier only, <b>expected on 8009kHz</b> |   |  | AnonUS | SUN |
|                           | 2300z   | 17 Mar              | Up late in progress                      |   |  | AnonUS | TUE |
|                           | 2300z   | 20 Mar              | [27331 31752 44181]                      | HM01 audible in the background                            | AnonUS                                     | FRI    |     |
|                           | 2300z   | 24 Mar              | [36022 40351 53672]                      |   | AnonUS                                     | TUE    |     |
|                           | 2300z   | 27 Mar              | In progress but too weak to copy         |   |  | AnonUS | FRI |
|                           | 2300z   | 28 Mar              | Carrier only                             |   |  | AnonUS | SAT |
| 2300z                     | 31 Mar  | [46572 50011 63332] |  |   | AnonUS                                     | TUE    |     |
| 8135                      | 2300z   | 06 Mar              | [72781 85112 18441]                      |   | AnonUS                                     | FRI    |     |
|                           | 2300z   | 10 Mar              | [80321 03742 25172]                      |   | AnonUS                                     | TUE    |     |
|                           | 2300z   | 12 Mar              | [78531 82862 05381]                      |   | AnonUS                                     | THU    |     |
| <b><u>April 2015:</u></b> |   |                     |  |   |  |        |     |
| 7554                      | 1400z   | 04 Apr              | [18262 22501 35022]                      | Usual weekend call-ups                                    | AnonUS                                     | SAT    |     |
|                           | 1400z   | 07 Apr              | [76042 80371 02612]                      |   | AnonUS                                     | TUE    |     |
|                           | 1400z   | 16 Apr              | [26331 30752 43181]                      |   | AnonUS                                     | THU    |     |
|                           | 1400z   | 21 Apr              | [63571 76812 88331]                      |   | AnonUS                                     | TUE    |     |
|                           | 2000z   | 01 Apr              | [15231 28552 42081]                      |   | AnonUS                                     | WED    |     |
|                           | 2000z   | 03 Apr              | [70541 83061 06302]                      |   | AnonUS                                     | FRI    |     |
|                           | 2000z   | 08 Apr              | [20781 33222 56541]                      |   | AnonUS                                     | WED    |     |
|                           | 2000z   | 08 Apr              | Present but too weak to copy             |   |  | AnonUS | THU |
|                           | 2000z   | 13 Apr              | Found in progress                        |   |  | AnonUS | MON |
|                           | 2000z   | 14 Apr              | [60012 83331 06762]                      |   | AnonUS                                     | TUE    |     |
|                           | 2000z   | 15 Apr              | [63041 76362 88701]                      |   | AnonUS                                     | WED    |     |
|                           | 2000z   | 20 Apr              | [71732 82562 05801]                      |   | AnonUS                                     | MON    |     |
|                           | 2000z   | 24 Apr              | [18262 22501 35022]                      | Weekend call-ups started early                            | AnonUS                                     | FRI    |     |
|                           | 2000z   | 27 Apr              | Up late in progress                      |   |  | AnonUS | MON |
|                           | 2000z   | 28 Apr              | [12132 25561 38882]                      | before Morse - voice 51 or 81 heard, then Morse call-ups. | AnonUS                                     | TUE    |     |
|                           | <i>When it went into the first call-up, Morse stopped and voice 76381 was sent before Morse returned. Most likely V02a.</i> |                     |  |   |  |        |     |
|                           | 8009  | 2300z               | 06 Apr                                   | [26222 - - - - - -2]                                      | Into message early missed call-ups 2 and 3 | AnonUS | MON |
|                           |   | 2300z               | 08 Apr                                   | [26731 40161 53582]                                       |  | AnonUS | WED |
|                           |   | 2300z               | 15 Apr                                   | [16471 ????? ?????]                                       |  | AnonUS | WED |
| 2300z                     |   | 20 Apr              | [- - - - - 65131 77452]                  | Missed first call-up, likely 5270(1 or 2)                 | AnonUS                                     | MON    |     |
| 2300z                     |   | 22 Apr              | [????? ????? ?????]                      | In progress at 2301z. This schedule consistently up early | AnonUS                                     | WED    |     |
| 2300z                     |   | 29 Apr              | [????? ????? ?????]                      | In progress at 2301z. This one continues to come up early | AnonUS                                     | WED    |     |
| 8095                      | 1400z   | 01 Apr              | [42652 54071 67312]                      |   | AnonUS                                     | WED    |     |
|                           | 1400z   | 08 Apr              | [61331 74652 06181]                      |   | AnonUS                                     | WED    |     |
|                           | 1400z   | 11 Apr              | [82541 05072 18301]                      |   | AnonUS                                     | FRI    |     |
|                           | 1400z   | 13 Apr              | [62482 75721 87142]                      |   | AnonUS                                     | MON    |     |
|                           | 1400z   | 14 Apr              | [26262 40581 53021]                      |   | AnonUS                                     | TUE    |     |
|                           | 1400z   | 15 Apr              | [????? ????? ?????]                      | Came up in progress                                       | AnonUS                                     | WED    |     |
|                           | 1400z   | 24 Apr              | [40461 53702 66122]                      | Windows dings heard before call-ups started               | AnonUS                                     | FRI    |     |
|                           | 1405z   | 25 Apr              | [18262 22501 35022]                      | Up late but with usual weekend call-ups                   | AnonUS                                     | SAT    |     |
| 8096                      | 1400z   | 05 Apr              | [18262 22501 35022]                      | Usual weekend call-ups                                    | AnonUS                                     | SUN    |     |
|                           | 1400z   | 06 Apr              | [73361 86602 00121]                      |   | AnonUS                                     | MON    |     |
|                           | 1400z   | 19 Apr              | [18262 22501 35022]                      | Usual weekend call-ups                                    | AnonUS                                     | SUN    |     |
|                           | 1400z   | 21 Apr              | [55841 68272 71501]                      |   | AnonUS                                     | TUE    |     |
|                           | 1400z   | 22 Apr              | [55422 67741 71271]                      |   | AnonUS                                     | WED    |     |
|                           | 1400z   | 23 Apr              | [77852 81271 03612]                      |   | AnonUS                                     | THU    |     |
|                           | 1400z   | 27 Apr              | [02353 14182 28112]                      |   | AnonUS                                     | MON    |     |
|                           | 1400z   | 28 Apr              | [04401 27732 31151]                      |   | AnonUS                                     | TUE    |     |
| 8134                      | 2300z   | 01 Apr              | [- - - - - - - - - -]                    | Recording problem, no copy                                | AnonUS                                     | WED    |     |
|                           | 2300z   | 05 Apr              | [18262 22501 35022]                      | Usual weekend call-ups                                    | AnonUS                                     | SUN    |     |
|                           | 2300z   | 07 Apr              | [16152 20472 33811]                      |   | AnonUS                                     | TUE    |     |
|                           | 2300z   | 16 Apr              | [22681 45112 58441]                      |   | AnonUS                                     | THU    |     |
|                           | 2300z   | 17 Apr              | [27762 31181 44422]                      |   | AnonUS                                     | FRI    |     |
|                           | 2300z   | 21 Apr              | [05371 16111 20442]                      |   | AnonUS                                     | TUE    |     |
|                           | 2300z   | 23 Apr              | [26601 30032 43451]                      |   | AnonUS                                     | THU    |     |
|                           | 2300z   | 28 Apr              | [58852 62371 75612]                      |   | AnonUS                                     | TUE    |     |
|                           | <i>Distorted HM01 in background, call-ups as per HM01 at 1600z, except last one which sounded like 72100</i>                |                     |  |   |  |        |     |

## Call-up Number Sequence Analysis

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

|                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| 72781 85112 18441 12 33 33 23 | 82131 05452 18782 11 33 33 23 | 26331 30752 43181 11 33 43 23 |
| 58221 62642 75071 11 33 43 23 | 00762 13181 26522 11 33 34 23 | 22681 45112 58441 21 33 43 23 |
| 80321 03742 25172 12 32 43 23 | 46572 50011 63332 11 33 43 32 | 27762 31181 44422 11 33 33 23 |
| 60661 73102 05421 12 32 43 32 | 42652 54071 67312 11 23 33 23 | 71732 82562 05801 11 13 73 33 |
| 78531 82862 05381 11 33 34 32 | 15231 28552 42081 12 33 34 23 | ----- 65131 77452 ?1 ?2 ?3 ?2 |
| 56602 6- -2 73351 11 ?? ?? ?? | 70541 83061 06302 11 33 43 23 | 55841 68272 71501 11 32 33 32 |
| 20242 33671 46012 11 33 43 33 | 73361 86602 00121 11 33 34 32 | 63571 76812 88331 11 32 34 32 |
| 63202 74832 07362 12 13 64 33 | 76042 80371 02612 11 32 33 33 | 05371 16111 20442 11 13 73 33 |
| 36771 40102 53431 11 33 33 23 | 16152 20472 33811 11 33 34 23 | 55422 67741 71271 11 23 34 23 |
| 27331 31752 44181 11 33 43 23 | 61331 74652 06181 12 32 34 23 | 77852 81271 03612 11 32 34 23 |
| 41301 54622 77151 12 33 34 23 | 20781 33222 56541 12 33 43 32 | 26601 30032 43451 11 33 34 32 |
| 41881 54211 67542 11 33 33 23 | 26731 40161 53582 21 33 34 32 | 40461 53702 66122 11 33 33 32 |
| 68142 72471 84702 11 32 33 32 | 82541 05072 18301 11 33 43 32 | 02353 14182 28112 11 24 69 32 |
| 73482 86821 08242 11 32 43 32 | 62482 75721 87142 11 32 33 32 | 04401 27732 31151 21 33 33 32 |
| 36022 40351 53672 11 33 33 32 | 26262 40581 53021 21 33 34 32 | 12132 25561 38882 11 33 43 32 |
| 56332 60751 72182 11 32 43 23 | 60012 83331 06762 21 33 34 23 | 58852 62371 75612 11 33 43 23 |
| 82372 05711 18132 11 33 43 32 | 63041 76362 88701 11 32 34 23 |                               |
|                               |                               | Courtesy AnonUS               |

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

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

## Asiatic M12 Schedules

The 0020/0040/0100z sched for March has continued with the same freq set & ID as used in February. (First logged by Token in December).

**Asiatic Wed / Sat M12 Schedule Version 5.0**  
 Chart based on observations Nov 26, 2014 to March 4, 2015.  
 Station transmits each Wednesday and Saturday morning, times as listed.  
 Transmissions are ICW, frequency listed is carrier frequency.

| Time UTC | January 854 | February 548 | March 548 | April | May | June | July | August | September | October | November 253 | December 548 |
|----------|-------------|--------------|-----------|-------|-----|------|------|--------|-----------|---------|--------------|--------------|
| 0020     | 15826       | 18576        | 18576     |       |     |      |      |        |           |         | 19276        | 18576        |
| 0040     | 14576       | 17436        | 17436     |       |     |      |      |        |           |         | 18576        | 17436        |
| 0100     | 13416       | 15826        | 15826     |       |     |      |      |        |           |         | 16356        | 15826        |

Pacific area observed M12 schedule, Asiatic Russia or Kamchatka possible source based on HFDF and propagation modeling.  
 Western US, Canada, Central America receive a good signal, parts of Asia also.  
 Propagation modeling and use of down stepping frequencies might suggest US / Canada / Central America as the target area.

Station transmitter sometimes comes on frequency being tuned up with broadcast audio in the background, as is seen occasionally on Asiatic V07 and Asiatic Thur M12. This can happen as early as 50 minutes before scheduled transmission time.

Token

|                   |                 |        |                |                                      |                       |       |     |
|-------------------|-----------------|--------|----------------|--------------------------------------|-----------------------|-------|-----|
| 18576/17436/----  | 0020/0040/0100z | 07 Mar | 548 000        | Fair/Fair                            | Via Broome remote SRD | JkC   | SAT |
| 15825             | 0100z           | 11 Mar | 548 1 (478 65) | 70408 07217 .... 50216 42000 000 000 |                       | DanAR | WED |
| 14493/13393/----  | 0300/20/40z     | 12 Mar | 435 000        | Strong/Strong/Strong                 | Via Hong Kong remote  | JkC   | THU |
| 15826/14576/13416 | 0220/0240/0300z | 15 Apr | 854 1 (159 71) | 27761 19677 ... 91379 767011 000     | Via Mojave remote     | JkC   | WED |
| 14576             | 0240z           | 22 Apr | 854 000        | Weak                                 | Via Hong Kong Remote  | JkC   | WED |

## European M12 Logs

### March 2015:

|                |                 |        |                 |                           |                      |         |     |
|----------------|-----------------|--------|-----------------|---------------------------|----------------------|---------|-----|
| 5763/5163/4463 | 2200/20/40z     | 04 Mar | 714 1 (6807 83) | 89271 20062 ... 01238 000 | Strong/Strong/Strong | JkC     | WED |
|                | 2200/20/40z     | 11 Mar | 714 000         | Strong/Strong             |                      | HFD/JkC | WED |
|                | 2200/20/40z     | 25 Mar | 714 1 (8879 95) | 00212 11105 ... 65089 000 | Strong/Strong/Strong | JkC     | WED |
| 5792/6992/---- | 0530/0550/0610z | 02 Mar | 796 000         | Strong/Strong             |                      | HFD/JkC | MON |
| 6784/7684/---- | 0730/0750/0810z | 05 Mar | 761 000         |                           |                      | HFD     | THU |

|                   |                 |        |         |               |       |           |           |                          |         |     |
|-------------------|-----------------|--------|---------|---------------|-------|-----------|-----------|--------------------------|---------|-----|
| 8047/6802/5788    | 1800/20/40z     | 02 Mar | 463 1   | (6293 143)    | 07312 | 17215 ... | 06782 000 | Strong/Strong/Strong     | HFD/JkC | MON |
|                   | 1900/20/40z     | 04 Mar | 463 1   | (5010 144)    | 79419 | 99148 ... | 79417 000 | Strong/Strong/Strong     | JkC     | WED |
|                   | 1800/20/40z     | 09 Mar | 463 1   | (2830 142)    | 43802 | 97129 ... | 94338 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1900/20/40z     | 11 Mar | 463 1   | (3331 138)    | 94092 | 37247 ... | 98378 000 | Strong/Strong/Strong     | HFD/JkC | WED |
|                   | 1800/20/40z     | 16 Mar | 463 1   | (2382 147)    | 54839 | 90551 ... | 78587 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1800/20/40z     | 23 Mar | 463 1   | (1943 144)    | 04259 | 74513 ... | 88435 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1900/20/40z     | 25 Mar | 463 1   | (2922 136)    | 72878 | 20116 ... | 66752 000 | Strong/Strong/Strong     | JkC     | WED |
| 8158/9258/10658   | 0600/20/40z     | 28 Mar | 126 1   |               |       |           |           |                          | HFD     | SAT |
| 9176/7931/6904    | 1900/20/40z     | 02 Mar | 257 1   | (8393 116)    | 63007 | 15318 ... | 86910 000 | Strong/Strong/strong     | JkC     | MON |
|                   | 1800/20/40z     | 04 Mar | 257 1   | (9710 141)    | 56214 | 45569 ... | 05530 000 | Fair/Fair/Fair           | JkC     | WED |
|                   | 1900/20/40z     | 09 Mar | 257 1   | (3061 104)    | 96541 | 30882 ... | 06083 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1800/20/40z     | 11 Mar | 257 1   | (6478 136)    | 37566 | 45359 ... | 14420 000 | Strong/Strong/Strong     | HFD/JkC | WED |
|                   | 1900/20/40z     | 16 Mar | 257 1   | (3241 114)    | 64224 | 14154 ... | 47688 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1800/20/40      | 25 Mar | 257 1   | (2470 149)    | 70109 | 27415 ... | 18390 000 | Strong/Strong/Strong     | JkC     | WED |
|                   |                 |        |         |               |       |           |           |                          |         |     |
| 10343/9264/8116   | 1930/1950/2010z | 03 Mar | 124 1   | (1391 53)     | 41132 | 11182 ... | 49964 000 | Strong/Strong/Strong     | HFD/JkC | TUE |
|                   | 1800/20/40z     | 05 Mar | 124 1   | (6560 145)    | 56679 | 78544 ... | 37464 000 | Strong/Strong/Strong     | HFD/JkC | THU |
|                   | 1900/20/40z     | 05 Mar | 124 1   | (7083 120)    | 11727 | 12701 ... | 47016 000 | Strong/Strong/Strong     | HFD/JkC | THU |
|                   | 1930/1950/2010z | 10 Mar | 124 1   | (1814 58)     | 62067 | 61908.... | 98520 000 | Strong/Strong/Strong     | JkC     | TUE |
|                   | 1800/20/40z     | 12 Mar | 124 1   | (5706 153)    | 72792 | 26925.... | 43862 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1900/20/40z     | 12 Mar | 124 1   | (6227 120)    | 53286 | 88323 ... | 80600 000 | Strong/Strong/Strong     | HFD/JkC | THU |
|                   | 1930/1950/2010z | 17 Mar | 124 1   | (7858 52)     | 46561 | 94394 ... | 81940 000 | Fair/Strong/Strong       | JkC     | TUE |
|                   | 1800/20/40z     | 26 Mar | 124 1   | (5409 148)    | 10592 | 92290 ... | 11538 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1900/20/40z     | 26 Mar | 124 1   | (4029 118)    | 28959 | 55294 ... | 29960 000 | Strong/Strong/Strong     | JkC     | THU |
|                   |                 |        |         |               |       |           |           |                          |         |     |
| 11435/10598/9327  | 1700/20/40z     | 02 Mar | 938 1   | (3086 114)    | 60314 | 77900 ... | 25037 000 | Strong/Strong/Strong     | HFD/JkC | MON |
|                   | 1930/1950/2010z | 04 Mar | 938 1   | (1144 58)     | 74001 | 87391 ... | 83540 000 | Strong/Strong/Strong     | JkC     | WED |
|                   | 1700/20/40z     | 09 Mar | 938 1   | (4860 110)    | 84739 | 38091 ... | 74324 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1930/1950/2010z | 11 Mar | 938 1   | (7160 66)     | 97028 | 53715 ... | 87216 000 | Strong/Strong/Strong     | HFD/JkC | WED |
|                   | 1700/20/40z     | 16 Mar | 938 1   | (2827 118)    | 64105 | 23278 ... | 58798 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1700/20/40z     | 23 Mar | 938 1   | (9878 108)    | 03246 | 67100 ... | 00196 000 | Strong/Strong/Strong     | JkC     | MON |
|                   | 1930/1950/2010z | 25 Mar | 938 1   | (4924 63)     | 90763 | 35776 ... | 13025 000 | Strong/Strong/Strong     | JkC     | WED |
| 12205/13559/14728 | 1100/20/40z     | 09 Mar | 973 1   | (9470 120)    | 73656 | 24074 ... | 20054 000 | Fair/Fair/Strong         | JkC     | MON |
|                   | 1100/20/40z     | 16 Mar | 973 1   | (4964 119)    | 80649 | 79702 ... | 75513 000 | Fair/Strong/Strong       | JkC     | MON |
|                   | 1100/20/40z     | 30 Mar | 973 1   | (8528 148)    | 57610 | 26849 ... | 39010 000 | Fair/Strong/Strong       | JkC     | MON |
|                   |                 |        |         |               |       |           |           |                          |         |     |
| 12214/ 10814/9214 | 1310/30/50z     | 07 Mar | 282 000 |               |       |           |           |                          | HFD     | SAT |
|                   | 1310/30/50z     | 12 Mar | 282 1   | (9068 177)    | 27076 | 14943.... | 68276 000 | Not Monitd/Strong/Strong | JkC     | THU |
|                   | 1310/30/50z     | 14 Mar | 282 1   | (9068 177)    | 27076 | 14943 ... | 68276 000 | Not Monitd/Strong/Strong | JkC     | SAT |
|                   | 1310/30/50z     | 19 Mar | 282 000 | Strong/Strong |       |           |           |                          | JkC     | THU |
|                   | 1310/30/50z     | 26 Mar | 282 1   | (6716 159)    | 56620 | 22957 ... | 47981 000 | NotMonitd/Strong/Strong  | JkC     | THU |
|                   | 1310/30/50z     | 28 Mar | 282 000 | Strong/Strong |       |           |           |                          | JkC     | SAT |
|                   |                 |        |         |               |       |           |           |                          |         |     |
| 13386/12189/11491 | 1500/20/40z     | 05 Mar | 725 1   | (3285 147)    | 07087 | 10882 ... | 44730 000 | Strong/Strong/Strong     | HFD/JkC | THU |
|                   | 1700/20/40z     | 05 Mar | 725 1   | (4739 103)    | 31916 | 71789 ... | 45021 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1500/20/40z     | 12 Mar | 725 1   | (4268 139)    | 85469 | 09560 ... | 53887 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1700/20/40z     | 12 Mar | 725 1   | (2007 116)    | 41120 | 48548 ... | 22526 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1500/20/40z     | 19 Mar | 725 1   | (9375 132)    | 45120 | 78756 ... | 00964 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1700/20/40z     | 19 Mar | 725 1   | (1766 103)    | 18191 | 56472 ... | 78437 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1500/20/40z     | 26 Mar | 725 1   | (6617 146)    | 26764 | 07541 ... | 54564 000 | Strong/Strong/Strong     | JkC     | THU |
|                   | 1700/20/40z     | 26 Mar | 725 1   | (8086 116)    | 56532 | 20163 ... | 11158 000 | Strong/Strong/Strong     | JkC     | THU |
|                   |                 |        |         |               |       |           |           |                          |         |     |
| 14769/16269/----  | 1010/30/50z     | 05 Mar | 721 000 |               |       |           |           |                          | HFD     | THU |

#### April 2015:

|                 |                 |        |         |               |       |           |           |                          |         |     |
|-----------------|-----------------|--------|---------|---------------|-------|-----------|-----------|--------------------------|---------|-----|
| 5792/6992/----  | 0430/0450/0510z | 20 Apr | 796 000 | Strong/Strong |       |           |           |                          | HFD/JkC | MON |
| 6793/5893/4593  | 2100/20/40Z     | 01 Apr | 785 1   |               |       |           |           |                          | HFD     | WED |
|                 | 2100/20/40z     | 08 Apr | 785 000 | Strong/Strong |       |           |           |                          | JkC     | WED |
|                 | 2100/20/40z     | 22 Apr | 758 1   | (6891 71)     | 95392 | 16302 ... | 81071 000 | Not Monitd/Strong/Strong | JkC     | WED |
|                 | 2100/20/40z     | 29 Apr | 785 000 | Strong/Strong |       |           |           |                          | JkC     | WED |
|                 |                 |        |         |               |       |           |           |                          |         |     |
| 7484/8084/----  | 0630/0650/0710z | 02 Apr | 402 000 | Fair/Fair     |       |           |           |                          | HFD/JkC | THU |
| 8047/6802/5788  | 1900/20/40z     | 08 Apr | 463 1   | (8004 141)    | 88221 | 42798 ... | 66107 000 | Strong/Strong/Strong     | JkC     | WED |
|                 | 1900/20/40z     | 15 Apr | 463 1   | (9176 138)    | 36112 | 14230 ... | 33231 000 | Strong/Strong/Strong     | JkC     | WED |
|                 | 1800/20/40z     | 20 Apr | 463 1   | (9450 153)    | 31474 | 38416 ... | 38490 000 | Strong/Strong/Strong     | HFD/JkC | MON |
|                 | 1900/20/40z     | 29 Apr | 463 1   | (1594 153)    | 84956 | 22291 ... | 27629 000 | Strong/Strong/Strong     | JkC     | WED |
|                 |                 |        |         |               |       |           |           |                          |         |     |
| 9176/7931/6904  | 1800/20/40z     | 15 Apr | 257 1   | (4139 131)    | 04982 | 06835 ... | 25080 000 | Fair/Fair/Fair           | JkC     | WED |
|                 | 1900/20/40z     | 20 Apr | 257 1   | (3482 111)    | 05173 | 68390 ... | 28710 000 | Strong/Strong/Strong     | HFD/JkC | MON |
|                 | 1800/20/40z     | 29 Apr | 257 1   | (4858 148)    | 57771 | 14395 ... | 09561 000 | Strong/Strong/Strong     | JkC     | WED |
| 10343/9264/8116 | 1800/20/40z     | 02 Apr | 124 1   | (7483 148)    | 36602 | 88253 ... | 61658 000 | Fair/Fair/Fair           | JkC     | THU |
|                 | 1900/20/40z     | 02 Apr | 124 1   | (3299 110)    | 54729 | 32160 ... | 89959 000 | Fair/Fair/Fair           | JkC     | THU |
|                 | 1800/20/40z     | 09 Apr | 124 1   | (5456 142)    | 57041 | 32170 ... | 04292 000 | Strong/Strong            | JkC     | THU |
|                 | 1930/1950/2010z | 14 Apr | 124 1   | (4131 50)     | 88498 | 82991 ... | 88597 000 | Strong/Strong/Strong     | JkC     | TUE |
|                 | 1800/20/40z     | 16 Apr | 124 1   | (5027 145)    | 12953 | 80908 ... | 31026 000 | Strong/Strong/Strong     | JkC     | THU |

|                   |                      |        |                  |                           |                      |          |     |
|-------------------|----------------------|--------|------------------|---------------------------|----------------------|----------|-----|
|                   | 1900/20/40z          | 16 Apr | 124 1 (1533 104) | 71805 81581 ... 57078 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1930/1950/2010z      | 21 Apr | 124 1 (3891 63)  | 00019 15773 ... 17809 000 | Strong/Strong/Strong | JkC      | MON |
|                   | 1930/1950/2010z      | 28 Apr | 124 1 (5967 64)  | 21223 77741 ... 80970 000 | Strong/Strong/Strong | JkC      | TUE |
|                   | 1800/20/40z          | 30 Apr | 124 1 (3499 148) | 11753 84437 ... 92671 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1900/20/40z          | 30 Apr | 124 1 (7311 119) | 59036 50208 ... 49222 000 | Strong/Strong/Strong | JkC/PLdn | THU |
| 11435/10598/9327  | 1930/1950/2010z      | 08 Apr | 938 1 (2446 66)  | 10805 83233 ... 64010 000 | Strong/Strong/Strong | JkC      | WED |
|                   | 1930/1950/2010z      | 15 Apr | 938 1 (9602 57)  | 00423 56859 ... 17081 000 | Fair/Fair/Fair       | JkC      | WED |
|                   | 1700/20/40z          | 20 Apr | 938 1 (2261 118) | 96053 83063 ... 94645 000 | Strong/Strong/Strong | JkC      | MON |
|                   | 1930/1950/2010z      | 29 Apr | 938 1 (8911 50)  | 15057 25259 ... 74328 000 | Strong/Strong/Strong | JkC      | WED |
| 11469/10469/9169  | 2110/30/50z          | 08 Apr | 441 000          | Strong/Strong             |                      | HFD/JkC  | WED |
|                   | 2110/30/50z          | 18 Apr | 441 000          | Strong/Strong             |                      | JkC      | SAT |
|                   | 2110/30/50z          | 29 Apr | 441 1 (5970 95)  | 87975 38604 ... 50306 000 | Strong/Strong/Strong | JkC      | WED |
| 12205/13559/14728 | 1100/20/40z          | 06 Apr | 973 1 (1326 1 .) | 06571 14021 ... 81951 000 | Strong/Strong/Strong | JkC      | MON |
| 13386/12189/11491 | 1500/20/40z          | 02 Apr | 725 1 (9872 119) | 66881 85818 ... 73807 000 | Fair/Fair/Fair       | JkC      | THU |
|                   | 1700/20/40z          | 02 Apr | 725 1 (7683 116) | 26572 83720 ... 38830 000 | Fair/Fair/Fair       | JkC      | THU |
|                   | 1500/20/40z          | 09 Apr | 725 1 (2819 137) | 78532 85603 ... 06012 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1700/20/40z          | 09 Apr | 725 1 (5511 106) | 18286 46391 ... 59586 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1500/20/40z          | 16 Apr | 725 1 (7296 146) | 39486 93021 ... 00601 000 | Strong/Strong/Strong | AB/JkC   | THU |
|                   | 1700/20/40z          | 16 Apr | 725 1 (6876 108) | 29075 27949 ... 46232 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1500/20/40z          | 23 Apr | 725 1 (3958 126) | 14157 33575 ... 84967 000 | Strong/Strong/Strong | JkC      | THU |
|                   | <b>1700*</b> /20/40z | 23 Apr | 725 1 (9999 112) | 81355 19250 ... 49487 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1500/20/40z          | 30 Apr | 725 1 (6361 137) | 54668 17532 ... 49890 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1700/20/40z          | 30 Apr | 725 1 (9423 100) | 63664 56407 ... 64890 000 | Strong/Strong/Strong | JkC      | THU |
| 14468/13568/12187 | 1310/30/50z          | 02 Apr | 451 1            |                           |                      | HFD      | THU |
|                   | 1310/30/50z          | 09 Apr | 451 000          | Not Monitd/Strong         |                      | JkC      | THU |
|                   | 1310/30/50z          | 16 Apr | 451 000          | Strong/Strong             |                      | JkC      | THU |
|                   | 1310/30/50z          | 18 Apr | 451 000          | Not Monitd/Strong         |                      | JkC      | SAT |
|                   | 1310/30/50z          | 23 Apr | 451 1 (8329 175) | 98868 99353 ... 25762 000 | Strong/Strong/Strong | JkC      | THU |
|                   | 1310/30/50z          | 25 Apr | 451 1 (8329 175) | 97868 99353.... 25762 000 | Strong/Strong/Strong | JkC      | SAT |
|                   | 1310/30/50z          | 30 Apr | 451 000          | Strong/Strong             |                      | JkC      | THU |

\* **Transmission failed at 1705z** **Returned with brief call-up and continued mid-traffic**

**M14** IA MCW / ICW / MCWCC, short 0

#### March 2015:

|        |                  |        |  |                      |  |         |     |
|--------|------------------|--------|--|----------------------|--|---------|-----|
| 5240   | 2300 - 2307z     | 08 Mar | 376 (524 020) 93295 ... 23051 00000  | Strong               |  | JkC     | SUN |
|        |                  |        | Began by transmitting a null sked (376 (R3) 00000), <b>sent a long series of 5's</b> (R27) then into traffic with repeat of 08 Feb msg.* |                      |  |         |     |
| 5430   | 0800z            | 28 Mar | 171 (823 20) = 35091   |                      |  | HFD     | SAT |
| 5463   | 1920z            | 24 Mar | 537 (916 020) 13378  |                      |  | HFD     | TUE |
|        | 1920 - 1928z     | 25 Mar | 537 (916 020) 13378 ... 23568 00000  | Fair                 |  | JkC     | WED |
| 5464   | 1900 - 1928z     | 11 Mar | 537 (916 020) 13378 14888 ... 19089 23568 916 020 00000  | Strong               |  | JkC     | WED |
| 5477   | 1800z            | 06 Mar | 382 00000  |                      |  | HFD     | FRI |
|        | 1800 - 1803z     | 20 Mar | 382 00000  | Strong               |  | JkC     | FRI |
| 5825   | 0000 - 0007z     | 09 Mar | 376 (524 020) 93295 ... 23051 00000  | Strong               |  | JkC     | MON |
| 5944/5 | 1700 - 1705z     | 06 Mar | 382 00000  | Weak                 |  | HFD/JkC | FRI |
|        | 1700 - 1703z     | 20 Mar | NRH  |                      |  | JkC     | FRI |
| 5946/7 | 1820 - 1828z     | 10 Mar | 346 (129 020) 23145 84361 ... 38192 42131 00000  | Strong               |  | HFD/JkC | TUE |
|        | 1820 - 1828z     | 24 Mar | 346 (129 020) 23145 ... 42131 129 020 00000  | Strong               |  | JkC     | TUE |
| 5477   | 1800 - 1805z     | 06 Mar | 382 00000  | Strong               |  | JkC     | FRI |
| 6837   | 1800 - 1802z     | 04 Mar | 153 (978 102) = = 05051 80452 ....41849 89154 = =  | Good                 |  | BR      | WED |
| 11487  | 1434(IP) - 1443z | 03 Mar | (127 53) In progress... LG 94629 = 127 53 00000  | Strong               |  | JkC     | TUE |
| 18041  | 0500 - 0512z     | 02 Mar | 952 (376 50) = 55705 18351 57586 ... 61980   | Via Hong Kong remote |  | JkC     | MON |
|        | 0500 - 0515z     | 25 Mar | 952 (104 60) = 18346 ... 22173 =   | Fair Rimini remote   |  | JkC     | WED |

\* **Once again we have sequences of multiple 555s sent. These were also noted on the same sched during Jan / Feb, but with varying numbers of 555s sent.**

#### April 2015:

|      |              |        |  |        |                       |     |     |
|------|--------------|--------|--|--------|-----------------------|-----|-----|
| 5463 | 1920 - 1928z | 15 Apr | 537 (916 020) = 13378 ... 23568 916 020 00000                | Strong | Repeat of 11 Mar 2015 | JkC | WED |
| 5477 | 1800 - 1804z | 03 Apr | 382 00000  | Fair   |                       | JkC | FRI |
|      | 1800 - 1804z | 17 Apr | 382 00000  | Strong |                       | JkC | FRI |
| 5825 | 0000 - 0008z | 20 Apr | 376 <b>555</b> (524 020) = 93295 ... 23051 524 020 00000     | Strong |                       | JkC | MON |
|      |              |        | Repeat. Sent with the stutter <b>555</b> in preamble again** |        |                       |     |     |

|       |              |        |   |                          |               |                       |                    |         |     |
|-------|--------------|--------|---|--------------------------|---------------|-----------------------|--------------------|---------|-----|
| 5944  | 1700 - 1704z | 03 Apr | 382 00000                                 | Fair                     |               |                       |                    | JkC     | FRI |
|       | 1700 - 1704z | 17 Apr | 382 00000                                 | Fair                     |               |                       |                    | JkC     | FRI |
| 5947  | 1820 - 1828z | 14 Apr | 346 (129 020) = 23145 ... 42131 = 129 020 | 00000                    | Strong        | Repeat of 10 Mar 2015 |                    | HFD/JkC | TUE |
|       | 1820 - 1828z | 28 Apr | 346 (129 020) = 23145 ... 42131 = 129 020 | 00000                    | Strong        |                       |                    | JkC     | TUE |
| 7321  | 0554 - 0557z | 20 Apr | (324 020)                                 | I/P ... LG 95438         | 00000 324 020 | Strong                | Postamble as sent. | JkC     | MON |
| 10755 | 1715 - 1717z | 29 Apr | (257 81)                                  | I/P ...LG 54788 = 257 81 | 00000         | Strong                | 21wpm              | JkC     | WED |
| 18041 | 0500 - 0515z | 02 Apr | 952 (143 60) = 09414 ... 71796 = 143 60   | 00000                    | Strong        |                       |                    | JkC     | THU |
|       | 0500 - 0513z | 14 Apr | 952 (760 50) = 90689 67268 .....          | 73717 74858              | 00000         |                       |                    | E.SMITH | TUE |
|       | 0500 - 0512z | 15 Apr | 952 (346 50) = 63360 ... 84690 = 346 50   | 00000                    | Fair          | Via Mojave remote     |                    | JkC     | WED |
|       | 0500 - 0514z | 20 Apr | 952 (870 60) = 22068 ... 17669 = 870 60   | 00000                    | Strong        | Via Hong Kong remote  |                    | JkC     | MON |
|       | 0500 - 0513z | 21 Apr | 952 (163 50) = 96083 ... 79117 = 163 50   | 00000                    | Fair          | Via Hong Kong remote  |                    | JkC     | TUE |

**\*\* and again, the 555 stutter group.**

PoSW sends this interesting report on M14 activity;

**04-Mar-15** Wednesday:- 1702 UTC, **12093** kHz, M14 CW in call-up, “534”, then, “127 127 53 53 = =”

Heterodyne beat note with the carrier of a BC station on 12,095.5Fs as doubles, ended after 1712 UTC with the usual “= =”, DKDK GCGC and 5 – dash “00000”.

**08-Apr-15** Wednesday:- **1706** UTC, **10755** kHz, M14 CW in progress with an S9 signal, ended 1717 UTC with, “= = 294 294 85 85 00000”

This frequency was noted active with M14 CW throughout July of last year with a one day on - one day off schedule and a repeat at 1730 UTC on 9073 kHz and with call “975”. Not quite the case here today:-

**1730** UTC, **9073** kHz, repeat on the expected frequency but different call, “636” here, S9 signal, DK/GC “294 294 85 85 = =”

Confirms as second sending of 10755 transmission. I checked 10755 at 1700 UTC on most subsequent days in April but did not hear it again until two weeks later:-

**22-Apr-15** Wednesday, **1700** UTC, **10755** kHz, M14 CW calling “636”, then DK/GC “149 149 82 82 = =”

Signal strength S7 at best. 10,755 was honoured by a visit from the Russian Woodpecker at around 1705 UTC, stayed for about 30 seconds.

**1730** UTC, **9073** kHz, second sending, slightly stronger signal.

### M14 MCW

**15-Apr-15** Wednesday:- **1925** UTC, **5463** kHz, constant carrier keyed audio tone M14 MCW in progress

Quite a slow speed coupled with 5Fs sent as doubles meant that I could copy it, last few groups were, “12204 52079 14187 19089 23568”. I didn't hear a “break break” sign, or perhaps I missed it, ended with, “916 916 020 020 00000”.

Similar M14 MCW often noted on a Wednesday.

|   |   |
|---|---|
| <b>M14 18041kHz 0500z 02 Apr 15</b><br><br>952 (R4m) 143 143 60 60 = =<br><br>09414 25701 91157 05551 73145 14681 92244 14885 54056 64189<br>33159 29560 94251 80793 02070 42148 90253 90462 20511 93702<br>89203 13256 85520 28175 79672 11135 77491 75432 25537 51120<br>44688 17596 16369 50964 00360 18346 32758 99530 93388 19918<br>50018 69067 38408 37455 18708 61564 16340 05417 65408 56378<br>81265 55716 02184 51315 34596 32293 18183 14359 52455 71796<br>= =<br><br>143 143 60 60 00000<br><br><i>Courtesy JkC</i> | <b>M14 18041kHz 0500z 14Apr 15</b><br><br>952 (R4m) 760 760 50 50 = =<br><br>90689 67268 08245 28860 62205 63188 79080 36778 58278 64953<br>89714 73116 26406 90774 09891 55021 69469 15884 94838 29028<br>47077 47962 06192 94396 85980 47991 59957 61703 66764 32437<br>81219 45114 78987 17731 70272 11797 61978 92965 19864 36894<br>73457 31758 68241 37499 53157 79200 77688 84080 73717 74858<br>= =<br><br>760 760 50 50 00000<br><br><i>Courtesy E SMITH</i> |
|---|---|

### M23 O ICW

No reports

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

|       |                  |        |  |                  |      |     |
|-------|------------------|--------|--|------------------|------|-----|
| 6836  | 0530 - 0545z     | 02 Mar | 381 (659 101) = 13379 16308 95966 ... 37517 00089 = Strong | 26wpm            | JkC  | MON |
| 9073  | 1730z            | 08 Apr | 636 (294 85) = Ended 49169 294 85 00000                    |                  | RNGB | WED |
| 13945 | 1324(IP) - 1430z | 03 Apr | I/P ... LG 89013 = 479 60 00000 Strong                     | Repeat not found | JkC  | FRI |

|              |        |       |     |     |
|--------------|--------|-------|-----|-----|
| 1320 - 1325z | 07 Apr | [NRH] | JkC | TUE |
| 1320 - 1325z | 08 Apr | [NRH] | JkC | WED |

Richard RRGB reports Family 1a stations sending various messages at 20 minutes past the hour on Mon 06 April including this M24 transmission;

|       |              |        |  |      |     |
|-------|--------------|--------|--|------|-----|
| 17483 | 1220z        | 06 Apr | 392 (140 56) = 58282.....etc (very fast)             | RNGB | MON |
|       | 1220 - 1229z | 07 Apr | 392 (174 50) = 78683 ... 63924 = 174 50 00000 Strong | JkC  | TUE |
|       | 1220-1225z   | 08 Apr | NRH  | JkC  | WED |

Jim (JkC) caught a different msg on the same sched the following day - Tue 07 April, before commenting that whatever was going on with the S06/M24 H+:20 skeds appears to be over/suspended, as all NRH on Wed 08 April.

**M94** CW, MCW, partner station to V24 Virtually unheard in Europe so we rely on our American monitors

No reports since Nov 2013. Believed to have ceased transmissions.

**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 is still quite variable - fading now as spring arrives.

Not heard since 18 Dec 2013, we were beginning to have doubts over this station returning. However, true to form it has surprised us again with another burst of activity after an absence of over three months. There is still no new message as each transmission is still sending the SD84 message three times - a message that was first heard in August 2013.

The irregularity of these transmissions along with the continuous use of the same message sent over & over again is both puzzling & intriguing. There must surely be some reason behind all this - or why else would they bother?

|       |              |        |   |                            |       |     |
|-------|--------------|--------|---|----------------------------|-------|-----|
| 10375 | 1457 - 1518z | 26 Mar | SD84 SN58                               | Fair Sig into S.E. England | BR    | THU |
| 10375 | 1454 - 1515z | 27 Mar | SD84 SN58                               | Fair Sig into S.E. England | BR/ES | FRI |
| 10375 | 1454 - 1515z | 08 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | WED |
| 10375 | 1454 - 1515z | 09 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | THU |
| 10375 | 1454 - 1515z | 10 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR/ES | FRI |
| 10375 | 1454 - 1515z | 13 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | MON |
| 10375 | 1454 - 1515z | 14 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | TUE |
| 10375 | 1454 - 1515z | 15 Apr | (Not Monitored - Possible transmission) |                            |       | WED |
| 10375 | 1454 - 1515z | 21 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | TUE |
| 10375 | 1454 - 1515z | 22 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | WED |
| 10375 | 1454 - 1515z | 23 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | THU |
| 10375 | 1454 - 1515z | 27 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | MON |
| 10375 | 1454 - 1515z | 28 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | TUE |
| 10375 | 1454 - 1515z | 29 Apr | SD84 SN58                               | Weak Sig into S.E. England | BR    | WED |

# **Morse Stations - Not Number Related**

**M51** XIX

|      |            |        |   |                 |    |     |
|------|------------|--------|---|-----------------|----|-----|
| 6825 | 1457z (IP) | 22 Apr | NR 85 A 22 17:05:16 2015 BT etc. (5 ltr grps) | Ceased by 1514z | BR | WED |
|------|------------|--------|---|-----------------|----|-----|

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

|            |              |        |                |              |               |              |                            |    |     |
|------------|--------------|--------|----------------|--------------|---------------|--------------|----------------------------|----|-----|
| 3881//6825 | 1130 - 1211z | 20 Apr | Lundi-Lecon    | 21-1/1 Codé  | 21-1/2 Clair, | 21-1/3 Codé, | 21-1/4 Clair (420 grps/hr) | BR | MON |
|            | 1130 - 1200z | 21 Apr | Mardi-Lecon    | 22-1/1 Codé  | 22-1/2 Clair, | 22-1/3 Codé, | 22-1/4 Clair (600 grps/hr) | BR | TUE |
|            | 1130 - 1205z | 22 Apr | Mercredi-Lecon | 23-1/1 Codé, | 23-1/2 Clair, | 23-1/3 Codé, | 23-1/4 Clair (720 grps/hr) | BR | WED |
|            | 1130 - 1156z | 23 Apr | Jeudi-Lecon    | 24-1/1 Codé, | 24-1/2 Clair, | 24-1/3 Codé, | 24-1/4 Clair (840 grps/hr) | BR | THU |
|            | 1130 - 1202z | 24 Apr | Vendredi-Lecon | 25-1/1 Codé  | 25-1/2 Clair, | 25-1/3 Codé, | 25-1/4 Clair (960 grps/hr) | BR | FRI |

**M89** O

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

# **Operator Chat from M89**

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

|      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|-------|
| 3264 | 4080 | 5081 | 5380 | 6320 | 7511 | 8032 | 10210 |
| 3336 | 4111 | 5124 | 5432 | 6666 | 7706 | 8048 | 10340 |
| 3654 | 4122 | 5134 | 5478 | 6688 | 7777 | 8084 | 10728 |
| 3695 | 4130 | 5152 | 5555 | 6741 | 7788 | 8888 | 10859 |
| 3797 | 4178 | 5174 | 5557 | 6796 |      |      |       |
| 3798 | 4340 | 5181 | 5566 | 6838 |      | 9126 | 14350 |
|      | 4371 | 5225 | 5567 | 6853 |      | 9393 | 14661 |
|      | 4581 | 5233 | 5678 | 6958 |      |      |       |

|      |      |      |      |
|------|------|------|------|
| 4608 | 5291 | 5692 | 6996 |
| 4623 | 5319 | 5749 |      |
| 4678 | 5323 | 5751 |      |
| 4843 | 5324 | 5780 |      |
| 4969 | 5332 |      |      |

#### New Schedules for Mar/Apr 2015:

#### From logs submitted from JPL

|                   |                                 |                    |   |
|-------------------|---------------------------------|--------------------|---|
| <u>3757//4532</u> | New freq for RIS9               | First heard 07 Mar | V M8JF (x3) DE RIS9 (x2) (See notes in log) |
| <u>3642//NRH</u>  | Round Slip changed slightly     | First heard 02 Apr | V DGG6 (x3) DE 3A7D (x2)                    |
| <u>3642//5801</u> | New Pairing for this Round Slip | First heard 11 Apr | V DKG6 (x3) DE 3A7D (x2)                    |
| <u>4857//NRH</u>  | New Frequency & Round Slip      | First heard 30 Apr | V TY9D (x3) DE EPX2 (x2) V                  |

#### Chart of M89 Freq & Call signs heard in Mar/Apr 2015

#### New Schedules shown in Bold Type

| <u>Freq in KHz</u> | <u>Call Slip</u>  |
|--------------------|---|
| 3300//NRH          | V MW3D (x3) DE 2SLC (x2)                                    |
| 3642//NRH          | V DKG6 (x3) DE 3A7D (x2)<br>V <b>DGG6</b> (x3) DE 3A7D (x2) |
| <b>3642//5801</b>  | V DKG6 (x3) DE 3A7D (x2)                                    |
| 3642//7602         | V DKG6 (x3) DE 3A7D (x2)<br>V <b>DGG6</b> (x3) DE 3A7D (x2) |
| <b>3757//4532</b>  | V M8JF (x3) DE RIS9 (x2)                                    |
| 3777//4532         | V M8JF (x3) DE RIS9 (x2)                                    |
| 3821//5644         | V DKSL (x3) DE ALSK V (x2)                                  |
| 4131//NRH          | V JKDJ (x3) DE SLBC (x2)                                    |
| 4225//NRH          | V 7NPE (x3) DE QV5B (x2)                                    |
| 4532//NRH          | V M8JF (x3) DE RIS9 (x2)                                    |
| <b>4857//NRH</b>   | <b>V TY9D (x3) DE EPX2 (x2) V</b>                           |
| 4860// 6840        | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?                    |
| 5177//NRH          | V JKDJ (x3) DE SLBC (x2)                                    |
| 5500//NRH          | V 7NPE (x3) DE QV5B (x2)                                    |

| <u>Freq in kHz</u> | <u>Call Slip</u>  |
|--------------------|---|
| 5500//8110         | V 7NPE (x3) DE QV5B (x2)                                      |
| 5588//NRH          | V MW3D (x3) DE 2SLC (x2)                                      |
| 5644//NRH          | V DKSL (x3) DE ALSK V (x2)<br><b>V DKIL (x3) DE ALSK (x2)</b> |
| 5801//10180        | V DKG6 (x3) DE 3A7D (x2)                                      |
| 6793//8060         | V M8JF (x3) DE RIS9 (x2)                                      |
| 6421//9131         | V DKSL (x3) DE ALSK (x2) V                                    |
| 6840//NRH          | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K                    |
| 6840//10640        | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K                    |
| 8060//NRH          | V M8JF (x3) DE RIS9 (x2)                                      |
| 8073//NRH          | BNGC (x3) DE XSV85 (x2)                                       |
| 8110//NRH          | V 7NPE (x3) DE QV5B (x2)                                      |
| 9131//NRH          | V DKSL (x3) DE ALSK (x2) V                                    |
| 9131//10947        | V DKSL (x3) DE ALSK (x2) V                                    |
| 10180//NRH         | V DKG6 (x3) DE 3A7D (x2)                                      |

*Courtesy JPL*

#### Oddities

PoSW reports on this unusual appearance of a 'C' Beacon on 12044kHz.

**Single Letter Transmission:-** Not the usual Morse groups but something unusual so always worth reporting:-

**11-Mar-15, Wednesday:- 0906 UTC, 12044 kHz, very strong CW letter "C" inside the 25 metre broadcast band.**

Style and speed similar to those well known "SLT clusters" sitting on various parts of the short wave spectrum, but this was a "C" on its own. Drew attention to itself because it was so strong, not many broadcasters on in the 25 metre band at this time of the day and the few that could be heard were much weaker signals. I checked it out about every half hour or so throughout the morning, it was still going strong at 1130 UTC but had gone when checked shortly after 1200. Not heard since.

#### **'B' Marker on 5292.3kHz**

**5292.3 2218z 08 Mar 'B' Marker (IP - Machine sent - Cont'd) (Remote tuner Siberia) JPL SUN**

A short recording of this marker, sending 'B' (but occasionally 'D'), can be found in the 'Samples' - 'Oddities & Misc' section on the ENIGMA 2000 website.

**Ary writes;**

This is the channel marker of a Russian Central Military Command station in N.W. Russia. They are on 5292 USB for voice traffic and the collective call-sign that they are using is Fazan 37. The station is not new but the marker was only introduced last month. The marker is "B" but often sends "D", probably a technical glitch.

**S32 'Squeaky Wheel'**

Ary (AB) reported Russian command centre Rostov (S32) on 7009 USB with its "Squeaky Wheel" marker at 1428z on Friday 24 April, (Thanks to Peter for the tip). Manolis further added that the transmission ended at 1538z.

This part of the band is reserved exclusively for radio amateur use, but always seems to suffer intrusions, particularly at the lower end of the band. The Russian cluster beacons have historically always used the portion of the band between 7038 - 7039kHz.

**Contributors:** AB, AnonUS, BR, Daniel/AR, DanielE2kde, E.Smith, HFD, JkC, JPL, Manolis, PLdn, PoSW, Spectre, T! *Thank you all for your logs.*

**Voice Stations****E06****E06 March/April log:****First/Third Thursday of month 2030z 5186kHz**

02 & 16/04 '891' 237 20 37839 35787 98273 60187 16202 95625 31691 52538 61025 22567 93296 67423 40968 16891  
63781 34820 04842 60491 75924 04594 00000

**Friday following First / Third Thursday 2130z 5197kHz**

06/03 '634' 921 20 14259 ... 12250 921 20 00000 2137z Strong QRM2 QSB1 JkC FRI Repeat  
03/04 '634' 921 20 14259 22676 32782 32782 76723 89409 12215 74326 64070 90235 38085 59543 12319 74238 36664 12256 18841  
73311 98089 12250 00000 (Same old message!)  
17/04 '634' 921 20 14259 ... 12250 921 20 00000 2137z Very Strong QRM1 QSB1 JkC FRI

**First /Third Thursday (repeats Friday) 0600z 16230kHz 0700z 19325kHz**

05 & 19/03  
'864' 397 102 76311 78952 62488 68734 54091 23901 95104 09484 36103 82388 02624 87232 49329 89592 37273 19924 41557 52297 47202 94478 53223  
76864 60100 03705 95218 26994 15728 27737 49828 97202 77073 08540 37017 12964 74802 90922 13220 93447 64699 28486 94851 37791 02780 77950 23705  
20847 67776 30310 16430 09340 85661 52222 65284 34365 35920 36108 82347 81183 44242 82367 04363 82229 91332 62171 00431 24285 92515 34245 49707  
05745 27832 14106 81317 04925 27314 19173 93661 45338 41119 38194 95297 68881 49215 98428 34606 52872 90305 29018 10396 31864 14683 43990 80667  
10194 90686 93324 11706 76185 19473 55526 34683 53944 00000 0621z

**0500z kHz ? 0600z 17470kHz**

02 & 16 /04 '951' 264 108  
22574 65048 42344 27436 79303 71472 05423 22970 85917 82993 36438 50852 18184 52650 46557 11685 78908 65928 95502 40581 01149 50590 09467 80381  
33558 97152 52242 81090 56304 32198 60525 20103 00976 11703 79306 22933 72946 26571 58299 89107 99609 37567 95346 52926 52927 81828 37727 33773  
19742 18146 77321 55669 18269 03204 00553 40741 84228 15962 79053 06319 75033 72372 11999 20316 65491 97617 56028 94614 33440 48046 03705 21115  
58763 00015 96453 80151 84229 47804 82899 75964 11575 77807 58562 78900 31286 11178 47833 79049 09504 32115  
14170 80984 80501 43991 09460 94312 18160 20487 98473 99703 84890 43943 19362 95102 81432 48106 66113 51803  
264 108 00000

**Unscheduled:****18428/16089 kHz 0630/0730z 11124/9189 kHz 1730/1830z**

01/03 '952' 407 156 40317 68166 79297 55730 73553 24776 35484 07347 09945 22798 28480 99537 70937 47757  
52383 10201 58000 41936 68291 68226 07649 23242 17374 12647 55942 51434 70773 35869 23387 96408 89754 78174 56194 88211 94545 65679 84813 53485  
65307 08932 85697 68026 23672 04351 57224 80142 68284 05678 45714 84499 62781 57639 82486 51144 99655 09000 17886 39388 88431 47201 63217 51246  
41597 21769 76534 04108 56727 48677 53208 27343 18234 12855 07219 12509 67187 11030 54109 71869 12633 02086 31538 84895 82861 57130 18361 37445  
40046 26459 38190 83303 06702 65593 58366 82776 77399 87600 20271 98021 14171 33860 61928 49803 49038 80479 18832 65364 42117 22541 13926 72095  
68718 03367 72686 16697 33891 80994 24242 14507 37848 49044 74459 58707 40707 54168 61947 44066 99980 77269 32899 84930 79265 70681 95728 32134  
51555 68484 41425 18524 45619 12163 40566 87792 08891 58776 52935 86286 85290 63837 10665 22501 31429 56090 60862 23934 19635 46360 00000 0702z

**SUN**

Used 9179kHz at 1830z

**13433/10166kHz 04/03 1740/1840z on with ID 634 JkC TUE**

'634' 281 53  
48920 05270 27047 37808 12147 87303 68142 19164 53856 31587 38527 50341 98416 54654 64029 32026 31075 48462 13591 92749 37605 73976 74264 17643  
72614 23272 90171 97514 15607 08369 30390 67386 59735 54085 35709 35210 24705 46848 29737 65645 74513 38145 06346 59027 94263 57934 81619 72524  
47289 36480 18431 41587 97568  
281 53 00000

**11114kHz 1142z 03/03 [I/P ... LG 20781 719 58 00000] 1144z Strong QRM1 QSB1 JkC TUE****14947kHz 1230z 03/03 [325 719 58 72180 ... 20781 719 58 00000] 1144z Strong QRM1 QSB1 JkC TUE transcript**

'325' 719 58  
72180 35096 10201 79236 07212 56306 13418 08273 53603 60649 50376 15156 32608 95746 35617 85013 39192 02126 91804 05696 79894 85972 31263 12708  
17408 46061 84980 86542 95671 9371524823 59375 25050 54795 04161 48047 47130 37595 74190 3419882532 17126 78202 09104 60932 78586 60909 75218  
47462 21907 68208 07560 75193 51082 60732 93169 91619 20781 719 58 00000 Repeated next day

19238kHz 1640z 04/03 [I/P ... LG 58310 135 44 00000] 1641z Strong QRM1 QSB1 JkC WED



16313kHz 1730z 04/03[826 135 44 19890 ... 58310 135 44 00000]1741z Strong QRM1 QSB1 JkC WED See transcript

19238kHz/16313kHz 1630z/1730z 04/03

826 135 44

19890 64215 28029 17381 32527 69323 19651 50516 89594 28479

37297 56719 51623 85065 35652 64352 69674 50743 70530 73707

56901 23860 34727 09615 91891 87218 68453 84252 56523 28907

73087 28020 27810 53073 95935 92843 20632 82062 49059 71784

51625 48942 24352 58310

135 44 00000

**19238kHz** 1640z 04/03 [I/P ... LG 58310 135 44 00000]1641z Strong QRM1 QSB1 JkC WED

**16313kHz** 1730z 04/03 [826 135 44 19890 ... 58310 135 44 00000] 1741z Strong QRM1 QSB1 JkC WED

## 2nd/4th Wednesday

**8116kHz** 1700z 11/03 [534 629 80 71897 ... 68198 629 80 00000] 1719z Strong QRM1 QSB1 JkC WED See transcript

**6802kHz** 1730z 11/03 [534 629 80 71897 ... 68198 629 80 00000] 1749z Strong QRM1 QSB1 JkC WED Low audio. Moved up 10kHz to avoid S06 on 6793kHz.

## Transcript

‘534’ 629 80

71897 29540 82390 83978 16945 93629 95060 10817 50901 67907

47269 17647 45785 48730 23525 89725 31615 51819 02576 10503

10912 36436 24913 94053 63925 02502 70616 31056 29795 68172

02587 29049 59041 96182 26262 70596 20872 82649 95264 28380

26121 10426 28916 05871 68065 79326 53813 93963 87373 75963

18598 92537 91614 80973 95154 45208 27259 01740 17351 35140

59296 36929 38279 80619 43523 05387 96873 82481 93912 87613

95015 32392 69545 92405 98396 36592 45980 19062 73639 68198

629 80 00000

**8116kHz 1700z** 25/03 [534 801 76 27689 ... 84309 801 76 00000] 1718z Strong QRM1 QSB1 JkC WED See transcript

**6792kHz 1730z** 25/03 [534 801 76 27689 ... 84309 801 76 00000] 1748z Strong QRM1 QSB1 JkC WED

‘534’ 801 76

27689 19479 05195 28538 38765 21570 29070 36035 83213 18394

61629 85657 73734 50756 97985 79538 52052 96767 76183 35463

38109 15409 42865 62909 09825 80729 26897 90863 75973 51080

15241 08418 07275 47014 17682 85052 75359 75717 27469 49181

67482 63629 18463 86105 10184 89820 23876 15090 54213 60396

41365 40829 23917 14905 71796 37459 50676 89612 52624 04862

35432 52062 52453 47353 95350 48946 02014 42149 32185 52721

04082 21628 96245 04680 51908 84309

801 76 00000

Thanks: RNGB, Ed Smith. JkC, Malc

**PoSW remarks on E06:** Somewhat more active than I had thought, a daily E06 schedule noted in the last days of February which survived into March, although only by a couple of days.

## Daily (Short-Lived) 1730 + 1830 UTC Schedule:-

26-Feb-15, Thursday:- 1741 UTC, 11,124 kHz, surprised to find E06 in progress with “full message” format. A chance discovery, I had tuned in to the third sending of an M12 CW

“725” on 11,491 kHz and while this was engaged in the two-minute preamble I took a quick tune around on a second receiver and found the E06, presumably having started on the half-hour. Forgot all about the M12, stayed with E06 which seemed as if it was going to go on for ever. Ended after 1801 UTC with, “608 608 151 151 00000”. Looked for a repeat at 1830 UTC, nothing found but probably because I did not search low enough in frequency.

27-Feb-15, Friday:- 1730 UTC, 11,124 kHz, calling “952”, DK/GC “147 147 153 153”, S6 to S7 with deep fading.

1830 UTC, 9,189 kHz, second second sending on the LF side of the 31 metre broadcast band, found about three minutes into the call-up. S7 to S8.

28-Feb-15, Saturday:- 1730 UTC, 11,124 kHz, call “952”, DK/GC “386 386 152 152”, S6 to S7 at first but had improved to S9 by 1740 UTC.

1830 UTC, 9,189 kHz, second sending, peaking well over S9. Looks like a daily schedule, I wonder how long this has been here?

1-Mar-15, Sunday:- 1730 UTC, 11,124 kHz, continues in March, “952” and “407 407 156 156”. S9 signal.

1830 UTC, 9,179 kHz, 10 kHz lower than previous loggings, second sending, S7 to S8.

2-Mar-15, Monday:- 1730 UTC, 11,124 kHz, call “952”, DK/GC “638 638 154 154”, signal strength up to S9.

1830 UTC, 9,189 kHz, second sending, S9.

And this was the last time this schedule appeared, not heard on Tuesday 3-March and subsequent days.

## A Wednesday Schedule:-

11-Mar-15:- 1700 UTC, 8,116 kHz, E06 calling “534”. This had been observed in the background of an S06 transmission “480” which had just started up on 7,827 kHz. No problem to find, S9 signal. DK/GC “629 629 80 80”. No repeat found but must have been there presumably, as it was when this one showed up again two weeks later.

25-Mar-15:- 1700 UTC, 8,116 kHz, looks like the second + fourth Wednesdays in the month,

call “534”, DK/GC “801 801 76 76”.

1730 UTC 6,792 kHz, second sending, surprised to find it on 6,792 because on the 11<sup>th</sup> the S06 which was on at the same time had the second transmission on 6,793 and I was unaware of any other transmission close to this frequency which in any case would have resulted in mutual interference, the S06 not on today. There is a very strong “XJT” churning away on the LF side of this frequency so perhaps the second E06 sending was on the other side of that.

Looks like second + fourth Wednesdays in the month but unable to find in April.

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

5-Mar-15:- 5,186 kHz, seasonal change from 4,836 used in the winter months, call "891", DK/GC "237 237 20 20", the message of twenty 5F groups which have been used many times by both E06 and G06 in their respective languages, "37839 35787 98273.....". S9 carrier, audio seemed to be somewhat low.

19-Mar-15:- 5,186 kHz, "891" and "237 237 20 20" again.

2-Apr-15:- 5,186 kHz, "891" and "237 237 20 20", so no change there, audio seemed low.

#### Friday 2130 UTC Following the First + Third Fridays in the Month:-

6-Mar-15:- 5,197 kHz, calling "634", may have started early, DK/GC well before 2134 UTC, "921 921 20 20", the 5Fs message the same as used many times over the past months, "14259 22676 32782 32782...", groups three and four the same. Carrier appeared to be greatly reduced but not fully suppressed, sounded fairly awful with the receiver in AM mode, much better in USB.

20-Mar-15:- "634" and "921 921 20 20" again, strong signal but again appeared to be reduced.

3-Apr-15:- 5,197 kHz, started about 40 seconds before the half-hour, "634" and "921 921 20 20", same 5Fs as in March.

### **E07**

Much as always, same frequencies as in past few years, the usual problems with low depth of modulation and for some reason often at least one transmission in a schedule located inside one or other of the short wave broadcast bands which can make readability even more of a problem. Moved by one hour in April, as expected, so still appears at the same local time in the UK summer months.

#### Sunday + Wednesday Schedule, 1800 UTC Start, 1700 UTC in April:-

1-Mar-15, Sunday:- 1800 UTC, 13,439 kHz, "417 417 417 000", S9 with reasonable audio.

1820 UTC, 12,139 kHz, second sending, heterodyne from carrier of strong BC station on 12,140, this being inside the internationally agreed 25 metre broadcast band.

4-Mar-15, Wednesday:- 1800 UTC, 13,439 kHz, "417 417 417 000", S9 with reasonable audio.

1820 UTC, 12,139 kHz, second sending flattened by the broadcaster on 12,140.

8-Mar-15, Sunday:- 1800 UTC, 13,439 kHz, "417 417 417 000", S9, audio low but readable.

15-Mar-15, Sunday:- 1800 UTC, 13,439 kHz, "417 417 417 1" for a full message, DK/GC "665 50" x 2, S9+ with better than usual audio.

1820 UTC, 12,139 kHz, audio better than on past occasions, reasonable copy with the receiver in LSB mode to suppress the BC station 1 kHz up.

1840 UTC, 10,739 kHz, third sending, audio lower than first two.

22-Mar-15, Sunday:- 1800 UTC, 13,439 kHz, "417 417 417 000", over S9, audio low.

1-Apr-15, Wednesday:- 1700 UTC, 14,603 kHz, "641 641 641 000", S9, audio low but readable.

1720 UTC, 13,403 kHz, second sending, also with low audio.

19-Apr-15, Sunday:- 1720 UTC, 13,403 kHz, "641 641 641 000", S9 with reasonable audio.

#### Monday + Wednesday Schedule, 2000 UTC Start, 1900 UTC in April:-

2-Mar-15, Monday:- 2000 UTC, 9,273 kHz, "288 288 288 000", S9 with reasonable audio.

2020 UTC, 7,873 kHz, second sending, also S9.

16-Mar-15, Monday:- 2000 UTC, 9,273 kHz, and 2020 UTC, 7,873 kHz, both S9 with reasonable audio, "288 288 288 000".

23-Mar-15, Monday:- 2000 UTC, 9,273 kHz, calling "288 288 288 1" for a full message, DK/GC "550 38" x 2, S9 with deep QSB, reasonable audio.

2020 UTC, 7,873 kHz, second sending, S9, reasonable audio.

2040 UTC, 6,873 kHz, third sending, audio level lower than first two transmissions.

1-Apr-15, Wednesday:- 1900 UTC, 12,108 kHz, moved by one hour UTC with the start of summertime so still starts at 8 PM UK time. "172 172 172 000", S9, audio low but readable.

1920 UTC, 10,708 kHz, second sending, also with low audio level.

6-Apr-15, Monday:- 1900 UTC, 12,108 kHz - or rather about 30 seconds past the hour, strong carrier on 12,108 when tuned in a couple of minutes before the hour, suddenly vanished just before expected start-up time, returned approx 30s past 1900 UTC and started "full message" call-up, "172 172 172 1", DK/GC "3424 85" x 2. Peaking well over an indicated S9 with somewhat better than usual audio.

1920 UTC, 10,708 kHz, second sending, slightly weaker than first transmission.

1940 UTC, 9,208 kHz, third sending, back up to S9.

8-Apr-15, Wednesday:- 1900 UTC, 12,108 kHz, "172 172 172 1", DK/GC "3424 85" x 2, same as on Monday.

1920 UTC, 10,708 kHz, second sending, over S9 with reasonable audio.

1940 UTC, 9,208 kHz, third sending swamped by a strong wide-band pulse signal or low frequency "buzz" extending from about 9,195 to 9,220 kHz, over-the-horizon radar, perhaps, or who knows what?

15-Apr-15, Wednesday:- 1900 UTC, 12,108 kHz, and 1920 UTC, 10,708 kHz, both S9 with reasonable audio, "172 172 172 000".

22-Apr-15, Wednesday:- 1900 UTC, 12,108 kHz, "172 172 172 000", over S9 with reasonable audio.

1920 UTC, 10,708 kHz, second sending, also over S9.

#### Thursday Schedule, 2110 UTC Start, 2010 UTC in April:-

5-Mar-15:- 2110 UTC, 7,516 kHz, "584 584 584 000", low audio, strong broadcaster on 7,520 kHz close enough to cause side-band splash problems.

2130 UTC, 5,836 kHz, second sending, much better copy, over S9 on a clear frequency.

12-Mar-15:- 2110 UTC, 7,516 kHz, “584 584 584 000”, low audio, BC interference making things even worse.  
2130 UTC, 5,836 kHz, much better, S9 with reasonable audio.

2-Apr-15:- 2010 UTC, 9,387 kHz, “358 358 358 000”, difficult copy, low audio and, as was the case with the frequency used in March, a strong broadcaster on a close frequency, 9,390 kHz in this instance.  
2030 UTC, 7,526 kHz, second sending, much better copy.

### March 2015

#### Sunday/Wednesday

| 1800z   | 13419kHz                             | 1820z       | 12139kHz | 1840z | 10739kHz |
|---|--------------------------------------|-------------|----------|-------|----------|
| 04/03   | 417 000                              | [1829z NRH] |          |       | Strong   |
| 08/03   | 417 000                              |             |          |       | Strong   |
| 11/03   | 417 1 665 50 62598 ... 83332 000 000 |             |          |       | Strong   |
| 417 1 665 50<br>62598 55045 83042 68947 67834 70313 61913 04508 85733 90608<br>38037 62012 38953 81500 11088 02549 50672 35966 45702 32696<br>47757 57899 98689 20080 73487 41248 86445 87923 66408 68083<br>31396 22373 61559 86405 78290 88152 27957 79524 92388 99191<br>31356 00581 84199 86221 78111 64059 67922 71066 56662 83332<br>000 000<br><i>Courtesy JkC</i>   |                                      |             |          |       |          |
| 15/03   | 417 1 665 50 62598 ... 83332 000 000 |             |          |       | Strong   |
| 18/03   | 417 000                              |             |          |       | Strong   |
| 22/03   | 417 000                              |             |          |       | Strong   |
| 25/03   | 417 1 273 89 13676 ... 83291 000 000 |             |          |       | Strong   |
| 417 273 89<br>13676 13592 34016 99213 84281 65111 79684 02906 24935 74171<br>31584 79070 46974 79771 68496 97892 33107 64636 70947 50880<br>05273 48955 23000 13546 35906 87011 97220 98620 57079 03482<br>20304 42019 12967 27292 22030 30755 63178 34576 23518 78335<br>44352 00138 00525 69752 73366 62299 75082 71367 22403 47339<br>72054 38713 03905 66543 90461 72782 02624 48195 88770 89415<br>49161 54846 38401 91865 23119 65000 87851 63879 33385 71630<br>88172 38599 90385 23717 50823 37367 53850 97239 90462 09726<br>19241 68810 12890 58848 32495 53153 13692 82653 83291<br>000 000<br><i>Courtesy JkC</i> |                                      |             |          |       |          |
| 29/03   | 417 1 273 89 13676 ... 83291 000 000 |             |          |       | Strong   |

### April 2015

#### Sunday/Wednesday

| 1700z | 14603kHz | 1720z | 13403kHz | 1740z | 12103kHz |
|-------|----------|-------|----------|-------|----------|
| 05/04 | 641 000  |       |          |       | Strong   |
| 12/04 | 641 000  |       |          |       | Strong   |
| 15/04 | 641 000  |       |          |       | Weak     |
| 19/04 | 641 000  |       |          |       | Fair     |
| 22/04 | 641 000  |       |          |       | Strong   |

### March 2015

#### Monday/Wednesday

| 2000z   | 9273kHz                              | 2020z | 7873kHz | 2040z | 6873kHz |
|---|--------------------------------------|-------|---------|-------|---------|
| 04/03   | 288 000                              |       |         |       | Fair    |
| 09/03   | 288 1 830 57 24046 ... 37527 000 000 |       |         |       | Strong  |
| 288 1 830 57<br>24046 76980 11286 84449 96499 08461 31262 76551 01563 21028<br>94938 42646 85548 74635 04558 60378 28977 80978 05590 83416<br>05578 18832 92728 56005 49323 07800 46349 51028 23056 06591<br>31815 82317 02261 93547 92838 30550 54016 16701 53669 35541<br>53808 39443 46818 68582 50384 85692 47375 35628 90398 95286<br>77008 74864 12352 50860 43861 13297 37527<br>000 000 |                                      |       |         |       |         |
| Courtesy JkC  |                                      |       |         |       |         |
| 11/03   | 288 1 830 57 24046 ... 37527 000 000 |       |         |       | Strong  |
| 16/03   | 288 000                              |       |         |       | Strong  |

|  |   |              |                 |              |                 |                |
|--|---|--------------|-----------------|--------------|-----------------|----------------|
| 25/03  | 288 1 550 38 91958 ... 13397 000 000  | Strong       |                 |              |                 |                |
|  | 288 1 550 38<br>91958 92676 09448 45435 63412 56075 28288 01658 67043 53328<br>19704 05755 07912 47941 17332 95274 56664 85718 55616 89388<br>80524 50744 13997 36411 39451 20255 48744 89614 64779 24575<br>41217 58517 98040 62079 63120 86354 05407 13397<br>000 000 <i>Courtesy JkC</i>   |              |                 |              |                 |                |
| 30/03  | 288 000   | Strong       |                 |              |                 |                |
| <b>April 2015</b>                                    |   |              |                 |              |                 |                |
| <b>Monday [New schedule]?</b>                        |   |              |                 |              |                 |                |
| 9064kHz0600z   | 20/04[024 1 111 78 95024 ... 79830 000]0610z  | Strong       | QRM1            | QSB1         | JkC             | MON            |
| 10264kHz0620z  | 20/04[024 1 111 78 95024 ... 79830 000]0630z  | Strong       | QRM1            | QSB1         | JkC             | MON            |
| 11464kHz0640z  | 20/04[024 1 111 78 95024 ... 79830 000]0650z  | Strong       | QRM1            | QSB1         | JkC             | MON            |
|  | E07 9064kHz/10264kHz/11464kHz 0600z/0620z/0640z 20/04<br>024 1 111 78<br>95024 42178 59925 21857 95704 52980 29361 58374 40038 67341<br>66507 57483 25823 75122 40348 02040 26797 87443 18472 24920<br>11705 41444 71252 66248 65365 58867 96875 43312 40593 30100<br>15701 56960 62525 35661 48649 56457 44465 27362 03227 83395<br>12278 96661 65572 18846 04011 33420 22710 36794 00377 82803<br>75299 15444 13015 49844 03285 64395 79676 59731 05936 18999<br>42042 08256 72724 79193 18991 06269 61549 35989 71421 75991<br>63382 69036 89496 90725 75745 49764 10528 79830<br>000 000 <i>Courtesy JkC</i>                  |              |                 |              |                 |                |
| <b>Monday/Wednesday</b>                              |   |              |                 |              |                 |                |
| <b>1900z</b>   | <b>12108kHz</b>   | <b>1920z</b> | <b>10708kHz</b> | <b>1940z</b> | <b>9208kHz</b>  |                |
| 06/04  | 172 1 3424 85 24207 ... 08627 000   |              |                 |              |                 | Strong         |
|  | E07 12108kHz 1900z 06/04<br>172 1 3424 85<br>24207 47955 06136 61402 05681 19546 52078 56557 16286 55490<br>64871 34241 41747 92907 95896 37425 67134 24477 89944 57673<br>33793 06570 47974 12042 42814 67253 70689 61630 67155 30930<br>63221 89271 23680 25061 36149 22860 70040 55564 60681 12114<br>47578 20709 77141 15991 42810 11491 31018 92552 39619 65148<br>57906 50746 81068 45910 51672 94530 36691 40746 12642 76272<br>36755 49263 32071 79749 91733 21071 35345 66161 10677 40879<br>90522 05085 26080 83632 42709 91134 73966 44669 78296 10055<br>86559 04264 41909 43939 08627<br>000 000 <i>Courtesy JkC</i> |              |                 |              |                 |                |
| 13/04  | 172 000   |              |                 |              |                 | Weak           |
| 15/04  | 172 000   |              |                 |              |                 | Weak           |
| 20/04  | 172 1 297 53 99489 ... 50351 000 000  |              |                 |              |                 | Strong         |
|  | 172 1 297 53<br>99489 25032 22968 37302 84275 47996 66868 79417 22613 47699<br>99213 89776 08764 07427 16406 15950 42546 17485 82029 29651<br>47410 90770 13588 53784 12577 04756 36871 56843 46903 83481<br>75943 75491 47512 05086 70416 05892 21433 33169 37901 53262<br>28530 90180 67911 09196 67688 67380 84834 98536 14600 79937<br>10983 90050 50351<br>000 000 <i>Courtesy JkC/Hagerman</i>  |              |                 |              |                 |                |
| 22/04  | 172 000   |              |                 |              |                 | Strong         |
| <b>March 2015 [Believed to be a special sending]</b> |   |              |                 |              |                 |                |
| <b>1300z</b>   | <b>12216kHz</b>   | <b>1320z</b> | <b>13508kHz</b> | <b>1340z</b> | <b>14741kHz</b> | <b>NEW USB</b> |
| <b>Thursday</b>                                      |   |              |                 |              |                 |                |
| 19/03  | 257 1 4446 66 95415 ... 12858 000 000   |              |                 |              |                 | Strong         |
|  | E07 12216kHz/13508kHz/14741kHz 1300z/1320z/1340z 19/03<br>257 1 4446 66<br>95415 03741 37471 05805 21863 56073 33805 76178 52956 69288<br>68203 66782 88657 10720 08529 64237 87715 75563 04725 44323<br>80330 23227 85099 79779 96985 76751 29881 54400 20267 77962<br>28990 64283 38136 03827 36476 38448 13085 10114 02093 29747<br>49202 13946 55645 26521 53022 98295 37994 92779 21272 29739<br>10853 03708 31626 22319 08826 60860 86687 02791 35704 35984<br>58814 41263 10502 23518 11479 12858<br>000 000 <i>Courtesy JkC, Spectre</i>  |              |                 |              |                 |                |

**1400z 12216kHz 1420z 13508kHz 1440z 14741kHz NEW USB**  
**Thursday**

19/03 257 1 1455 51 55723 ... 91311 000 000 Strong

E07 12216kHz/13508kHz/14741kHz 1400z/1420z/1440z 19/03  
 257 1 1455 51  
 55723 26048 44391 19030 58134 62109 44535 48174 14629 48278  
 42865 72739 24879 55048 73178 27793 87056 59335 99043 08526  
 22246 36591 75664 83246 38946 13813 79408 55476 90820 62580  
 77388 32971 31730 78650 32334 22812 49444 28241 58602 38850  
 36577 78667 98867 04341 64603 58931 91030 35013 16548 60023  
 91311  
 000 000  
*Courtesy JkC, Spectre*

**March 2015**  
**Thursday**

**2110z 7516kHz 2130z 5836kHz 2150z 4497kHz**  
 05/03 584 000 [2110z NRH BCQRM5] Strong  
 12/03 584 000 Strong

**April 2015**  
**Thursday**

**2010z 9387kHz 2030z 7526kHz 2050z 5884kHz**  
 02/04 358 000 Strong  
 09/04 358 000 Weak  
 16/04 358 000 [2010z BCQRM5] Weak, readable  
 23/04 358 000 Fair

**On E07a PoSW logs reflect the findings of other correspondents:**

As with the AM E07 moves by one hour in April so still starts at the same local time when the clocks change for summer. In April the Wednesday evening UK time changed frequencies - but not to the expected ones.

Wednesday Schedule, 2100 UTC Start, 2000 UTC in April:-

4-Mar-15:- 2100 UTC, 5,877 kHz, “825 825 825 000”, S9+ SSB signal.  
 2120 UTC, 5,277 kHz, second sending, also strong signal.

18-Mar-15:- 2100 UTC, 5,877 kHz, “825 825 825 1 38278” for a “full message”, DK/GC “487 79” x 2.  
 2120 UTC, 5,277 kHz, second sending.

2140 UTC, 4,577 kHz, third sending, all three transmissions somewhat weaker signals than is usual, still strong enough but not the “needle against the stop” which is standard for this schedule.

Frequencies used in April were not those expected; in the past this month has always seen a change to 8,173 + 7,473 + 5,773 kHz, call “147”.  
 Nothing heard at 2000 UTC on 8,173 when checked at 2000 UTC, 9PM BST, on the second Wednesday in April. It turns out frequencies have moved somewhat lower:-

8-Apr-15:- 2004 UTC, 8,144 kHz, transmission found in progress, S9+ very strong SSB signal, ended “000 000” just before 2009 UTC.  
 2020 UTC, 6,944 kHz, “197 197 197 1 38278”, DK/GC “487 79”, S9+.  
 2040 UTC, 5,744 kHz, third sending, also S9+.

22-Apr-15:- 2000 UTC, 8,144 kHz, and 2020 UTC, 6,944 kHz, both S9+, “197 197 197 000”.

Saturday Schedule, 0900 UTC, 0800 UTC in April:-

7-Mar-15:- 0900 UTC, 11,133 kHz, “114 114 114 000”, S5 to S6.

0920 UTC, 12,133 kHz, second sending, slightly stronger signal. Same frequencies as in March last year, in event of a “full message” we may confidently predict a 0940 UTC on 13,433 kHz.

14-Mar-15:- 0900 UTC, 11,133 kHz, “114 114 114 1 33037” for a full message, DK/GC “1740 61” x 2, weak SSB signal.

0920 UTC, 12,133 kHz, second sending, much stronger signal, up to S8.

0940 UTC, 13,433 kHz, third sending on the expected frequency, also peaking S8.

28-Mar-15:- 0900 UTC, 11,133 kHz, and 0920 UTC, 12,133 kHz, “114 114 114 000”.

4-Apr-15:- 0800 UTC, moved by one hour with the start of British Summer Time, 12,218 kHz, “244 244 244 000”, S7 SSB signal.  
 0820 UTC, 13,418 kHz, second sending, much weaker signal, hardly moving the “S” meter.

11-Apr-15:- 0800 UTC, 12,218 kHz, “244 244 244 1 16551” for a “full message”, DK/GC “3189 67” x 2. Signal strength S6.

0820 UTC, 13,418 kHz, second sending, S4 to S5 at best.

0840 UTC, 14,418 kHz, third sending, weak signal down in the noise.

18-Apr-15:- 0800 UTC, 12,218 kHz, “244 244 244 000”, signal strength S6.

0820 UTC, 13,418 kHz, second sending, S7 to S8.

25-Apr-15:- 0800 UTC, 12,218 kHz, “244 244 244 000”, S8.  
0820 UTC, 13,418 kHz, second sending, about the same strength as the 0800 transmission.

**E07a**  
**March 2015**  
**Wednesday**

| 2100z | 5877kHz                                     | 2120z | 5277kHz | 2140z           | 4577kHz |                  |
|-------|---|-------|---------|-----------------|---------|------------------|
| 04/03 | 825 000                                     |       |         |                 |         | Very strong      |
| 11/03 | 825 1 67178 6120 93 78727 ... 59704 000 000 |       |         |                 |         | Extremely strong |
| 18/03 | 825 1 38278 487 79 60350 ... 71872 000 000  |       |         | [2140z XJTQRM3] |         | Very strong      |
| 25/03 | 825 000                                     |       |         |                 |         | Extremely strong |

**April 2015 [NEW FREQUENCIES]**  
**Wednesday**

| 2000z | 8144kHz                                     | 2020z | 6944kHz | 2040z | 5744kHz |             |
|-------|---|-------|---------|-------|---------|-------------|
| 01/04 | 172 000                                     |       |         |       |         | Strong      |
| 08/04 | 197 1 38278 487 79 60350 ... 71872 000 000  |       |         |       |         | Very strong |
| 15/04 | 197 1 67279 1848 57 47281 ... 67445 000 000 |       |         |       |         | Very strong |

197 1 67279 1848 57  
47281 80025 12640 47168 97458 52900 10749 74531 30327 91910  
04167 60277 99043 79778 25303 64594 83050 84864 99079 41128  
08165 97703 63931 33471 90589 48081 27419 57623 75845 10494  
08513 16030 05233 25079 07075 27668 16803 32591 13637 51774  
94299 28616 70054 89615 82404 87218 83573 86130 60866 82970  
93528 59025 65015 35060 32821 66015 67445  
000 000

*Courtesy JkC*

|       |         |  |  |  |  |             |
|-------|---------|--|--|--|--|-------------|
| 22/04 | 197 000 |  |  |  |  | Very strong |
|-------|---------|--|--|--|--|-------------|

**Thursday**  
**March 2015**

| 0530z | 6922kHz                                     | 0550z | 8122kHz | 0610z | 9322kHz |             |
|-------|---|-------|---------|-------|---------|-------------|
| 05/03 | 913 000                                     |       |         |       |         | Very strong |
| 12/03 | 913 1 67178 6120 93 78727 ... 59704 000 000 |       |         |       |         | Very strong |
| 19/03 | 913 1 38278 487 79 60350 ... 71872 000 000  |       |         |       |         | Very strong |
| 25/03 | 913 000                                     |       |         |       |         | Very strong |

**Thursday**  
**April 2015 [NEW FREQUENCIES]**

| 0430z | 6788kHz                                     | 0450z | 7488kHz | 0510z | 8188kHz |             |
|-------|---|-------|---------|-------|---------|-------------|
| 02/04 | 741 000                                     |       |         |       |         | Very strong |
| 09/04 | 741 1 38278 487 79 60350 ... 71872 000 000  |       |         |       |         | Very strong |
| 16/04 | 741 1 67279 1848 57 47281 ... 67445 000 000 |       |         |       |         | Very strong |
| 23/04 | 741 000                                     |       |         |       |         | Very strong |

**Friday**

| 1610z | 11473kHz                                    | 1630z | 10173kHz | 1650z | 9373kHz |                    |
|-------|---|-------|----------|-------|---------|--------------------|
| 06/03 | 413 000                                     |       |          |       |         | Very strong        |
| 13/05 | 413 1 33037 1740 61 38606 ... 05313 000 000 |       |          |       |         | Very strong, noisy |
| 20/03 | 413 000                                     |       |          |       |         | Very strong        |
| 27/03 | 413 000                                     |       |          |       |         | Very strong, noisy |

**Friday  
April 2015**

|  |   |       |          |       |          |             |
|--|---|-------|----------|-------|----------|-------------|
| 1510z  | 12174kHz                                    | 1530z | 11074kHz | 1550z | 10274kHz |             |
| 03/04  | 102 000                                     |       |          |       |          | Strong      |
| 10/04  | 102 1 16551 3189 67 69299 ... 87464 000 000 |       |          |       |          | Very strong |
| 102 1 16551 3189 67<br>69299 93239 58085 84194 80606 05426 94095 53723 00765 80021<br>09217 41168 71066 29524 13519 33920 02783 15907 70020 99047<br>67936 68475 85604 96809 01875 15609 47250 47411 77635 76144<br>94015 24952 85259 86793 31244 69387 63492 88065 75615 92138<br>20083 91620 23867 09063 94148 14009 19350 03186 34574 38412<br>69763 18255 51901 90781 13510 32899 02370 14665 92153 19081<br>91394 50662 09943 10796 04283 69030 87464<br>000 000 <i>Courtesy JkC, ES, Spectre</i> |   |       |          |       |          |             |
| 17/04  | 102 000                                     |       |          |       |          | Strong      |

**Saturday  
March 2015**

|              |   |              |                 |                   |                 |                    |
|--------------|---|--------------|-----------------|-------------------|-----------------|--------------------|
| <b>0900z</b> | <b>11133kHz</b>                             | <b>0920z</b> | <b>12133kHz</b> | <b>0940z</b>      | <b>13433kHz</b> |                    |
| 07/03        | 114 000                                     | [QRM3 0900z] |                 |                   |                 | Very strong        |
| 14/05        | 114 1 33037 1740 61 38606 ... 05313 000 000 |              |                 |                   |                 | Very strong, noisy |
| 21/03        | 114 000                                     |              |                 |                   |                 | Very strong        |
| 28/03        | 114 000                                     |              |                 | [0900z Very weak] |                 | Strong             |

**Saturday  
April 2015**

|              |   |              |                 |              |                 |                  |
|--------------|---|--------------|-----------------|--------------|-----------------|------------------|
| <b>0800z</b> | <b>12218kHz</b>                             | <b>0820z</b> | <b>13418kHz</b> | <b>0840z</b> | <b>14418kHz</b> |                  |
| 04/04        | 244 000                                     |              |                 |              |                 | Extremely strong |
| 10/04        | 244 1 16551 3189 67 69299 ... 87464 000 000 |              |                 | [Poor condx] |                 | Extremely weak   |
| 18/04        | 244 000                                     |              |                 |              |                 | Strong           |
| 25/04        | 244 000                                     |              |                 |              |                 | Very strong      |

**E11 log Mar/Apr**

|         |       |  |                |     |
|---------|-------|--|----------------|-----|
| 6304kHz | 0450z | 02/03 [416/00] Out 0453z Strong QRM2 QSB1    | JkC            | MON |
| 7377kHz | 2000z | 06/03 [576/00]                               | RNGB           | FRI |
|         | 2000z | 20/03 [576/00]                               | Gary H         | FRI |
|         | 2000z | 27/03 [576/00]                               | Gary H         | FRI |
|         | 2000z | 03/04 [576/00] Good                          | RNGB           | FRI |
|         | 2000z | 10/04 [576/00] Out 2003z S7                  | Malc           | FRI |
| 7449kHz | 1045z | 03/03 [469/00] Weak                          | RNGB           | TUE |
|         | 1045z | 10/03 [469/00] Out 1048z                     | Ed Smith       | TUE |
|         | 1045z | 11/03 [469/00]                               | Malc           | WED |
|         | 1045z | 17/03 [469/00]                               | RNGB           | TUE |
|         | 1045z | 30/03 [469/00] Out 1048z                     | Ed Smith       | TUE |
|         | 1045z | 08/04 [469/00] Weak                          | RNGB           | WED |
|         | 1045z | 15/04 [469/00]                               | Ed Smith, Malc | WED |
| 7850kHz | 0315z | 04/03 [253/00] Out 0318z                     | Ed Smith       | WED |
|         | 0315z | 18/03 [253/00] Out 0318z Very Weak QRM1 QSB1 | JkC            | WED |
|         | 0315z | 25/03 [253/00] Out 0318z Fair BCQRM3 QSB1    | JkC            | WED |
|         | 0315z | 09/04 [253/00]                               | Ed Smith       | THU |
|         | 0315z | 09/04 [253/00] Out 0318z Very strong         | PLondon        | THU |
|         | 0315z | 15/04 [253/00] Out 0318z Fair QRM2 QSB1      | JkC            | WED |
|         | 0315z | 22/04 [253/00] Out 0318z Fair QRM2 QSB1      | JkC            | WED |
| 8102kHz | 1045z | 03/03 [576/00] Out 1050z (late start)        | Ed Smith, Malc | TUE |
|         | 1045z | 17/03 [576/00]                               | RNGB           | TUE |
|         | 1045z | 24/03 [576/00]                               | Ed Smith       | TUE |
|         | 1045z | 30/03 [576/00] Out 1048z                     | Ed Smith       | TUE |
|         | 1045z | 07/04 [576/00] Out 1048z                     | Ed Smith       | TUE |
|         | 1045z | 28/04 [576/00] Out 1048z S2                  | Malc           | TUE |

|          |       |   |                |     |
|----------|-------|---|----------------|-----|
| 8186kHz  | 2005z | 01/03 [363/00] Good                         | RNGB, Malc     | SUN |
|          | 2005z | 07/03 [363/00]                              | Gary H         | SAT |
|          | 2005z | 08/03 [363/00] Out 2008z S8                 | Malc, Gary H   | SUN |
|          | 2005z | 15/03 [363/00]                              | RNGB           | SUN |
|          | 2005z | 29/03 [363/00] Out 2008z S8                 | Malc           | SUN |
|          | 2005z | 04/04 [363/00] Out 2008z S9                 | Malc           | SAT |
|          | 2005z | 25/04 [363/00] Out 2008z S9                 | Malc           | SAT |
|          | 2005z | 26/04 [363/00] Out 2008z S5                 | Malc           | SUN |
| 8803kHz  | 0930z | 04/03 [270/00] Out 0933z                    | Ed Smith       | WED |
|          | 0930z | 05/03 [270/00] Out 0933z S2                 | Malc           | THU |
|          | 0930z | 11/03 [270/00] Out 0933z S2                 | Malc           | WED |
|          | 0930z | 12/03 [270/00] Out 0933z S2                 | Malc           | THU |
|          | 0930z | 25/03 [270/00] fair                         | RNGB           | WED |
|          | 0930z | 01/04 [270/00]                              | RNGB           | WED |
|          | 0930z | 09/04 [270/00] Out 0933z S3                 | Malc           | THU |
|          | 0930z | 15/04 [270/00] Out 0933z                    | Ed Smith       | WED |
|          | 0930z | 23/04 [270/00] Out 0933z S2                 | Malc           | THU |
| 9371kHz  | 1730z | 26/03 [416/00]                              | Gary H, Malc   | THU |
|          | 1730z | 02/04 [416/00]                              | RNGB           | THU |
|          | 1730z | 09/04 [416/00] Out 1733z S9                 | Malc           | THU |
|          | 1730z | 15/04 [416/00] Out 1733z Strong QRM1 QSB1   | JkC            | THU |
|          | 1730z | 30/04 [416/00] Out 733z S6                  | Malc           | THU |
| 9399kHz  | 0900z | 02/03 [534/00] Weak                         | RNGB, Malc     | MON |
|          | 0900z | 18/03 [534/00] Out 0903z                    | Ed Smith       | WED |
|          | 0900z | 25/03 [534/00] Fair                         | RNGB           | WED |
|          | 0900z | 30/03 [534/00] Weak                         | RNGB           | MON |
|          | 0900z | 01/04 [534/00]                              | RNGB           | WED |
|          | 0900z | 06/04 [534/00]                              | RNGB           | MON |
|          | 0900z | 08/04 [534/00]                              | Ed Smith       | WED |
|          | 0900z | 15/04 [534/00] Out 0903z S2                 | Malc           | WED |
| 9960kHz  | 0820z | 02/03 [438/00]                              | RNGB, Malc     | MON |
|          | 0820z | 05/03 [438/00] Out 0823z Strong             | BR             | THU |
|          | 0820z | 09/03 [438/00] Out 0823z S6                 | Malc           | MON |
|          | 0820z | 12/03 [438/00] Out 0823z S2                 | Malc           | THU |
|          | 0820z | 23/03 [438/00] Out 0923z S4                 | Malc           | MON |
|          | 0820z | 26/03 [438/00] Out 0823z S4                 | Malc           | THU |
|          | 0820z | 30/03 [438/00]                              | Malc           | MON |
|          | 0820z | 02/04 [438/00] Fair                         | RNGB           | THU |
|          | 0820z | 13/04 [438/00]                              | Malc           | MON |
|          | 0820z | 15/04 [438/00]                              | Ed Smith       | WED |
|          | 0820z | 23/04 [438/00] Out 0823z S2                 | Malc           | THU |
|          | 0820z | 30/04 [438/00] Out 0823z S2                 | Malc           | THU |
|          |       |   |                |     |
| 10213kHz | 1705z | 04/03 [392/00]                              | JkC            | WED |
|          | 0745z | 09/03 [262/00] Out 0748z                    | Ed Smith, RNGB | MON |
|          | 0745z | 16/03 [262/00] Strong                       | RNGB           | MON |
|          | 1705z | 25/03 [392/00] Out 1708z S9+10              | Malc           | WED |
|          | 1705z | 28/03 [392/00]                              | Gary H         | SAT |
|          | 0745z | 30/03 [262/00]                              | RNGB           | MON |
|          | 1705z | 01/04 [392/00]                              | RNGB           | WED |
|          | 0745z | 06/04 [262/00]                              | RNGB           | MON |
|          | 1705z | 08/04 [392/00] Out 0933z Strong QRM1 QSB1   | JkC            | WED |
|          | 1705z | 11/04 [392/00] Out 1708z S9+10              | Malc           | SAT |
|          | 1705z | 15/04 [392/00] Out 1708z S7                 | Malc           | WED |
|          | 1705z | 29/04 [392/00] Out 1708z S9                 | Malc           | WED |
|          |       |   |                |     |
| 10221kHz | 0710z | 10/03 [633/00] Good                         | RNGB           | TUE |
|          | 0710z | 20/03 [633/00]                              | RNGB           | FRI |
|          | 0710z | 24/03 [633/00] Out 0713z                    | Ed Smith       | TUE |
|          | 0710z | 21/04 [633/00] Out 0713z Strong QRM1 QSB1   | JkC            | TUE |
|          | 0710z | 28/04 [633/00] out 0713z S5                 | Malc           | TUE |
| 10330kHz | 1530z | 12/03 [262/00] Out 1533z Strong QRM1 QSB1 J | JkC, Malc      | THU |
|          | 1530z | 26/03 [262/00] Out 1533z S6                 | Malc           | THU |
|          | 1530z | 02/04 [262/00]                              | RNGB           | THU |
|          | 1530z | 09/04 [262/00] Out 1533z Strong QRM1 QSB1   | JkC            | THU |
|          | 1530z | 16/04 [262/00]                              | Malc           | THU |
|          | 1540z | 23/04 [262/00] Out 1533z S5                 | Malc           | THU |



|          |       |  |                     |                |     |
|----------|-------|--|---------------------|----------------|-----|
| 10448kHz | 1625z | 04/03 [978/00]                               |                     | JkC            | WED |
|          | 1625z | 08/03 [978/00]                               |                     | RNGB           | SUN |
|          | 1625z | 25/03 [978/00] Out 1628z S8                  |                     | Malc           | WED |
|          | 1620z | 29/03 [978/00] Out 1623z Strong              | Up 5 minutes early. | JkC, Malc      | SUN |
|          | 1625z | 01/04 [978/00] Out 1628z S4                  |                     | Malc           | WED |
|          | 1625z | 05/04 [978/00] Out 1628z                     |                     | Ed Smith, JkC  | SUN |
|          | 1625z | 15/04 [978/00]                               |                     | Malc           | WED |
|          | 1625z | 26/04 [978/00] Out 1628z S4                  |                     | Malc           | SUN |
|          | 1625z | 29/04 [978/00] Out 1628z S6                  |                     | Malc           | WED |
| 10690kHz | 0830z | 02/03 [649/00]                               |                     | RNGB, Malc     | MON |
|          | 0830z | 09/03 [649/00]                               |                     | RNGB           | MON |
|          | 0830z | 13/03 [649/00] Out 0833z S7                  |                     | Malc           | FRI |
|          | 0830z | 16/03 [649/00] Out 0833z S5                  |                     | Malc           | MON |
|          | 0830z | 13/04 [649/00] Out 0833z S3                  |                     | Malc           | MON |
|          | 0830z | 17/04 [649/00] Good                          |                     | RNGB           | FRI |
| 10800kHz | 0645z | 03/03 [517/00]                               |                     | RNGB           | TUE |
|          | 0645z | 10/03 [517/00] Out 0648z                     |                     | Ed Smith       | TUE |
|          | 0645z | 24/03 [517/00] Out 0648z                     |                     | Ed Smith       | TUE |
|          | 0645z | 31/03 [517/00]                               |                     | RNGB           | TUE |
|          | 0645z | 14/04 [517/00] Out 0648z S5                  |                     | Malc           | TUE |
|          | 0645z | 21/04 [517/00] Out 0648z Strong QRM1 QSB1    |                     | JkC            | TUE |
|          | 0645z | 23/04 [517/00] Out 0648z S4                  |                     | Malc           | THU |
|          | 0645z | 28/04 [517/00] Out 0648z S2                  |                     | Malc           | TUE |
|          | 0645z | 30/04 [517/00] Out 0648z S2                  |                     | Malc           | THU |
| 11450kHz | 0805z | 01/03 [311/00] Out 0808z                     |                     | Ed Smith       | SUN |
|          | 0805z | 04/03 [311/00]                               |                     | Ed Smith       | WED |
|          | 0805z | 08/03 [311/00] Out 0808z S9                  |                     | Malc           | SUN |
|          | 0805z | 11/03 [311/00]                               |                     | RNGB           | WED |
|          | 0805z | 18/03 [311/00]                               |                     | RNGB, Ed Smith | WED |
|          | 0805z | 08/04 [311/00] Out 0808z                     |                     | Ed Smith       | WED |
|          | 0805z | 12/04 [311/00] Out 0808z S6                  |                     | Malc           | SUN |
|          | 0805z | 15/04 [311/00] Out 0808z S5                  |                     | Malc           | WED |
|          | 0805z | 22/04 [311/00] Out 0808z                     |                     | Ed Smith       | WED |
|          | 0805z | 29/04 [311/00] Fair                          |                     | RNGB           | WED |
| 14575kHz | 0745z | 03/03 [335/00]                               |                     | RNGB           | TUE |
|          | 0745z | 05/03 [335/00] S5                            |                     | Malc           | THU |
|          | 0745z | 10/03 [335/00] Out 0748z                     |                     | Ed Smith       | TUE |
|          | 0745z | 12/03 [335/00] Out 0748z S9                  |                     | Malc           | THU |
|          | 0745z | 17/03 [335/00]                               |                     | RNGB           | TUE |
|          | 0745z | 19/03 [335/00] Fair                          |                     | RNGB           | THU |
|          | 0745z | 31/03 [335/00]                               |                     | RNGB           | TUE |
|          | 0745z | 02/04 [335/00] Weak                          |                     | RNGB, Malc     | THU |
|          | 0745z | 07/04 [335/00] Good                          |                     | RNGB           | TUE |
|          | 0745z | 23/04 [335/00]                               |                     | RNGB           | THU |
|          | 0745z | 28/04 [335/00] Out 0748z S5                  |                     | Malc           | TUE |
|          | 0745z | 30/04 [335/00] Out 0748z S8                  |                     | Malc           | THU |
| 15632kHz | 1300z | 10/03 [133/00] Out 1303z Strong QRM1 QSB1    |                     | JkC            | TUE |
|          | 1300z | 11/03 [133/00] Weak                          |                     | RNGB           | WED |
|          | 1300z | 18/03 [133/00] Out 1303z Very Weak QRM1 QSB1 |                     | JkC            | WED |
|          | 1300z | 24/03 [133/00]                               |                     | RNGB           | TUE |
|          | 1300z | 31/03 [133/00] Out 1303z S7                  |                     | Malc           | TUE |
|          | 1300z | 01/04 [133/00] Out 1303z S9                  |                     | Malc           | WED |
|          | 1300z | 14/04 [133/00] Out 1303z S5                  |                     | JkC, Malc      | TUE |
|          | 1300z | 21/04 [133/00]                               |                     | RNGB           | TUE |
|          | 1300z | 28/04 [133/00]                               |                     | Gary H         | TUE |
| 15915kHz | 1540z | 01/02 [228/00] Out 1543z S2                  |                     | Malc           | SUN |
|          | 1155z | 04/03 [718/00] Out 1158z                     |                     | Ed Smith       | WED |
|          | 1540z | 09/03 [228/00]                               |                     | RNGB           | MON |
|          | 1155z | 11/03 [718/00] Out 1158z S7                  |                     | Malc           | WED |
|          | 1155z | 12/03 [718/00] Out 1158z S5                  |                     | Malc           | THU |
|          | 1540z | 22/03 [228/00] Out 1543z Strong QRM1 QSB1    |                     | JkC            | SUN |
|          | 1540z | 23/03 [228/00] Out 1543z S4                  |                     | Malc           | MON |
|          | 1155z | 25/03 [718/00] Out 1158z S9                  |                     | Malc           | WED |
|          | 1155z | 26/03 [718/00] Weak                          |                     | RNGB           | THU |
|          | 1540z | 29/03 [228/00]                               |                     | JkC            | SUN |
|          | 1540z | 30/03 [228/00]                               |                     | RNGB           | MON |

|       |   |          |     |
|-------|---|----------|-----|
| 1155z | 02/04 [718/00] Good                     | RNGB     | THU |
| 1540z | 05/04 [228/00] Out 1548z                | Ed Smith | SUN |
| 1155z | 08/04 [718/00]                          | Ed Smith | WED |
| 1540z | 12/04 [228/00] Out 1543z S2             | Malc     | SUN |
| 1155z | 15/04 [718/00]                          | Ed Smith | WED |
| 1540z | 20/04 [228/00] Out 1543z Fair QRM1 QSB1 | JkC      | MON |
| 0545z | 22/04 [348/00] Out 0548z Fair QRM1 QSB1 | JkC      | WED |
| 1540z | 26/04 [228/00] Out 1543z S5             | Malc     | SUN |
| 1540z | 27/04 [228/00]                          | RNGB     | MON |

#### E11a log March/April

**The crazy world of 121 has appeared again at 1925z, 5176kHz, and maybe the one found in progress 1911z, 4298kHz. (JKC)  
4638kHz 1905z 17/04 and repeat at 1920z on 5231kHz [121/24 60560 ... 96071] Out1912z JkC FRI**

|         |        |   |                |     |
|---------|--------|---|----------------|-----|
| 4298kHz | 1911z  | 02/03 [I/P ... 51565 83283 LG 22350] Out 1912z Strong QRM1 QSB1   | JkC            | MON |
| 4638kHz | 1905z  | 17/04 [121/24 60560 07234 69010 19778 07456 87201 32930 00946 25040 8910870746 37999 37791 20825 15657 91221 86385 42194 65137 68693 12481 24473 16442 96071] Out1912z Strong                 | JkC, Spectre   | FRI |
| 4828kHz | 2225z  | 25/03 [121/25 73846 64444 90826 82640 81266 18445 63992... 97534 20412] Out 2233z Strong  | JkC            | WED |
| 5176kHz | 19250z | 02/03 [121/25 39343 49672 74174 15774 25900 02847 78357 60203 36083 26276 06671 23833 91996 47172 64248 29634 11663 52207 72221 01497 08042 41283 21565 83283 22350 (single group repeat) Out | JkC            | MON |
| 5194kHz | 1710z  | 02/03 [955/20 92604 98417 18250 57067 52907 25325 50540 39685.....72653 53805] Good   | RNGB, JkC      | MON |
|         | 1710z  | 06/03 [953/30 45620 45412 56086 21727 83516 84932 74561 29133 58024.....61044 99077]  | JkC            | FRI |
|         | 1710z  | 09/03 [953/20 02859 45708 16017 33905 53384 56301 77172 82187 31204.....99258 05990]  | JkC, Malc      | MON |
|         | 1710z  | 13/03 [953/21 71953 23547 09361 97968 58694 00067 00725 75406 49018.....82248 71738]  | JkC, Malc      | FRI |
|         | 1710z  | 16/03 [952/21 20629 60993 15333 70962 31615 12548 22042 66518 79366.....88050 94586]  | Ed Smith       | MON |
|         | 1710z  | 20/03 [951/21 78661 84348 97206 94997 90941 35230 06860 90677 67334.....91853 33408]  | JkC            | FRI |
|         | 1710z  | 23/03 [955/20 37865 56460 28403 13989 20427 69344 33096 58226 77332.....62779 70557] Out 1717z  | JkC, Malc      | MON |
|         | 1710z  | 27/03 [959/25 41081 52681 96968 09161 34342 45322 31559 36061.....50170 71851] Out 1718z Strong   | JkC            | FRI |
|         | 1710z  | 03/04 [959/26 04186 03163 32600 43290 76799 50922 87908 60577.....08834 30579] Out 1718   | RNGB           | FRI |
|         | 1710z  | 06/04 [955/32 13187 67796 18529 90330 39002 93973 20946 55608 86748 15172.....95884 49192]  | Malc, Ed Smith | MON |
|         | 1710z  | 10/04 [955/21 99792 61734 75964 63007 78726 46587 11304 02266 18706 95682.....53916 32715]  | JkC            | FRI |
|         | 1710z  | 13/04 [955/21.....ATTENTION 61283.....50904]  | Malc           | MON |
|         | 1710z  | 17/04 [953/25 19275 40910 85983 98232 55457 81618 01601 68694 26576 98559.....26416 41576]  | JkC, Malc      | FRI |
|         | 1710z  | 20/04 [955/21 59128 78179 94500 04916 02185 83975 54168 88212.....12570 45481]  | RNGB           | MON |
|         | 1710z  | 24/04 [953/20 23929 84757 74259 55091 72630 48501 28965 80743 74143 15745.....67264 17633]  | JkC, Malc      | FRI |
| 5231kHz | 1920z  | 17/04 [121/24 60560 07234 69010 19778 07456 87201 32930 00946.....16442 96071] Out 1927z Strong   | JkC , Spectre  | FRI |
| 5409kHz | 2209z  | 25/03[I/P ... 21565 83283 LG 22350] Out 2213z Strong QRM1 QSB1  | JkC            | WED |
| 6304kHz | 0450z  | 09/03 [416/31 43998 72653 95603 91810 88183 46503 12125 89129.....61108 21300] Out 0459z QSA2   | Ed Smith       | MON |
|         | 0450z  | 20/04 [411/34 34538 08512 85941 74280 50927 78759 92092 27534.....62371 35390] Out 0459z Strong   | JkC            | MON |
| 7377kHz | 2000z  | 13/03 [571/35 61721 81790 37491 69277 60015 94410 43038 32091.....83834 83897]  | RNGB           | FRI |
|         | 2000z  | 17/04 [576/33 88408 26752 32436 73475 95483 42647 91660 58322 06208 03579.....23372 51893]  | RNGB, JkC      | FRI |
| 7449kHz | 1045z  | 24/03 [460/30 72081 94831 88703 90169 46294 03910 84663 86371 12425.....29155 84421] Out 1053z  | Ed Smith       | TUE |
|         | 1045z  | 25/03 [460/30 72081.....84421] Repeat of Tuesday  | Malc           | WED |
|         | 1045z  | 28/04 [461/35.....ATTENTION 72193.....37256]  | Malc           | TUE |
|         | 1045z  | 29/04 [461/35 72193....etc] Repeat of Tuesday   | Malc           | WED |
| 7850kHz | 0315z  | 12/03 [258/30 14911 45451 42218 13129 38267 05668 17837 79131.....28126 81414] Out 0324z Strong   | JkC            | THU |
|         | 0315z  | 01/04 [253/34 44761 00142 45358 34152 11780 90499 50966 95639.....21255 68777] Out 0325z Very strong  | PLondon        | WED |
| 8102kHz | 1045z  | 10/03 [571/35 61721 81790 37491 69277 60015 94410 43038 32091.....83834 83897] Out 1054z  | Ed Smith       | TUE |
| 8186kHz | 2005z  | 21/03 [367/32 20095 87561 03907 17434 60478 41434 10977 29646 96321.....70625 54930]  | Gary H         | SAT |
|         | 2005z  | 22/03 [367/32 20095.....54930] Out 2014z Strong QRM1 QSB1   | JkC            | SUN |
|         | 2005z  | 12/04 369/32 25438 95231 75216 92789 29916 46719 61879 17233 62798.....37200 48537]   | RNGB           | SUN |
| 8803kHz | 0930z  | 18/03 [277/35 29465 60826 91626 69958 82433 36068 99335 49338 85269.....98495 23825] Out 0939z  | Ed Smith       | WED |
|         | 0930z  | 29/04 [273/34.....ATTENTION 12029.....61304]  | Malc           | WED |
|         | 0930z  | 30/04 [273/34.....etc] Repeat of Wednesday  | Malc           | THU |
| 9371kHz | 1730z  | 12/03 [416/31 43998 ... 21300] Out 1739z Strong BCQRM3 QSB1   | JkC            | THU |

|          |       |  |                 |     |
|----------|-------|--|-----------------|-----|
| 9399kHz  | 0900z | 09/03 [532/35 28744 02701 40336 54287 52335 95607 38987 41063.....50196 90820]                       | RNGB, Malc      | MON |
|          | 0900z | 11/03 [532/35 28744.....etc] Repeat of Monday  | RNGB, Malc      | WED |
|          | 0900z | 27/04 [534/30 06935 74266 91377 99795 05299 68144 49435 30457 15247 02366.....47368 53429]           | JkC             | MON |
|          | 0900z | 29/04 [534/30 06935...etc] Repeat of Monday  | Malc            | WED |
| 9960kHz  | 0820z | 19/03 [435/34 22608 42386 00235 13674 57263 62620 34619 50880.....26385 04431] Fair                  | RNGB            | THU |
|          | 0820z | 06/04 [431/37.....ATTENTION 65178.....68986]   | Malc            | MON |
|          | 0820z | 08/04 [431/37 65178 61108 03102 27388 49358 64675 23860 34993 23903.....91354 68986]                 | Ed Smith        | WED |
| 10213kHz | 0530z | 07/03 [983/10 41438 63449 30617 83094 42798 05935 70463 76636 69191 65745] Out 0535z                 | Ed Smith        | SAT |
|          | 0530z | 10/03 [980/10 58755 11740 45551 97056 98215 70144 44669 79603 51046 70094] Out 0535z                 | Ed Smith        | TUE |
|          | 1705z | 11/03 [392/33 99691 04695 40433 47823 32897 38157 20358 45549 59144.....57909 67813]                 | Karsten, Gary H | WED |
|          | 0530z | 14/03 [982/10 74985 42700 43512 88607 43944 39970 97511 17786 49577 94708] Out 0535z                 | Ed Smith        | SAT |
|          | 0530z | 17/03 [983/10 41438 63449 30617 83094 42798 05935 70463 76636 69191 65745] Out 0535z                 | Ed Smith        | TUE |
|          | 0530z | 21/03 [983/10 67608 42636 73189 43609 98877 82176 16430 70441 00175 61366] Out 0535z                 | Ed Smith        | SAT |
|          | 0530z | 24/03 [981/10 19404 09195 97557 32603 13936 98594 40373 96336 21070 82486] out 0535z                 | Ed Smith        | TUE |
|          | 0530z | 28/03 [988/10 25717 80885 02104 78589 30829 94556 80279 49337 80426 36922] Out 0535z                 | Ed Smith        | FRI |
|          | 0530z | 04/04 [980/10 81596 27690 54608 11303 43144 21800 09570 60221 70562 36469] Out 0535z                 | Ed Smith        | SAT |
|          | 0530z | 07/04 [982/10 97718 45621 79022 12337 25078 12095 50081 91289 45230 86202] Out 0535z                 | Ed Smith        | TUE |
|          | 0530z | 14/04 [982/10 89141 02402 21062 82139 67104 05013 58856 13551 03682 27391]                           | Ed Smith        | TUE |
|          | 0530z | 18/04 [980/10 35342 58238 95253 59450 80191 07825 56213 02909 84642 17548] Out 0535z                 | Ed Smith        | SAT |
|          | 0530z | 21/04 [982/10 97718 ... 86202] Out 0535z Fair QRM1 QSB1 Repeat of 07/04/15                           | JkC             | TUE |
|          | 1705z | 22/04 [391/34 36366 93353 45342 59010 50655 78201 52765 15428 30851..... 25643 14721]                | Ary, JkC        | WED |
|          | 1705z | 25/04 [391/34 36366.....etc] Repeat of Wednesday S9  | Malc            | SAT |
|          | 0745z | 27/04 [268/30 45411 21457 21760 92357 45754 75513 01506 60595 58529 94082.....00933 06498]           | JkC             | MON |
| 10221kHz | 0710z | 03/03 [636/34 38648 84327 75979 56646 61701 59239 58376 53988.....86450 16917]                       | RNGB            | TUE |
|          | 0710z | 06/03 [636/34 38648.....etc] Repeat of Tuesday   | RNGB            | FRI |
|          | 0710z | 14/04 [635/32.....ATTENTION 17919.....08435] Out 0719z S3  | Malc, Ed Smith  | TUE |
|          | 0710z | 17/04 [635/32 17919 01975 66665 96220 98091 37625 05956 30743 36669.....09264 08435]                 | RNGB            | FRI |
| 10330kHz | 1530z | 05/03 [264/31 13256 59984 03424 24463 53329 44958 21193 96182.....12367 07566]                       | JkC, Malc       | THU |
|          | 1530z | 30/04 [268/30 45441 21457 21760 92357 45754 75513 01506.....00933 06498]                             | JkC             | MON |
| 10448kHz | 1625z | 18/03 [974/34 72849 66348 58903 76129 51740 99198 59199 15591.....23161 13143]                       | RNGB            | WED |
|          | 1625z | 22/03 [974/34 72849 66348 58903 76129 51740 99198 59199 15591 08743.....23161 13143]                 | JkC             | SUN |
|          | 1625z | 08/04 [972/35 40197 04497 54198 88947 79533 54280 01194 15997 14636.....09709 33478]                 | JkC             | WED |
|          | 1625z | 12/04 [972/35 40197....etc] Repeat of Wednesday  | Malc            | SUN |
| 10690kHz | 0830z | 23/03 [640/32.....ATTENTION 23642.....70011] Out 0839Z S7  | Malc            | MON |
|          | 0830z | 27/03 [640/32 23642 99115 37021 12935 74125 30001 80464 09922 83040 31620.....57143 70011]           | JkC             | FRI |
|          | 0830z | 24/04 [647/30.....ATTENTION 50334.....40103]   | Malc            | FRI |
| 10800kHz | 0645z | 17/03 518/31 02447 51814 29889 96510 69024 12078.....55032 81448]                                    | RNGB            | TUE |
|          | 0645z | 07/04 [511/36 82239 63032 33113 26424 94885 63905 47091 66159 40298.....25485 33153] Out 0654z       | Ed Smith        | TUE |
| 10330kHz | 1530z | 05/03 [264/31 13256 59984 03424 24463 53329 44958 21193 96182.....12367 07566]                       | JkC, Malc       | THU |
| 11450kHz | 0805z | 25/03 [315/38.....ATTENTION 74495.....18809]   | Malc            | WED |
|          | 0805z | 29/03 [315/38 74495 40862 94595 52287 79465 71611 26594 29616 23055.....43854 18809]                 | RNGB, Spectre   | SUN |
|          | 0805z | 05/04 [316/34 03932 88416 68049 66019 65943 31551 60478 79062.....26729 77783]                       | RNGB            | SUN |
| 13375kHz | 1110z | 02/03 [951/23.....ATTENTION 76153.....98338]   | Malc            | MON |
|          | 1400z | 03/03 [987/10 47716 35438 15984 60281 57023 91667 03883 06507 94243 72158?] Sending was a mess!      | JkC             | TUE |
|          | 1400z | 07/03 [986/10 ATTENTION 12948 55395 92786 49472 28698 69514 55126 53815 3105709060] Out 1405z        | Malc, Ed Smith  | SAT |
|          | 1110z | 09/03 [951/33 02455 56099 60832 73561 78223 05936 02418 15407.....87212 68940]                       | RNGB, Malc      | MON |
|          | 1400z | 10/03 [981/10 64719 73327 01906 90798 00482 87201 52818 98129 15600 82679] Out 1405z                 | Ed Smith        | TUE |
|          | 1110z | 13/03 [952/31 70685 18053 08220 37794 38754 75983 07707 16556 76853.....02933 18403]                 | JkC, Malc       | FRI |
|          | 1110z | 16/03 [952/30 77303 515555 75638 62353 43664 77584 46990 49324.....81984 29567 55027]                | RNGB            | MON |
|          | 1400z | 17/03 [981/10 69482 72810 63874 27293 66204 33378 26790 74136 37442 89890]                           | JkC, Malc       | TUE |
|          | 1400z | 21/03 [981/10 19404 09195 97557 32603 13936 98594 40373 96336 21070 82486] Out 1405z                 | Ed Smith        | SAT |
|          | 1110z | 23/03 [952/31.....ATTENTION 82431.....11951] Out 1119z S5  | Malc            | MON |
|          | 1110z | 27/03 [956/32 01817 01046 04747 61491 39669 76453 51030 40030.....60684 91719] Out 1119z Strong      | JkC             | FRI |
|          | 1400z | 28/03 [987/10 39786 92631 99463 69383 27131 66055 49525 12155 12493 63298]                           | JkC             | SAT |
|          | 1110z | 30/03 [952/31 37448 64617 48585 70347 84777 23525 16449 76709 71194.....78540 62203]                 | Malc            | MON |
|          | 1400z | 31/03 [982/10 14591 21505 49049 76970 45547 79459 06020 23317 60884 85066]                           | Gary H, JkC     | TUE |
|          | 1110z | 03/04 [956/31 44712 99475 86928 86961 40244 16355 62942 44224 82925 96222.....28043 08819]           | JkC             | FRI |
|          | 1400z | 04/04 [987/10 42139 02799 30415 82453 67134 35524 41344 01873 56048 89419]                           | RNGB            | SAT |
|          | 1400z | 07/04 [985/10 46393 29440 43747 66764 15658 79909 70980 00352 83384 31285]                           | RNGB            | TUE |
|          | 1110z | 10/04 [952/35 86640 53995 00429 87242 62346 52577 62457 23096 92431 86424.....67197 92280] Out 1119z | Ed Smith        | FRI |
|          | 1400z | 11/04 [981/10 53994 67193 45787 34910 23570 74431 43564 65179 97847 32231] Out 1405z S4              | Malc            | SAT |
|          | 1400z | 14/04 [984/10 01383 92397 43139 86936 60161 18562 64576 06197 16428 16528] Out1405z Strong           | JkC , Malc      | TUE |

|          |       |  |                |     |
|----------|-------|--|----------------|-----|
|          | 1110z | 17/04 [956/32.....ATTENTION 27182.....73911]   | Malc           | FRI |
|          | 1400z | 21/04 [985/10 46393 ... 31285] Out 1405z Strong QRM1 QSB1 Repeat of 07/04/15                   | JkC            | TUE |
|          | 1110z | 24/04 [952/31.....ATTENTION 13049.....20844]   | Malc           | FRI |
|          | 1400z | 25/04 [987/10 56089 98979 69688 43810 36426 66167 97704 51181 04072 60294]                     | JkC, Malc      | SAT |
|          | 1400z | 28/04 [981/10.....ATTENTION 19404.....82486]   | Malc           | TUE |
| 13455kHz | 1810z | 03/03 [983/10 20912 08011 05373 15938 84050 71457 60067 44413 63553 40951]                     | Gary H         | TUE |
|          | 1810z | 07/03 [988/10 58842 03505 38415 06922 50837 15550 98745 01339 96015 12384] Out 1815z S9        | Malc, Ed Smith | SAT |
|          | 1810z | 10/03 [982/10 36495 52430 46376 74989 48067 09445 84854 29858 96572 22978] Out 1805z Strong    | JkC            | TUE |
|          | 1810z | 17/03 [980/10 58755.....70094] Out1815z Strong QRM2 QSB1                                       | JkC            | TUE |
|          | 1810z | 21/03 [980/10 72332 86189 88502 49290 34736 48152 62248 01993 36388 20503]                     | Gary H         | SAT |
|          | 1810z | 28/03 [986/10 52910 21703 37790 19490 27042 60436 11951 69098 42672 00190]                     | JkC            | SAT |
|          | 1810z | 31/03 [983/10 80758 25470 32730 27155 47046 15482 45670 23425 88509 67588]                     | Gary H, Malc   | TUE |
|          | 1810z | 04/04 [982/10.....ATTENTION 21959.....09087]   | Malc           | SAT |
|          | 1810z | 07/04 [981/10 38360 07715 73159 38162 09587 38860 10850 90990 01974 22388]                     | Gary H         | TUE |
|          | 1810z | 14/04 [987/10 07822 17578 08883 58741 29767 13944 80713 00304 31975 13855] Out 1815z Strong    | JkC, Malc      | TUE |
|          | 1810z | 18/04 [982/10 79456 18827 57688 22863 27039 15271 30262 64242 65167 23461]                     | Gary H         | SAT |
|          | 1810z | 21/04 [981/10 38360 ... 22388] Out 1815z Repeat of 07/04/15 Fair QRM2 QSB1                     | JkC            | TUE |
|          | 1810z | 25/04 [986/10 43236 89121 95592 75223 71832 19926 83055 78039 79557 37287]                     | Gary H         | SAT |
|          | 1810z | 28/04 [985/10 99734 50868 11515 92253 23787 09781 71214 00289 43922 69216]                     | Malc           | TUE |
| 14575kHz | 0745z | 24/03 [333/32 85074 09116 83512 96220 64346 74236 77306 30345 34565.....58816 42011] Out 0754z | Ed Smith       | TUE |
|          | 0745z | 26/03 [332/32 85074.....etc] Repeat of Tuesday   | Malc           | THU |
|          | 0745z | 14/04 [335/34.....ATTENTION 99807.....97993]   | Malc           | TUE |
| 15632kHz | 1300z | 03/03 [133/30 41083 90221 28058 40281 09081 19821 26725 32208.....55909 35303] Fair with QSB   | RNGB, Ed Smith | TUE |
|          | 1300z | 07/04 [131/35 83159 51020 62159 34030 67627 30705 50142 28902.....06360 83660]                 | JkC, Spectre   | TUE |
|          | 1300z | 08/04 [131/35 83159.....etc] Repeat of Tuesday   | JkC            | WED |
| 15915kHz | 1540z | 02/03 [224/30 84021 73528 44933 57429 02362 03447 80876 77038.....97713 88560] Out 1549z Fair  | JkC, Malc      | MON |
|          | 1540z | 08/03 [224/30.....ATTENTION 84021.....88560] Repeat of Monday                                  | Malc           | SUN |
|          | 1155z | 18/03 [713/37 10494 97622 78625 91792 78645 49415 90405.....96599 77952] Out 1205z             | JkC, Ed Smith  | WED |
|          | 0545z | 25/03 [346/38 53321 59766 39931 40416 29082 83053 52599 58151 18329.....51392 91583]           | JkC            | WED |
|          | 1155z | 22/04 [712/38 92075 19695 28465 33974 81872 30967 64258 76744 90653.....66739 68114]           | Ary            | WED |
|          | 1155z | 23/04 [712/38 92075.....etc] Repeat of Wednesday   | Ary            | THU |

#### Spectre's E11a transcripts:

E11a 4638kHz 1905z 17/04 Transcript:

121/24 Attention  
60560 07234 69010 19778 07456 87201 32930 00946 25040 89108  
70746 37999 37791 20825 15657 91221 86385 42194 65137 68693  
12481 24473 16442 96071  
Out

5194kHz 1710z 10/04 [955/21 Attention 99792 ... 32715 Out] 1718z Fair QRN3 QSB3 Spectre FRI

E11a 5194kHz 1710z 10/04 Transcript:

955/21 Attention  
99792 61734 75964 63007 78726 46587 11304 02266 18706 95682  
39708 45308 48138 02294 17995 30813 41102 91444 40137 53916  
32715  
Out

5231kHz 1920z 17/04 [121/24 Attention 60560 ... 96071 Out] 1928z Fair QRN3 QSB3 Spectre THU

E11a 5231kHz 1920z 17/04 Transcript:

121/24 Attention  
60560 07234 69010 19778 07456 87201 32930 00946 25040 89108  
70746 37999 37791 20825 15657 91221 86385 42194 65137 68693  
12481 24473 16442 96071  
Out

9960kHz 0820z 09/04 [431/37 Attention 65178 ... 68986 Out] 0831z Fair QRN3 QSB3 Spectre THU

E11a 9960kHz 0820z 09/04 Transcript:

431/37 Attention

65178 61108 03102 27388 49358 64675 23860 34993 23903 10208  
24631 18621 87877 88620 39101 14935 65325 46611 64929 77634  
47193 66567 62916 20340 34217 15942 14919 93054 84490 56769  
69510 02612 62317 60203 37278 91354 68986  
Out

15632kHz 1300z 07/04 [131/35 Attention 83159 ... 83660 Out] 1310z Fair QRN3 QSB3 Spectre TUE  
1300z 08/04 [131/35 Attention 83159 ... 83660 Out] 1310z Fair QRN3 QSB3 Spectre WED

E11a 15632kHz 1300z 07/08/04 Transcript:

131/35 Attention

83159 51020 62159 34030 67627 30705 50142 28902 61934 44895  
93458 84933 67576 31920 50305 36057 79151 23342 42285 19509  
28556 61009 49308 70000 13505 34825 86178 86766 50722 90426  
92888 63647 17034 06360 83660  
Out

**E17z**  
**March 2015**  
**Thursday**

| 0800z | 14260kHz  | 0810z             | 12930kHz |           |
|-------|---|-------------------|----------|-----------|
| 05/03 | 674 803 5 38034 ...                                 | 38702 803 5 00000 |          | Fair, QRM |
| 12/03 | 674 803 5 38034 37823 38230 48234 38702 803 5 00000 |                   |          | Weak      |
| 26/03 | 674 208 5 59972 38664 48339 91339 44254 208 5 00000 |                   |          | Weak      |

**April 2015**  
**Thursday**

| 0800z | 14260kHz  | 0810z | 12930kHz                 |      |
|-------|---|-------|--------------------------|------|
| 02/04 | 674 810 5 31542 38747 33534 36213 37580 810 5 00000 |       |                          | Weak |
| 09/04 | 674 810 5 31542 38274 33534 36213 37580 810 5 00000 |       |                          | Weak |
| 16/04 | 674 820 5 42900 58466 46645 43850 58546 820 5 00000 |       |                          | Weak |
| 23/04 | 674 820 5 42900 58466 45545 43850 58546 820 5 00000 |       | [0810a Too weak to copy] | Weak |

**E25**  
**[January 2015 to present]**

Highlights: Live transmission on 6140 kHz. The usual transmitter and audio problems occurring in both frequencies.

Logs:

January 2015

6140 kHz 0916z 22/01 carrier QSA4 QSB4 QRT 0919z MG THU

6140 kHz 0944z 24/01 carrier QSA4 QRT 0946z MG SAT

6140 kHz 0959z 24/01 [672 1024 4127 4113 2437 4576 4348 4088] 1001z, 0953z carrier up, OM live, low audio, probably with errors, difficult to discern 4 from 8, carrier left on, QSA3 MG SAT

6140 kHz 1031z 24/01 OM live repeats above msg once, no call, EOM EOT, carrier, QRT 1035z MG SAT

6140 kHz 0900z 26/01 very low audio, OM live, no copy QRT 0920z MG MON

6140 kHz 0925z 27/01 brief carrier MG TUE

6140 kHz 0936z 27/01 carrier QSA2 QSB3 QRT 1002z MG TUE

February 2015

9450 kHz 1217z 21/02 [835 1080 6430 0398 7674 9865 1216 6430 0727] 1226z "Inte Omri" musical intro, initially with low audio, AM QSA5, slight FSK QRM MG SAT

6140 kHz 0858z 22/02 brief carrier QSA4 MG SUN

6140 kHz 0901z 22/02 [111 4258 4890 4021 6442 0582 6563 5349 6343 6014 8449 2968 4890] 0905z AM QSA3 QSB3, carrier left up, MG SUN

6140 kHz 0915z 22/02 [950 4011 3957 0960 5420 5116 9425 1562 2133 8951 2041 0960] YL, 0921z repeats call and msg, QRT 0927z, AM QSA2 QSB2, MG SUN

6140 kHz 0855z 23/02 YL calling 111 only, no msg, breaks, QRT 0910z, AM QSA3 QSB, MG MON

6140 kHz 0914z 23/02 YL calling 950 and QRT MG MON  
 6140 kHz 0946z 23/02 YL calling ?816? and QRT MG MON  
 6140 kHz 0959z 23/02 [570 0130 9014 6773 8724 4372 4708] 1003z YL ended with EOM only, AM QSA3 QSB2, MG MON

9450 kHz 1107z 23/02 brief carrier MG MON  
 9450 kHz 1115z 23/02 YL calling 315 then QRT, AM QSA5, MG MON

9450 kHz 1208z 28/02 carrier, "Inte Omri" for a couple of seconds, AM QSA5, carrier left on, MG SAT

#### E25a

|                |  |    |     |
|----------------|--|----|-----|
| 9450 kHz 1216z | 22/02 [830 2] carrier up 1212z "Inte Omri" musical intro, 1222z Mx3 Rx3 EOM, carrier, QRT 1228z, AM QSA5 QSB,  | MG | SUN |
| 9450 kHz 1215z | 28/02 [830 3] 1223z "Inte Omri" musical intro, YL ended with Mx3, Rx3, EOM, AM QSA5 QSB2,                      | MG | SAT |
| 9450 kHz 1214z | 21/03[837 4 830 5] 1216z carrier up 1200z, OM live, AM QSA5 QSB2,  | MG | SAT |
| 9450 kHz 1215z | 25/03[830 7] 1224z carrier 1212z, "Inte Omri" musical intro, TX breaks, YL ended with Mx3 R EOMx2 EOT, AM QSA5 | MG | WED |

#### G06

PoSW's logs start us off on G06, with additional analysis:

Not much new from G06, just the same well-established schedules:-

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

12-Mar-15:- 5,934 kHz, seasonal change of frequency from 4,519 kHz used in the winter months. Inside the 49 metre broadcast band, very strong DRM signal on the HF side. Appeared to be a carrier on the expected frequency of 5,934 but no voice heard until about 1836 UTC when call-up "579" heard. DK/GC at 1840 UTC, so running late, "832 832 20 20". 5F groups used many times in the past with various DK by both German G06 and English E06, "37839 35787 98273 60187.....".

26-Mar-15:- 5,934 kHz, "579" and "832 832 20 20" again, started about 15 seconds past the half-hour, the rock-crusher of a DRM signal on the HF side making its presence felt.

9-Apr-15:- 5,934 kHz, now on at 7.30 PM in the UK with the shift of the clocks for summertime, started about 45 seconds before the half-hour. Calling "579", well over S9 signal, the strong DRM on the HF side which made for difficult copy in March has gone away for the summer, apparently, strong broadcaster on 5,930 removed by using the receiver in USB mode, everything seemed set fair for good readability; but the transmission got to the DK, "832....", then vanished. Stayed with 5,934 for about five minutes but nothing further heard. And if that isn't strange, then I don't know what is!

23-Apr-15:- 5,934 kHz, started about 30s early, "579", DK/GC "832 832 20 20", same 5Fs as in March and on many previous occasions, over S9, strong BC station on 5,930 suppressed with receiver in USB mode.

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

13-Mar-15:- 5,442 kHz, seasonal change of frequency from the depths of winter 4,792 kHz, calling "947", carrier appeared to be greatly reduced but not totally suppressed, DK/GC "215 215 20 20". Local QRM quite intense this evening for some reason, G06 sunk into the noise after a few 5Fs and became unreadable.

10-Apr-15:- 5,442 kHz, call-up "947" in progress when tuned in about 20 seconds before the hour, DK/GC "215 215 20 20" followed by a 5F message which has been used many times with various Decode keys by both G06 and E06, for example Friday G06 in March 2014 and Thursday E06 in April 2014, starts "06132 75514 79681.....". Signal strength over S9 on a clear frequency.

24-Apr-15:- 5,442 kHz, "947" and "215 215 20 20" again, well over S9 on a clear frequency.

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

2-Mar-15:- 1700 UTC, 4,632 kHz, calling "248" for a "full message", DK/GC "137 137 66 66", S7 to S8, ended just after 1720 UTC. 1800 UTC, 5,380 kHz, second sending, good signal peaking well over S9.

9-Mar-15:- 1700 UTC, 4,632 kHz, S7 carrier but audio low, could just about make out the "248" full message call-up. 1800 UTC, 5,380 kHz, started well before the hour, "248" and "137 137 66 66", same as last week, better audio than first sending.

6-Apr-15:- 1700 UTC, 4,632 kHz, "248", DK/GC "913 913 92 92", S7. 1800 UTC, 5,380 kHz, second sending, up to a very strong S9+.

#### March 2015 Monday

|              |                |              |                |
|--------------|----------------|--------------|----------------|
| <b>1700z</b> | <b>4632kHz</b> | <b>1800z</b> | <b>5380kHz</b> |
|--------------|----------------|--------------|----------------|

|       |   |        |
|-------|---|--------|
| 02/03 | 248 137 66 91336 ... 74763 137 66 00000 | Strong |
|-------|---|--------|

G06 4632kHz 1700z 02/03

248 137 66  
 91336 13587 90006 17207 52934 63429 44265 71720 84954 61845  
 31356 52464 59607 86573 29296 18872 01107 35698 89062 32687  
 40500 56451 65814 45220 93192 04694 43290 67944 21092 89967  
 32135 14092 65347 47215 75371 18173 95768 54372 06780 00514  
 60024 37582 73023 96762 34509 36618 57337 55143 30730 58969  
 34063 76143 02234 54556 82868 44763 37074 59234 01457 61741  
 49509 50466 31159 80293 81405 74763  
 137 66 00000 Courtesy JkC

|       |  |                       |           |
|-------|--|-----------------------|-----------|
| 09/03 | 248 137 66 91336 ... 74763 137 66 00000 [1700z unworkable] | [ Repeat of 02/03/15] | Fair, QSB |
|-------|--|-----------------------|-----------|

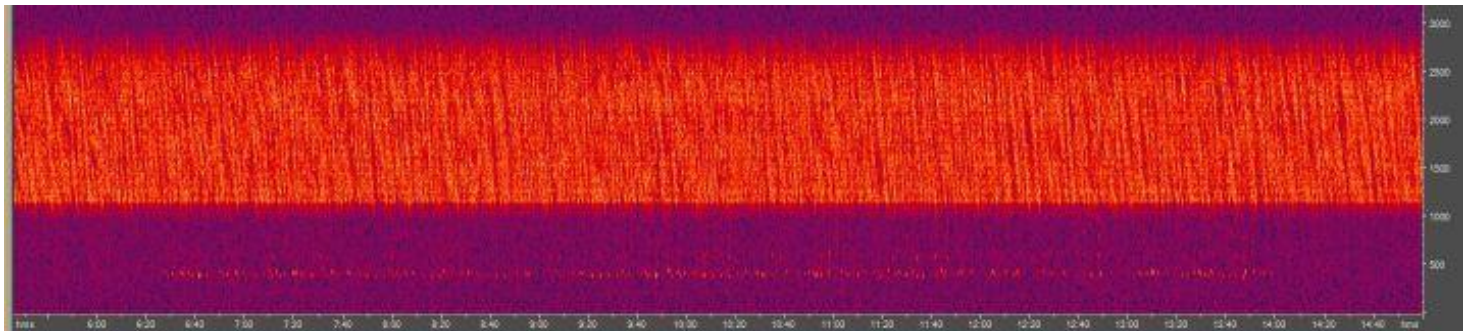
**Wednesday**

|              |                |              |                |
|--------------|----------------|--------------|----------------|
| <b>1200z</b> | <b>5915kHz</b> | <b>1300z</b> | <b>5458kHz</b> |
|--------------|----------------|--------------|----------------|

|       |   |              |      |
|-------|---|--------------|------|
| 04/03 | 248 137 66 91336 ... 74763 137 66 00000 | [Rpts 02/03] | Weak |
|-------|---|--------------|------|

**Thursday**

|              |                |
|--------------|----------------|
| <b>1830z</b> | <b>5934kHz</b> |
|--------------|----------------|



Adjacent digital signal causing QRM to 1830z 12/03 sending of G06

|       |   |                                  |             |
|-------|---|----------------------------------|-------------|
| 12/03 | 579 832 20 37839 ... 24594 832 20 00000 | [started late 1836 ending 1844z] | Strong QRM4 |
| 26/03 | 579 832 20 37839 ... 04594 832 20 00000 | [adj channel QRM]                | Strong      |

**Friday**

|              |                |
|--------------|----------------|
| <b>1930z</b> | <b>5442kHz</b> |
|--------------|----------------|

|       |   |             |
|-------|---|-------------|
| 13/03 | 947 215 20 06132 ... 04884 215 20 00000 | Very strong |
| 27/03 | 947 215 20 06132 ... 04884 215 20 00000 | Very strong |

**April2015  
Monday**

|              |                |
|--------------|----------------|
| <b>0800z</b> | <b>6810kHz</b> |
|--------------|----------------|

|       |   |        |
|-------|---|--------|
| 06/04 | 248 913 90 80422 ... 72372 913 90 00000 | Strong |
|-------|---|--------|

G06 6810kHz 1800z 06/04  
248 913 90  
80422 49758 21042 72317 44380 05478 98037 70915 70998 79587  
44260 76887 66867 30769 39738 76687 05570 48667 30346 16851  
01553 28853 88764 22680 36710 88159 96733 39981 84532 69842  
44920 56647 07986 59465 78074 54523 73278 77255 74626 71870  
63247 00320 09192 83128 09699 71834 27789 36690 85536 46146  
18154 11598 57722 60712 67177 33268 70533 01679 03339 05718  
53467 76468 28424 89086 77491 51279 10946 66322 67379 64989  
59917 99893 82988 01133 31811 46564 59448 98904 14739 77701  
41368 60474 50717 13371 23608 80831 99108 78057 48535 72372  
913 90 00000  
*Courtesy JkC, Spectre*

|       |   |        |
|-------|---|--------|
| 13/04 | 248 913 90 80422 ... 72372 913 90 00000 | Strong |
|-------|---|--------|

|              |                |              |                |
|--------------|----------------|--------------|----------------|
| <b>1700z</b> | <b>4632kHz</b> | <b>1800z</b> | <b>5380kHz</b> |
|--------------|----------------|--------------|----------------|

|       |           |        |
|-------|-----------|--------|
| 06/04 | 329 00000 | Strong |
|-------|-----------|--------|

**April 2015  
Thursday  
1830z 5934kHz**

|       |   |             |
|-------|---|-------------|
| 09/04 | 579 832 transmission stopped            | Very strong |
| 23/04 | 579 832 20 37839 ... 04594 832 20 00000 | Very strong |

**S06 etc**  
**S06 log March**

| Daily Mon- Fri   |       | 0400z  | 15721kHz                 |                                      |  |          |
|--|-------|--|--------------------------|--------------------------------------|--|----------|
| 02/03  | '480' | 135 60 44485 ... 46000 135 60 00000  | 0412z Fair QRM1 QSB2     | JkC                                  | MON Hong Kong remote                     |          |
|  |       | 44485 88743 04846 66672 43617 98696 07222 47357 19881 88241 16292 00504 29963 87272 88824 21451 83068 79287 04696 96475              |                          |                                      |  |          |
|  |       | 20015 90621 81778 20965 22896 32500 54985 38405 28748 63119 55415 79851 45653 61935 50531 08575 94729 33339 31315 99573              |                          |                                      |  |          |
|  |       | 26432 81924 57327 08635 84607 26516 95617 10632 16747 45161 14421 11751 53856 68259 17573 65330 08404 62032 30592 46000              |                          |                                      |  |          |
|  |       | 135 60 00000   |                          |                                      |  |          |
| 05/03  | '480' | 972 60 76854 05507 .....   | 06631 16808 00000 0412z  | Ed Smith                             | THU                                      |          |
| 06/03  | '480' | 631 50 07862 57319 .....   | 70941 00458 00000 0411z  | Ed Smith                             | FRI                                      |          |
| 10/03  | '480' | 572 60 39883 15600 .....   | 56945 90464 00000 0412z  | Ed Smith                             | TUE                                      |          |
| 19/03  | '480' | 197 60 10572 33796 .....   | 06627 12341 00000 0412z  | Ed Smith                             | THU                                      |          |
| 25/03  | '480' | 736 50 12671 48496 33224 84110 96016 73976 36307 37616 52318 91066 58167 21444   |                          |                                      |  |          |
|  |       | 06497 49153 44637 34267 74440 15349 44635 62448 71836 62403 68460 65271  |                          |                                      |  |          |
|  |       | 09038 86782 96964 14555 57907 86625 90046 30851 01549 54234 67889 83419  |                          |                                      |  |          |
|  |       | 02938 62816 63401 46149 53275 52146 69277 26632 86101 42842 28131 10567  |                          |                                      |  |          |
|  |       | 68066 33941 736 50 00000   |                          | JkC                                  | WED                                      |          |
| 26/03  | '480' | 912 60 15521 80302 .....   | 30102 57655 00000 0412z  | Ed Smith                             | THU                                      |          |
| Thursdays  |       | (Repeats following day)  | 0830z                    | 19415kHz                             | 0930z                                    | 16268kHz |
| 12/03  | '842' | 750 38 40711 84898 31813 62793 57395 42116 15307 09389 46458 20100 29795 10834 29448 67672 99833 67121 67437 70750 32714 78264       |                          |                                      |  |          |
|  |       | 53237 32123 11113 76268 15022 08362 71377 85334 61076 52295 09653 21218 20341 34485 83019 65682 58449 42145 750 38 00000             |                          |                                      |  |          |
| 19/03  | '842' | 165 39 21838 0670? 01268 44710.....  | 80244 34859 165 39 00000 |                                      |  |          |
| 26/03  | '842' | 379 40 93145 62855 14584 11905 30796 06130 09492 96209 86599 83804 27393 14497 27701 66449 70326 97931 89780 06747 48167 03185       |                          |                                      |  |          |
|  |       | 67691 11460 32206 49097 42530 95527 19384 06569 74824 66728 49343 52603 18508 14343 41511 24449 35397 00264 44387 34787              |                          |                                      |  |          |
|  |       | 379 40 00000   |                          |                                      |  |          |
| Fridays (1st & 3rd)  |       |  | 2000z                    | 9906kHz                              | 2100z                                    | 7507kHz  |
| 06/03  | '392' | 00000  | End 2004z                | Strong QRM1 QSB1                     |  | JkC      |
| 20/03  | '392' | 00000  | End 2004z                | Strong                               |  | JkC      |
| Saturdays (1st/2nd/3rd and 4th)  |       |  | 1600z                    | 7643kHz or                           | 1605z                                    | 6819kHz  |
| 07/03  | 1600z | '491' 00000  |                          |                                      |  | Ed Smith |
| 21/03  | 1600z | '491' 00000  |                          |                                      |  | Ed Smith |
| 28/03  | 1600z | '491' 00000  | Used 7633kHz             |                                      |  | JkC      |
| Saturdays (1st/3rd)  |       |  | 2000z                    | 5124kHz                              | 2100z                                    | 4443kHz  |
| 07/03  | '738' | 00000  |                          |                                      |  |          |
| 21/03  | '738' | 00000  |                          |                                      |  |          |
| Random schedule?   |       | 1700/1730z   | 7827kHz/6793kHz          | (repeats next day at 1000z 10376kHz) |  |          |
| 01/03  | '480' | 762 45 26968 41395 63128.....94685 14422   |                          | RNGB                                 |  | SUN      |
| 03/03  | '480' | 359 41 37428 93523 64082.....56804 68700   | RNGB, JkC                | TUE                                  |  |          |
|  |       | transcript   |                          |                                      |  |          |
|  |       | '480' 359 41 37428 93523 64082 66656 82322 41345 47287 45244 79990 55125 53932 84261 81065 15116 11647 59750 38171 67320 81254 14907 |                          |                                      |  |          |
|  |       | 93502 03509 36186 95310 79960 07326 52160 18011 51109 63456 71343 84626 12319 77855 15874 69732 20702 50068 21427 56804 68700        |                          |                                      |  |          |
|  |       | 359 41 00000   |                          |                                      |  |          |
| 09/03  | '480' | 126 40 34415 80223 55958 41217 65183 29850 11428 29156 59073 50456 13597 38965 53912 84941 38489 09759 70477 07936 70893 69464       |                          |                                      |  |          |
|  |       | 49623 44813 70855 95057 73628 13974 60178 05871 95713 54413 29604 26043 90696 91313 23879 33264 70090 05259 79739 54765              |                          |                                      |  |          |
|  |       | 126 40 00000   |                          |                                      |  |          |
| 11/03  | '480' | 759 44 38242 46045 16619 94601 82040 46795 69921 55941 15903 64313 91653 67421 97700 61483 28452 43208 78646 87173 43262 04309       |                          |                                      |  |          |
|  |       | 72604 93390 46472 76509 47464 91755 34140 31170 87099 87476 50135 80378 77662 36926 77384 32258 43795 81190 22191 26184              |                          |                                      |  |          |
|  |       | 16869 81013 09636 99271 759 44 00000   |                          |                                      |  |          |
| 15/03  | '480' | 613 45 29892 12160 63004 98610 77027 77900 36871 19030 84327 99556 48826 40681 18838 64157 50440 33147 78759 64791 17214             |                          |                                      |  |          |
|  |       | 63791 24926 19009 37644 43254 57917 06973 93248 07056 26795 6861238242 46045 16619 94601 82040 46795 69921 55941 15903 64313         |                          |                                      |  |          |
|  |       | 68128 53518 23246 76308 38133 613 45 00000   |                          | JkC, Malc                            |  | SUN      |
| Groups 1-35 are groups 6-40 of 1700z, 13/04/14, groups 41-45 = groups 1-5 of same message, and group 36-40 = 6-10 of 1700z, 11/03/15 (Tks JkC) |       |  |                          |                                      |  |          |
| 17/03  | '480' | 579 42 85415 ... 91915 579 42  | 1712z Strong QRM1 QSB1   | JkC                                  | TUE Repeat of 18/03/14 with different DK |          |
| 22/03  | '480' | 261 43 07833 86229 49643 26658 00630 24939 66754 71222 25406 68514 42102 13665 14101 86553 84810 03156 37918 79230 59749 32740       |                          |                                      |  |          |
|  |       | 72604 93390 46472 76509 47464 91755 34140 31270 87099 87476 74804 95315 14409 02521 55044 77254 23497 29008 09380 93249 00790 29330  |                          |                                      |  |          |
|  |       | 09572 261 43 00000   |                          |                                      |  |          |
| 29/03  | '480' | 521 40 34507 52090 24544 08172 34242 12897 ... 94752 521 40 00000]   | 1711z Strong QRM1 QSB1   | JkC                                  | SUN See transcript                       |          |
|  |       | (used 6803kHz for 1730z sending)   |                          |                                      |  |          |



**10376kHz 1000z**

|       |  |                        |         |                        |
|-------|--|------------------------|---------|------------------------|
| 04/03 | ‘480’ 359 41 37428 ... 68700 359 41 00000]   | 1011z Strong QRM1 QSB1 | JkC     | WED Repeat of 03/03/15 |
| 10/03 | ‘480’ 126 40 34415 ... 54765 126 40 00000]   | 1011z Strong QRM1 QSB1 | JkC     | TUE Repeat of 09/03/15 |
| 12/03 | ‘480’ 759 44 38242 46045 ..... 09636 99271 00000 1015z   |                        | E.SMITH | THU                    |
| 16/03 | ‘480’ 613 45 29892 ... 38133 613 45 00000 (Repeat of 15/03)  | Strong QRM1 QSB1       | JkC     | MON                    |
| 18/03 | ‘480’ 579 42 85415 05660 12561 99127 26660 43262 00411 46085 73746 95785 34200 61430 27548 96964 43742 38222<br>82233 19822 36036 44229 96640 58228 64164 97053 71641 44441 06586 08875 20979 70370 05853 69226 10439 27337<br>32993 35938 53868 48569 32626 22126 84886 91515 |                        |         |                        |

|                 |       |       |                                       |                        |     |                     |
|-----------------|-------|-------|---------------------------------------|------------------------|-----|---------------------|
| <b>10387kHz</b> | 1605z | 03/03 | 1605z [I/P ... LG 50638 529 48 00000] | 1612z Strong QRM1 QSB1 | JkC | TUE No repeat found |
|-----------------|-------|-------|---------------------------------------|------------------------|-----|---------------------|

|                       |       |                                     |                        |     |                        |                               |
|-----------------------|-------|-------------------------------------|------------------------|-----|------------------------|-------------------------------|
| <b>14913kHz 1500z</b> | 04/03 | ‘387’ 529 48 85093 ... 50638 00000] | 1512z Strong QRM1 QSB1 | JkC | WED Repeat of 03/03/15 | 10387kHz 1600z See transcript |
|-----------------------|-------|-------------------------------------|------------------------|-----|------------------------|-------------------------------|

|                       |       |                                     |                        |     |     |
|-----------------------|-------|-------------------------------------|------------------------|-----|-----|
| <b>10387kHz 1600z</b> | 04/03 | ‘387’ 529 48 85093 ... 50638 00000] | 1612z Strong QRM1 QSB1 | JkC | WED |
|-----------------------|-------|-------------------------------------|------------------------|-----|-----|

|                       |       |   |
|-----------------------|-------|---|
| <b>14913kHz 1500z</b> | 04/03 | ‘387’ 529 48 85093 94858 32703 65186 83686 75083 83989 93723 62960 50180 76085 36902 60483 58653 51348 70674 15235 29470 49580 87026 32834 78153 02079 13069 73402 18654 78519 61723 20581 51394 54978 73746 04026 92038 19804 18058 85673 75953 37180 42598 83710 72397 21524 70927 10947 39296 82471 50638 529 48 00000 |
|-----------------------|-------|---|

**S06c**

|                |                             |                        |     |     |
|----------------|-----------------------------|------------------------|-----|-----|
| 11541kHz 1437z | 03/03 [I/P ... 11025 (R2m)] | 1612z Strong QRM1 QSB1 | JkC | TUE |
| 10815kHz 1835z | 03/03 [I/P ... 11098 (R4m)] | 1839z Strong QRM1 QSB1 | JkC | TUE |

**S06s log March:****Sunday**

|           |         |             |   |
|-----------|---------|-------------|---|
| 1st/8th   | 0630/40 | 22185/20050 | ‘524’ 819 6 49294 38064 31724 37234 39316 35660 |
| 15th/22nd |         |             | ‘524’ 879 6 41298 80740 89499 37303 88934 34302 |

**Monday**

|           |         |             |   |
|-----------|---------|-------------|---|
| 2nd/9th   | 0830/40 | 9220/8270   | ‘371’ 486 5 49294 38064 31724 37324 39316 |
| 16th/23rd |         |             | ‘371’ 429 5 99228 77544 04816 56447 51269 |
| 2nd/9th   | 0900/10 | 14580/13165 | ‘872’ 436 5 32086 48736 46387 30197 47381 |
| 16th/23rd |         |             | ‘872’ 431 5 03187 58842 55499 72223 55285 |
| 2nd/9th   | 1200/10 | 9145/11460  | ‘831’ 472 5 45326 30478 39686 37977 32397 |
| 16th/23rd |         |             | ‘831’ 264 5 99578 25364 35551 57588 28571 |

**Tuesday**

|           |         |             |   |
|-----------|---------|-------------|---|
| 3rd/10th  | 0600/10 | 15855/16485 | ‘438’ 519 6 38436 38632 35044 41354 31663 39739 |
| 17th/24th |         |             | ‘438’ 521 6 31704 91596 47308 92107 40398 65931 |
| 3rd/10th  | 0700/15 | 5760/6930   | ‘374’ 962 5 32035 31097 37410 32310 39727       |
| 17th/24th |         |             | ‘374’ 258 6 44531 34657 38307 45478 33654 81846 |
| 3rd/10th  | 0730/40 | 7425/11560  | ‘427’ 860 5 39742 42416 45268 47504 31287       |
| 17th/24th |         |             | ‘427’ 895 6 35353 33277 98950 88856 35140 33268 |
| 3rd/10th  | 0800/10 | 11635/10420 | ‘352’ 907 6 38034 37823 38230 48235 38702 44520 |
| 17th/24th |         |             | ‘352’ 809 6 40639 33180 48007 37230 46446 43475 |
| 3rd/10th  | 1000/10 | 6410/7340   | ‘893’ 240 5 40951 35790 31868 37023 31750       |
| 17th/24th |         |             | ‘893’ 254 6 37830 31671 36401 34072 83030 32732 |
| 3rd/10th  | 1100/10 | 6190/7230   | ‘754’ 290 6 42169 35797 33873 39235 93615 84408 |
| 17th/24th |         |             | ‘754’ 812 6 34917 36991 38643 30996 35333 32537 |
| 3rd/10th  | 1500/10 | 6464/7242   | ‘537’ 249 6 84674 89978 80361 49906 35794 82605 |
| 17th/24th |         |             | ‘537’ 849 6 40385 32934 45031 44076 46069 30354 |

**Wednesday**

|           |         |             |   |
|-----------|---------|-------------|---|
| 4th/11th  | 0820/30 | 8630/9255   | ‘471’ 802 5 63714 06657 71335 73525 32669                   |
| 18th/25th |         |             | ‘471’ 532 6 33845 39592 89375 35768 49239 356743            |
| 4th/11th  | 0830/40 | 11854/12140 | ‘745’ 206 8 33873 39235 93615 84408 42179 52573 39788 36311 |
| 18th/25th |         |             | ‘745’ 238 6 99825 42483 18958 37032 30770 46620             |
| 4th/11th  | 1000/10 | 13365/14505 | ‘729’ 543 6 25329 35516 44698 38818 33555 30176             |
| 18th/25th |         |             | ‘729’ 538 6 87723 94353 94358 91559 33577 84890             |
| 4th/11th  | 1230/40 |             | ‘967’ NRH   |
| 18th/25th |         |             |   |

**Thursday**

|                  |                |                    |   |
|------------------|----------------|--------------------|---|
| <b>5th/12th</b>  | <b>0800/10</b> | <b>14260/12930</b> | <b>‘674’ 803 5 38034 37823 38230 48235 38702</b>      |
| <b>19th/26th</b> |                |                    | <b>‘674’ 208 5 51972 38664 48339 91339 44254</b>      |
| 5th/12th         | 0900/10        | 5744/6524          | ‘624’ 973 5 31092 39190 46831 34173 32391             |
| 19th/26th        |                |                    | ‘624’ 978 5 47445 48683 89696 41965 90896             |
| 5th/12th         | 0900/10        | 12952/13565        | ‘167’ 930 5 32474 32388 49873 31492 34793             |
| 19th/26th        |                |                    | ‘167’ 824 5 46399 33972 30172 94305 39013             |
| 5th/12th         | 0930/40        | 9081/10514         | ‘314’ 520 6 37947 39747 31323 31829 47694 45680       |
| 19th/26th        |                |                    | ‘314’ 280 5 31070 91596 47308 92107 40398             |
| 5th/12th         | 1200/10        | 12415/14212        | ‘425’ 896 7 45346 49396 39623 32053 41782 11394 40307 |
| 19th/26th        |                |                    | ‘425’ 981 6 84674 89978 80361 49906 35794 82605       |

**Friday**

|          |         |           |   |
|----------|---------|-----------|---|
| 6th/13th | 0700/10 | 7795/8695 | ‘196’ 843 5 39394 35083 42571 32785 37331 |
|----------|---------|-----------|---|

|           |         |             |   |
|-----------|---------|-------------|---|
| 20th/27th |         |             | ‘196’ 803 5 34332 33212 36439 88358 44833             |
| 6th/13th  | 0800/10 | 6930/7755   | ‘278’ 461 5 43033 49330 37711 34969 37250             |
| 20th/27th |         |             | ‘278’ 495 6 30702 88959 89831 42097 88475 48179       |
| 6th/13th  | 0930/40 | 12140/13515 | ‘516’ 483 7 47076 33739 43384 33898 33715 42300 33860 |
| 20th/27th |         |             | ‘516’ 238 7 35415 40864 38771 39943 40136 35073 35640 |

#### Saturday

|     |         |            |   |
|-----|---------|------------|---|
| 7th | 1200/10 | 10350/8520 | ‘254’ 891 6 46062 68672 97478 39685 30485 96632 |
|-----|---------|------------|---|

Thanks to RNGB, JkC, Malc,PoSW

#### S06 log April

#### Daily Mon- Fri 0400z 15721kHz

|       |  |          |     |
|-------|--|----------|-----|
| 10/04 | ‘480’ 593 60 74292 92127 ..... 77842 54505 00000 0412z   | Ed Smith | FRI |
| 14/04 | ‘480’ 193 60 75624 24102 15449 16236 61620 26896 25419 05735 05705 21961 .....57514] 00000 0414z | Ed Smith | TUE |
| 15/04 | ‘480’ 529 60 79647 33227 34491 70370 37147 14932 73328.....04934 78106] 0412z Strong             | JkC      | WED |
| 16/04 | ‘480’ 163 50 45170 12101 99919 26537 30760 00147 76471.....61345 74714 00000] 0411z              | Ed Smith | THU |
| 17/04 | ‘480’ 752 60 54331 50833 ..... 90035 49555 00000] 0412z  | Ed Smith | FRI |
| 20/04 | ‘480’ 691 50 2813936712 50811 15198 20165 57178 4909.....95038 23091 691 50 00000] 0412z Fair    | JkC      | MON |
| 21/04 | ‘480’ 327 60 679 (12) .....rest unworkable] 0412z Weak QRM1 QSB3 (Hong Kong remote)              | JkC      | TUE |

#### Other ID 480 messages:

#### 10867/7473kHz 1700/1730z

|       |   |         |     |
|-------|---|---------|-----|
| 05/04 | ‘480’ 215 43 02603 75046 63126 93200 05567 33184....06941 43904 215 43 00000] 1711z Fair  | Spectre | SUN |
| 07/04 | ‘480’ 367 40 56799 23172 12538 90406 07709 11939.....84703  | RNGB    | TUE |
| 14/04 | ‘480’ 376 45 50135 90378 77662 36926 77384 32258 43795.....56318  | RNGB    | TUE |
| 19/04 | ‘480’ 915 42 49563 01154 35760 43827 70133 41841 91351.....31821 27269  | RNGB    | SUN |
| 21/04 | ‘480’ 267 43 73995 85328 87650 23576 55716 52066 01630 66200 57401 84853<br>00773 88198 03406 11905 45671 09335 66502 84676 22763 63948<br>35769 95824 79412 98651 94441 68080 27822 77305 23843 95883<br>08867 73626 67677 92924 75241 15470 32175 64478 75710 14096<br>55206 60429 13963 267 43 00000 | JkC     | TUE |

Messages repeat next day on 12121/10876kHz at 1000z/1030z

#### Thursdays (Repeats following day) 0830z 19078kHz 0930z 16318kHz

|       |   |         |
|-------|---|---------|
| 02/04 | ‘842’ 650 41 21763 88892 81630 92042 08985 99480 12752 67363... 79846 26535 650 41 00000] | Spectre |
| 09/04 | ‘842’ 931 42 15823 96357 14086 76351 72621 87785.....91683 64451]                         | RNGB    |
| 23/04 | ‘842’ 607 44 68529 57065 23466 02300 96879 28015 80737 84000.....                         | RNGB    |

#### Fridays (1st & 3rd) 1900z 9906khz 2000z 7512kHz

|               |             |
|---------------|-------------|
| 03/04 & 17/04 | ‘392’ 00000 |
|---------------|-------------|

#### Saturdays (1st/2nd/3rd and 4th) 1600z 7643kHz or 1605z 6819kHz

|       |             |
|-------|-------------|
| 04/04 | ‘491’ 00000 |
|-------|-------------|

#### Saturdays (1st/3rd) 1900z 5124kHz 2000z 4458kHz

|       |             |
|-------|-------------|
| 18/04 | ‘738’ 00000 |
|-------|-------------|

#### Temporary schedule? 1020z 19144kHz

|       |  |            |
|-------|--|------------|
| 02/04 | ‘216’ 307 54<br>20766 93066 69473 46965 41302 20474 44094 77807 33344 15430<br>20641 09498 37247 65627 42137 54973 81840 10893 61109 18832<br>74948 89542 40116 43735 54167 86011 58633 88548 96326 71935<br>87209 42917 09093 57875 14860 07941 53123 97878 40609 97662<br>68235 14060 65135 41038 02016 33383 43452 89083 64301 53843<br>84557 56884 55988 82231<br>307 54 00000       | JkC        |
| 03/04 | ‘216’ 948 53 04721 51075 76795 25456 45630 38794 30748.....62645 60124   | RNGB, Malc |
| 06/04 | ‘216’ 389 57 23737 60325 75005 31807 81486 26517 01268.....58594 39208   | RNGB       |
| 07/04 | ‘216’ 980 57 34784 08325 84821 10007 68239 39784 18785 41967 32797 56580 23892 28508 47375 23112 46133 94570<br>86648 37626 76138 65262 10898 50234 82991 53646 98695 95080 18834 02531 49608 72611 73959 78703 49109 42881<br>87092 43041 12882 15828 40519 44935 52708 49463 94772 14476 31128 91902 42563 50826 97048 28190 86621 30220<br>19506 17838 71167 82030 61756 980 57 00000 | Spectre    |

**22892kHz 1125z 03/04[I/P ... LG 86616 647 52 00000]1033z Strong QRM1 QSB1 JkC FRI See transcript**

..... 10362 23340 80070 34851 49094 70485 95610 73624 58387  
 44345 53357 61935 84435 30172 25945 69759 86183 42975 64850  
 11693 97622 32758 95363 65523 39402 36345 44458 55353 53205  
 42979 37516 78962 57301 65868 24832 84097 46743 36885 23849  
 23371 86616  
 647 52 00000

JkC

**22892khz 1120z** 06/04 '390' 278 54 63943 53116 52325 58194 77108 46784.....30137 40311  
**22892kHz 1120z** 07/04 '390' 641 52 86777 42434 45640 13373 70908 79850 90264 92848 93331 33492 47641  
 33302 02015 01863 78631 55706 60204 68066 08101 06148 82088 96868 03993 19927  
 97074 74827 71732 62322 97362 66928 31148 81961 48515 88162 68098 37710 67693  
 13476 78001 85048 99265 74547 43437 32851 42461 16807 13026 06514 10759 15159  
 73757 78369 641 52 00000

RNGB

**Unscheduled (training?)**

**10755kHz 0830z** 29/04 '975' repeated until 0904z then message: '975' 842 60 58743 23369 94540 97495.....74985 35374]

WED

**S06c**

8097kHz 1432z 17/04 [I/P ... 11029 (R2m)] 1434z Strong QRM1 QSB1

JkC

FRI

**S06s report:**

**ID 278** on Fridays has not been heard since 10th April. Moved time/frequency or ended?

Similarly **ID967** on Wednesdays. Though this one has always been very weak in the UK.

Many messages consisting of groups starting with the figure 3, followed by groups starting with figure 4

ID 167 a good example of this.

**S06s log:****Sunday**

5th/12th 0630/40 22185/20050 '524' 907 6 57773 71774 66244 39223 50703 41349  
 19th/26th '524' 873 6 42385 32934 45031 44076 46289 44976

**Monday**

6th/13th 0830/40 9220/8270 '371' 985 5 83727 94739 02818 43878 87193  
 20th/27th '371' 286 5 47769 54491 16564 91098 49243  
 6th/13th 0900/10 14580/13165 '872' 934 5 77564 68557 55851 93201 63176  
 20th/27th '872' 401 5 52341 17788 89585 82893 68275  
 6th/13th 1200/10 9145/11460 '831' 964 5 88620 58069 61732 74537 57440  
 20th/27th '831' 469 5 04868 44645 54958 80316 16556

**Tuesday**

7th/14th 0600/10 15855/16485 '438' 571 6 52501 63919 92699 14600 74248 48754  
 21st/28th '438' 297 5 15657 17985 62210 22309 70158  
 7th/14th 0700/15 5760/6930 '374' 286 5 30469 91779 42916 31113 39165  
 21st/28th '374' 209 5 81269 40276 38140 43355 40615  
 7th/14th 0730/40 7425/11560 '427' 501 6 46447 49386 38490 33058 31349 96680  
 21st/28th '427' 958 6 44988 37970 30283 36889 34422 38077  
 7th/14th 0800/10 11635/10420 '352' 987 6 45139 45424 41973 39587 86464 33214  
 21st/28th '352' 497 6 34331 33212 36439 88359 44833 32079  
 7th/14th 1000/10 6410/7340 '893' 547 6 84124 35344 34489 38590 36464 92049  
 21st/28th '893' 527 6 30720 43259 33366 46044 36844 87363  
 7th/14th 1100/10 6190/7230 '754' 289 6 71422 44599 36384 58353 40385 32934  
 21st/28th '754' 813 6 46125 36533 48389 49877 43257 38902  
 7th/14th 1500/10 6464/7242 '537' 489 6 35794 82605 38115 38949 36554 31370  
 21st/28th '537' 812 6 37938 42112 43936 40252 44073 85753

**Wednesday**

1st/8th 0820/30 8630/9255 '471' 523 6 33796 13577 74526 46647 79302 53516  
 15th/22nd '471' 936 5 41298 80740 89499 37303 88934  
 1st/8th 0830/40 11854/12140 '745' 236 8 52401 63919 92699 14600 74248 48754 54125 84648  
 15th/22nd '745' 832 6 40398 85417 38448 33485 42331 31859  
 1st/8th 1000/10 13365/14505 '729' 583 6 01405 15003 24357 60583 54545 50128  
 15th/22nd '729' 468 5 58963 32738 84354 84066 38067  
 1st/8th 1230/40 7620/8105 '967' NRH  
 15th/22nd

**Thursday**

2nd/9th 0800/10 14260/12930 '674' 810 5 31542 38747 33534 36213 37580  
 16th/23rd '674' 820 5 42900 58466 46645 43850 58546  
 2nd/9th 0900/10 5744/6524 '624' 893 5 33800 39231 39203 35239 80543  
 16th/23rd '624' 801 5 44475 30322 36034 45445 46518  
 2nd/9th 0900/10 12952/13565 '167' 942 5 33639 49162 38232 31416 39337

|           |         |             |   |
|-----------|---------|-------------|---|
| 16th/23rd |         |             | '167' 908 5 37545 40989 41691 43753 32543       |
| 2nd/9th   | 0930/40 | 9081/10514  | '314' 905 32939 43631 32939 31096 35264 39240   |
| 16th/23rd |         |             | '314' 826 5 30588 39344 37296 27378 44986       |
| 2nd/9th   | 1200/10 | 12415/14212 | '425' 897 6 38137 42961 35392 34130 36393 35423 |
| 16th/23rd |         |             | '425' 937 6 39698 45454 35803 47332 34067 43753 |

#### Friday

|           |         |             |   |
|-----------|---------|-------------|---|
| 3rd/10th  | 0700/10 | 7795/8695   | '196' 250 7 47423 41305 39290 31456 45013             |
| 17th/24th |         |             | '196' 403 5 34031 33430 48536 84906 85518             |
| 3rd/10th  | 0800/10 | 6930/7755   | '278' 953 6 18969 84008 83450 42868 26318 36534       |
| 17th/24th |         |             | '278' NRH   |
| 3rd/10th  | 930/40  | 12140/13515 | '516' 408 7 44531 34657 38307 45478 33654 32076 88435 |
| 17th/24th |         |             | '516' 498 7 43337 89152 46544 36478 31318 36184 37650 |

#### Saturday

|     |         |            |   |
|-----|---------|------------|---|
| 4th | 1200/10 | 10350/8520 | '254' 937 6 80939 34431 94276 54537 54928 33165 |
|-----|---------|------------|---|

Thanks to RRGB, JkC, Malc, Spectre

#### Peter's take on S06, Russian man and S06s

##### S06 RUSSIAN OM

Several interesting developments observed in March, including a schedule with "480" call, at 1700 UTC with a repeat half an hour later instead of the more usual one hour, group count always forty-something. Moved to higher frequencies in April.

##### 1700 + 1730 UTC Schedule:-

9-Mar-15, Monday:- 1700 UTC, 7,827 kHz, S06 OM with "480" call-up, DK/GC "126 126 40 40". S9 signal, ended 1711 UTC. An S06 with call "480" was noted in March and April last year with a repeat half an hour later, not the standard one hour, and this was the case today:-  
1730 UTC, 6,793 kHz, second sending, S9.

11-Mar-15, Wednesday:- 1700 UTC, 7,827 kHz, "480" call-up, and something unusual here, the E06 OM voice could be heard underneath the S06, some kind of cross-talk or mixing at the transmitter site, no doubt. Left S06 to search for possible E06 transmission, found it on 8,116 kHz with "534" call-up. Returned to the S06 when the 5Fs were in progress, ended after 1712 UTC with, "759 759 44 44 00000"  
1730 UTC, 6,793 kHz, second sending, S9 signal.

15-Mar-15, Sunday:- 1730 UTC, 6,793 kHz, found by chance, missed the 1700 UTC sending, perhaps this schedule ran on the 13<sup>th</sup>, Friday, which suggests alternate days schedule. "480" and "613 613 45 45".  
Did not appear on Monday the 16<sup>th</sup> but showed up again on Saint Patrick's Day:-

17-Mar-15, Tuesday:- 1700 UTC, 7,827 kHz, call "480", DK/GC "579 579 42 42". Much weaker signal than on previous occasions, S4 to S5 at best.  
1730 UTC, 6,793 kHz, second sending, also weaker, S5 to S6.

No sign of this schedule on either Wednesday the 18<sup>th</sup> or Thursday the 19<sup>th</sup>, assumed that it had ended; but not so:-

22-Mar-15, Sunday:- 1708 UTC, 7,827 kHz, surprised to find a transmission in progress, signal strength varying from an indicated S7 to S9, ended just before 1712 UTC with, "261 261 43 43 00000".  
1730 UTC, 6,793 kHz, second sending, "480" and "261 261 43 43", S9 signal.  
Not heard on Monday 23-March.

24-Mar-15, Tuesday:- 1700 UTC, 7,827 kHz, "480", DK/GC "379 379 40 40", peaking over S9.  
1730 UTC, 6,793 kHz, second sending, S9.

29-Mar-15, Sunday:- 1700 UTC, 7,827 kHz, has stayed on UTC with the start of British Summer Time today, now shows up at 6 PM. Call "480", DK/GC "521 521 40 40". S9 signal.  
1730 UTC, 6,803 kHz, "ten up" on all previous loggings, second sending, S9.  
Not found on Monday the 30<sup>th</sup>.

31-Mar-15, Tuesday:- 1700 UTC, 7,827 kHz, call "480", DK/GC "796 796 42 42", S9.  
1730 UTC, 6,793 kHz, second sending, peaking well over S9.

Found it had moved to higher frequencies in April:-

5-Apr-15, Sunday:- 1700 UTC, 10,867 kHz, found about three minutes into the "480" call-up, DK/GC "215 215 43 43", group count is always in the forties, S9 signal.  
1730 UTC, 7,473 kHz, second sending, did not expect it to be this low in frequency, spent three minutes tuning around the eight and nine MHz part of the spectrum and was about to give up but happened to tune down to 7,473. S9 signal.

7-Apr-15, Tuesday:- 1700 UTC, 10,867 kHz, "480" and DK/GC "367 367 40 40". Distinct background noise, often noted with this schedule.  
1730 UTC, 7,473 kHz, second sending, slight side-band splash from a BC station on a close frequency. Was not on yesterday, Monday the 6<sup>th</sup>, appears to have settled down to a Sunday + Tuesday schedule although was heard on a Monday and a Wednesday in early March.

12-April-15, Sunday:- 1700 UTC, 10,867 kHz, "480" and "259 259 41 41", the usual S9 signal.  
1730 UTC, 7,473 kHz, second sending, peaking well over S9. I had checked 10,867 at 1700 UTC, of shortly after, on the other days since the 7<sup>th</sup>, no sign of S06.

14-Apr-15, Tuesday:- 1700 UTC, 10,867 kHz, call “480” as always, DK/GC “376 376 45 45”. An ‘S’ point or two weaker than usual, S7 to S8. 1730 UTC, 7,473 kHz, second sending, stronger signal, over S9. There is always background noise on the carrier with this schedule before the transmission starts and when the voice stops if the carrier stays on for a short while, roars away like a jet engine, not noted on other S06 transmissions. Also in the background at a much reduced level while the transmission itself is in progress.

19-Apr-15, Sunday:- 1700 UTC, 10,867 kHz, “480” and “915 915 42 42”, S7 to S8. 1730 UTC, 7,473 kHz, second sending, S9.

21-Apr-15, Tuesday:- 1700 UTC, 10,867 kHz, “480” and “267 267 43 43”, group count continues to be always forty – something, signal strength peaking over S9. 1730 UTC, 7,473 kHz, second sending, S9 with QSB.

#### A Tuesday Schedule:-

3-Mar-15:- 1600 UTC, 10,387 kHz, calling “387”, DK/GC “529 529 48 48”. S5 to S6, ended after 1612 UTC. No repeat found at 1700 UTC but there was a “next day repeat”:-

4-Mar-15 Wednesday:- 1600 UTC, 10,387 kHz, “387” and “529 529 48 48”. Again, unable to find a repeat transmission at 1700 UTC, and on the off-chance that it might show up today I had also had a quick and fruitless tune around at 1500 UTC in case the 1600 sending was the second of two. Unable to find this one in April.

#### First + Third Fridays in the Month Schedule:-

S06 with call “392” had been logged in January at 2000 + 2100 UTC but in February had moved to 1900 + 2000 UTC. Unable to find on the first Friday of March but found again on the third Friday, returned to 2000 + 2100 UTC, on higher frequencies:-

20-Mar-15:- 2000 UTC, 9,906 kHz, found about three minutes into the transmission, “392 392 392 00000”. Weak signal and close to a strong broadcast station on the LF side with extremely distorted audio, removed by using the receiver in USB mode.

2100 UTC, 7,507 kHz, second sending, much better copy, S6 to S7 on a clear frequency between broadcasters on 7,495 and 7,520, not close enough in frequency to be a problem.

In April this schedule moved by one hour so still appears at 8 and 9 PM in the UK:-

3-Apr-15:- 1900 UTC, 9,906 kHz, “392 393 392 00000”, strength S7. The broadcast station noted a few kHz on the low frequency side in March has gone.

2000 UTC, 7,512 kHz, second sending, surprisingly weak signal, S3 or S4 at best, down in the local noise, 5 kHz up on last time, took over a minute of tuning around to find it.

17-Apr-15:- 1900 UTC, 9,906 kHz, “392 392 392 00000”, weak signal. 2000 UTC, 7,512 kHz, second sending, S8 to S9.

On to a couple of more long-standing schedules:-

#### Weekly Saturday 1600 or 1605 UTC Schedule:-

7-Mar-15:- 1600 UTC, 7,643 kHz, “491 491 491 00000”, S9 signal, seasonal change of frequencies from 6,778 or 5,073 kHz, + or -, used in January and February. Strong FSK signal on HF side, I think this is one of the several radio Teletype outlets of the German Weather Service.

21-Mar-15:- 1600 UTC, 7,643 kHz, “491 491 491 00000”, S9 with RTTY on HF side.

28-Mar-15:- 1600 UTC, 7,633 kHz, “491 491 491 00000”, S9, 10kHz lower than before, well away from German Teletype.

4-Apr-15:- 1605 UTC, 6,819 kHz, “491 491 491 00000”, S9, first time for a while the “H + five minutes” start-up used.

11-Apr-15:- 1605 UTC, 6,809 kHz, 10 kHz lower than last time, “491 491 491 00000”, S7 to S8.

18-Apr-15:- 1600 UTC, 7,643 kHz, “491 491 491 00000”, S6 to S7, back close to the RTTY signal a bit HF.

25-Apr-15:- 1600 UTC, 7,653 kHz, on the HF side of the RTTY station, “491 491 491 00000”, up to signal strength S8.

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

7-Mar-15:- 2000 UTC, 5,124 kHz, “738 738 738 00000”, S8 signal.

2100 UTC, 4,443 kHz, second sending, peaking S9.

Seasonal change of frequencies from 4,047 and 3,508 kHz, give or take, used in January and February.

In April this schedule moved by one hour with the changing of the clocks for summertime so still shows up at 8 PM and 9 PM in the UK:-

18-Apr-15:- 1900 UTC, 5,124 kHz, “738 738 738 00000”, S9 with rapid QSB.

2000 UTC, 4,458 kHz, second sending, suffering from a carrier sweeping at about a one – second rate.

#### S06s RUSSIAN YL

Some of the more readily heard S06s schedules heard in the UK day time; those shown on lower frequencies in the prediction lists not making it with readable signals.

#### Monday 1200 + 1210 UTC Schedule, Call “831”:-

9-Mar-15:- 1210 UTC, 11,460 kHz, DK/GC “472 472 5 5”, “45326 30478 39686 37977 32397”, all “query”, weak signal, difficult copy. Prediction lists suggest 9,145 kHz for the 1200 UTC sending, but nothing heard.

16-Mar-15:- 1200 UTC, 9,145 kHz, definitely here today although a weak signal. DK/GC “264 264 5 5”, “99578 25364 35551 57588 28571”. 1210 UTC, 11,460 kHz, second sending, stronger signal than last week, S7.

6-Apr-15:- 1200 UTC, 9,145 kHz, very weak signal, could just make out the “831” call-up preamble. Now on at 1 PM British Summer Time. 1210 UTC, 11,460 kHz, second sending S5 to S6, much better copy, DK/GC “964 964 5 5”. “88620 58069 61732 74537 57440”.

Tuesday 0800 + 0810 UTC Schedule, Call "352":-

7-Apr-15:- 0800 UTC, 11,635 kHz, S7 signal over-riding a much weaker HM01 which had started up well over a minute before the hour, DK/GC "987 987 6 6", "45139 45424 41973 39587 86464 33214".

0810 UTC, 10,420 kHz, second sending, weak signal competing with local noise interference, reasonable copy with the receiver in USB mode.

Wednesday 1000 + 1010 UTC Schedule, Call "729":-

4-Mar-15:- 1000 UTC, 13,365 kHz, S9+ very strong signal, DK/GC "543 543 6 6", "25329 35516 44698 38818 33555 30176. A distinct pause between 5F groups five and six.

1010 UTC, 14,505 kHz, second sending, peaking over S9.

11-Mar-15:- 1000 UTC:- 13,365 kHz, S9+ signal, DK/GC "543 543 6 6", 5Fs the same as last Wednesday.

1010 UTC, 14,505 kHz, second sending, S9.

18-Mar-15:- 1000 UTC, 13,365 kHz, DK/GC "538 538 6 6". "87723 94353 94358 91559 33577 84890". Much weaker signal than on past occasions, S5 to S6 at best.

1010 UTC, 14,505 kHz, second sending, also weaker than usual, S7 to S8. Maybe something going on with the ionosphere, the *Daily Telegraph* on line had a report of a spectacular display of the Aurora Borealis last night, seen as far south as Derbyshire.

25-Mar-15:- 1000 UTC, 13,365 kHz, DK/GC "538 538 6 6", 5Fs same as last Wednesday, S9 signal.

1010 UTC, 14,505 kHz, second sending, S9+.

1-Apr-15:- 1000 UTC, 13,365 kHz, DK/GC "583 583 6 6", S7, weaker than usual, "01405 15003 24357 60583 54545 50128".

1010 UTC, 14,505 kHz, second sending, also weaker than usual, S6 to S7.

15-Apr-15:- 1000 UTC, 13,365 kHz, DK/GC "468 468 5 5", "58963 32738 84354 84066 38067", S6 to S7.

1010 UTC, 14,505 kHz, second sending, S6 at best, much weaker than in March.

22-Apr-15:- 1000 UTC, 13,365 kHz, DK/GC "468 468 5 5", "58963 32738 84354 84066 38067", And I have just realised this is the same message as last week! S5 to S6 at best.

1010 UTC, 14,505 kHz, second sending, peaking S7 with deep fading.

Thursday 0900 + 0910 UTC Schedule, Call "167":-

5-Mar-15:- 0900 UTC, 12,952 kHz, DK/GC "930 930 5 5". "32474 32388 49873 31492 34793". S9+ signal.

0910 UTC, 13,565 kHz, second sending, also S9+.

12-Mar-15:- 0900 UTC, 12,952 kHz, "930 930 5 5", 5F groups the same as last Thursday. S9+, very strong signal.

0910 UTC, 13,565 kHz, second sending with an S9+ signal.

19-Mar-15:- 0900 UTC, 12,952 kHz, DK/GC "824 824 5 5". "46399 33972 30172 94305 39013". S9+, very strong signal.

0910 UTC, 13,565 kHz, second sending, also S9+.

2-Apr-15:- 0900 UTC, 12,952 kHz, DK/GC "942 942 5 5", "33639 49162 38232 31416 39337", S7 to S9.

0910 UTC, 13,565 kHz with an S9 signal.

23-Apr-15:- 0900 UTC, 12,952 kHz, DK/GC "908 908 5 5", "37545 40989 41691 43753 32543", S7 to S8.

0910 UTC, 13,565 kHz, second sending, signal strength up to S9.

Thursday 1200 + 1210 UTC Schedule, Call "425":-

5-Mar-15:- 1204 UTC, 12,415 kHz, just caught the end of an S9+ transmission, finishing with, "896 896 7 7 00000".

1210 UTC, 14,212 kHz, S9+ signal inside the 20 metre amateur band, DK/GC "896 896 7 7", "45346 49396 39623 32053 81782 11394 40307".

12-Mar-15:- 1200 UTC, 12,415 kHz, S9 signal, in keeping with the current trend DK GC and 5F groups the same as last week.

1210 UTC, 14,212 kHz, second sending with an S9 signal.

26-Mar-15:- 1200 UTC, 12,415 kHz, DK/GC "981 981 6 6", "84674 89978 80361 49906 35794 82605", peaking over S9.

1210 UTC, 14,212 kHz, second sending, very strong S9+ signal.

Friday 0930 + 0940 UTC Schedule, Call "516":-

6-Mar-15:- 0930 UTC, 12,140 kHz, S9+ signal, DK/GC "483 483 7 7", "47076 33739 43384 33898 33715 42300 33860".

0940 UTC, 13,515 kHz, second sending, peaking well over S9.

13-Mar-15:- 0930 UTC, 12,140 kHz, DK/GC "483 483 7 7", 5F groups same as last week continuing the theme. Peaking well over an indicated S9.

0940 UTC, 13,515 kHz, second sending, also over S9.

20-Mar-15:- 0940 UTC, 13,515 kHz, DK/GC "238 238 7 7", "35415 40864 38771 39943 40136 35073 35640". S9+, very strong signal.

Missed the 0930 sending, partial solar eclipse this morning, total further north, thick cloud cover making any observation impossible here, tuning around the short-wave bands to see if there was any noticeable effect, nothing really of note - but inside the 160 metre amateur band, 1810 kHz, logged amateur CW sending ".....DE G3RAU G3RAU G3RAU TEST TEST TEST".....", over and over so presumably some investigation into propagation going on here.

27-Mar-15:- 0930 UTC, 12,140 kHz, DK/GC "238 238 7 7", same 5F groups as last Friday, S9+, very strong signal.

0940 UTC, 13,515 kHz second sending, S9.

3-Apr-15:- 0930 UTC, 12,140 kHz, weaker than is usual, S5 at best, DK/GC "408 408 7 7",

"44531 34657 38307 45478 33654 32076 88435".

0940 UTC, 13,515 kHz, second sending, also weaker than usual, S6

## Spectre's transcripts

S06 5124kHz 1900z 04/04 [738 00000] 1904z Fair QRN3 QSB3 Spectre SAT

10867kHz 1700z 05/04 [480 215 43 02603 ... 43904 215 43 00000] 1711z Fair QRN3 QSB3 Spectre SUN  
1700z 07/04 [480 367 40 56799 ... 84703 367 40 00000] 1711z Fair QRN3 QSB3 Spectre TUE

S06 10867kHz 1700z 05/04 Transcript:

480 215 43  
02603 75046 63126 93200 05567 33184 27254 97132 66210 05386  
26587 61794 94171 51830 16588 53845 27434 80054 52460 60498  
55954 66529 57799 29559 17506 13724 12502 07085 95026 39742  
66180 99221 99945 62554 78683 21360 93558 03133 92306 47712  
10558 06941 43904  
215 43 00000

S06 10867kHz 1700z 07/04 Transcript:

480 367 40  
56799 23172 12538 90406 07470 11939 47843 07747 55616 13621  
64722 61188 95389 50048 29275 46166 33523 55941 82452 21222  
19101 18485 00621 22894 94543 02359 17202 33903 47724 14863  
70931 67461 66089 57923 15689 38290 64137 99288 71561 84703  
367 40 00000

15721kHz 0410z 15/04 [480 529 60 79647 ... 78106 529 60 00000] 0427z Fair QRN3 QSB3 Spectre WED

S06 15721kHz 0410z 15/04 Transcript:

480 529 60  
79647 33227 34491 70370 36147 14932 73328 87489 93351 43654  
53786 90719 97693 23802 34118 27353 40788 64209 87274 81061  
10600 27711 17546 98867 45043 92932 38247 23290 11479 45467  
96364 59355 60506 40641 55121 31162 27527 05042 70385 07675  
80489 69010 21866 02454 37265 47275 85029 76990 01093 09915  
54682 02352 87527 10844 56137 58801 41325 66008 04934 78106  
529 40 00000

16318kHz 0930z 03/04 [842 650 41 21763 ... 26535 650 41 00000] 0941z Fair QRN3 QSB3 Spectre FRI

S06 16318kHz 0930z 03/04 Transcript:

842 650 41  
21763 88892 81630 92042 08985 99480 12752 67363 28189 28726  
26149 75574 02242 98239 41381 46974 20109 15244 81441 05976  
26093 87452 90937 80766 61888 02124 75073 16974 28662 05200  
39124 93775 61337 41487 33079 65883 32274 41811 31155 79846  
26535  
650 41 00000

19078kHz 0830z 02/04 [842 650 41 21763 ... 26535 650 41 00000] 0841z Fair QRN3 QSB3 Spectre THU  
0830z 09/04 [842 931 42 15823 ... 64451 931 42 00000] 0841z Fair QRN3 QSB3 Spectre THU

S06 19078kHz 0830z 02/04 Transcript:

842 650 41  
21763 88892 81630 92042 08985 99480 12752 67363 28189 28726  
26149 75574 02242 98239 41381 46974 20109 15244 81441 05976  
26093 87452 90937 80766 61888 02124 75073 16974 28662 05200  
39124 93775 61337 41487 33079 65883 32274 41811 31155 79846  
26535  
650 41 00000

S06 19078kHz 0830z 09/04 Transcript:

842 931 42  
15823 96357 14086 76351 72621 87785 03210 56014 11763 40652  
18475 12681 25217 00623 92284 03751 51912 96987 19304 18647  
94406 94753 60683 18651 11824 28089 55007 10436 81247 76041  
40680 76720 44765 66513 19419 12495 84335 19321 15551 40250  
91683 64451  
931 42 00000

19144kHz 1020z 02/04 [216 307 53 20766 ... 82231 307 53 00000] 1035z Fair QRN3 QSB3 Spectre THU  
1020z 07/04 [216 980 57 34784 ... 61756 980 57 00000] 1036z Fair QRN3 QSB3 Spectre TUE

S06 19144kHz 1020z 02/04 Transcript:

216 307 54  
20766 93066 69473 46965 41302 20474 44094 77807 33344 15430  
20641 09498 37247 65627 42137 54973 81840 10893 61109 18832  
74948 89542 40116 43735 54167 86011 58633 88548 96326 71935

87209 42917 09093 57875 14860 07941 53123 97878 40609 97662  
68235 14060 65135 41038 02016 33383 43452 89083 64301 53843  
84557 56884 55988 82231  
307 54 00000

S06 19144kHz 1020z 07/04 Transcript:

216 980 57  
34784 08325 84821 10007 68239 39784 18785 41967 32797 56580  
23892 28508 47375 23112 46133 94570 86648 37626 76138 65262  
10898 50234 82991 53646 98695 95080 18834 02531 49608 72611  
73959 78703 49109 42881 87092 43041 12882 15828 40519 44935  
52708 49463 94772 14476 31128 91902 42563 50826 97048 28190  
86621 30220 19506 17838 71167 82030 61756  
980 57 00000

# S11a log Jan/Feb

|          |       |  |              |     |
|----------|-------|--|--------------|-----|
| 4016kHz  | 1955z | 06/03 [379/34 35345 14271 35040 58015 68190 11065 20409 22977 97501.....90650 48234]           | RNGB, JkC    | FRI |
|          | 1955z | 11/03 [371/00]   | Karsten      | WED |
|          | 1955z | 18/03 [371/00]   | Malc         | WED |
|          | 1955z | 20/03 [371/00] Конец 1958z Strong QRM1 QSB1  | JkC          | FRI |
|          | 1955z | 25/03 [371/00] S9+10   | Malc         | WED |
|          | 1955z | 27/03 [371/00] Конец 1958z Strong QRM1 QSB1  | JkC          | FRI |
|          | 1955z | 08/04 [371/30 Внимание 20694 51252 91862 47958 88559 68447 19603 21722.....05437 63130]        | JkC, RNGB    | WED |
|          | 1955z | 10/04 [371/30 20694....etc] Repeat of Wednesday  | Malc         | FRI |
|          | 1955z | 17/04 [371/00] Конец 1958z Strong QRM1 QSB1  | JkC          | FRI |
| 5358kHz  | 0455z | 10/03 [321/00] Конец 0458z   | Ed Smith     | TUE |
|          | 0455z | 24/03 [321/00] Конец 0458z   | Ed Smith     | TUE |
|          | 0455z | 07/04 [321/00] Конец 0458z   | Ed Smith     | TUE |
|          | 0455z | 10/04 [321/00] 0458z Fair QRN3 QSB3  | Spectre      | FRI |
|          | 0455z | 14/04 [321/00]   | Ed Smith     | TUE |
|          | 0455z | 21/04 [320/32 Внимание 99252 93430 61618 44105 68835 84969 78667 35677 56461 .....46713 83293] | JkC          | TUE |
| 5815kHz  | 1020z | 04/03 [221/00]   | RNGB         | WED |
|          | 1020z | 07/03 [221/00] 1023z   | Ed Smith     | SAT |
|          | 1020z | 18/03 [221/00]   | Ed Smith     | WED |
|          | 1020z | 28/03 [225/32 Внимание 38747 14373 07902 42162 77541 48055 64038 91553.....75291 42230]        | JkC          | SAT |
|          | 1020z | 01/14 [221/00] Конец 1023z S2  | Malc         | WED |
|          | 1020z | 08/04 [221/00] Конец 1023z Very Weak QRM1 QSB2   | JkC, Spectre | WED |
| 7317kHz  | 0915z | 03/03 [484/00]   | RNGB, Malc   | TUE |
|          | 0915z | 10/03 [484/00] Конец 0918z   | Ed Smith     | TUE |
|          | 0915z | 13/03 [484/00] Конец 0918z S3  | Malc         | FRI |
|          | 0915z | 17/03 [487/37 72272 94160 29482 79925 22857 74113.....48140 51922]                             | RNGB         | TUE |
|          | 0915z | 24/03 [484/00]   | Ed Smith     | TUE |
|          | 0915z | 27/03 [484/00] Конец 0918z Strong QRM1 QSB1  | JkC          | FRI |
|          | 0915z | 31/03 [484/00] Weak  | RNGB         | TUE |
|          | 0915z | 07/04 [485/30 53095 36224 68633 70748 62418 27008 18556 66029 91246.....03589 73032]           | Ed Smith     | TUE |
|          | 0915z | 14/04 [484/00]   | Ed Smith     | TUE |
|          | 0915z | 24/04 [484/00]   | Malc         | FRI |
| 9960kHz  | 1020z | 28/04 [484/00] Конец 0918z S4  | Malc         | TUE |
|          | 1020z | 03/03 [426/00]   | RNGB, Malc   | TUE |
|          | 1020z | 10/03 [426/33 25292 04433 69792 22446 91973 20157 44745 10141.....72144 27562] КОЕЦ            | Ed Smith     | TUE |
|          | 1020z | 13/03 [426/33 25292.....etc] Repeat of Tuesday   | Malc         | FRI |
|          | 1020z | 17/03 [426/00]   | Ed Smith     | TUE |
|          | 1020z | 17/03 [426/00]   | Ed Smith     | TUE |
|          | 1020z | 27/03 [426/00] Конец 1023z Strong QRM1 QSB1  | JkC          | FRI |
|          | 1020z | 07/04 [426/00]   | Ed Smith     | TUE |
|          | 1020z | 14/04 [426/00]   | Ed Smith     | TUE |
|          | 1020z | 28/04 [426/00] Конец 1023z S3  | Malc         | TUE |
| 16112kHz | 1015z | 02/03 [475/00] S2  | Malc         | MON |
|          | 1015z | 05/03 [475/00] S4  | Malc         | THU |
|          | 1015z | 09/03 [475/00]   | RNGB         | MON |
|          | 1015z | 23/03 [475/30 10329 55802 80468 49509 57368.....etc]   | RNGB         | MON |
|          | 1015z | 30/03 [475/00] Конец 1011z Fair QRM1 QSB3  | JkC          | MON |
|          | 1015z | 06/04 [475/00]   | RNGB         | MON |
|          | 1015z | 09/04 [475/00]   | Ed Smith     | THU |
|          | 1015z | 23/04 [475/00]   | RNGB         | THU |



V02a was almost entirely absent during the March/April time period. The very briefest of transmissions occurred on 28/4 on 7554kHz at 2000z

**V07**  
**March 2015**  
**Sunday**

883 1 238 73  
74302 15421 02238 97405 95210  
23421 91990 10031 55237 07013  
38377 82515 48547 45443 10195  
12911 89103 83291 43919 55912  
14173 40775 38904 18174 97000  
57939 43319 99553 85587 98301  
49053 70812 94933 03728 23130  
71558 13511 79313 98331 17453  
93727 73347 12227 52735 13394  
98729 57084 51423 91244 23492  
39473 84315 72715 12247 73351  
17050 73083 01130 37537 25215  
53239 32314 70457 39399 73314  
79738 28318 70704 03200 34038  
42247 31833 97302 000 200

|       |         |      |
|-------|---------|------|
| 15/03 | 883 000 | Fair |
| 22/03 | 883 000 | Weak |
| 29/03 | 883 000 | Weak |

|       |         |                   |
|-------|---------|-------------------|
| 12/04 | 845 000 | Weak [Poor condx] |
|-------|---------|-------------------|

15388kHz 0300z 13/03 - 0327z AM E.SMITH FRI

V21 has continued transmitting on 5637 and 6529kHz but as we move into the summer months the signals seem to be getting very weak. All transmissions noted over the period have been counting only with none of the longer strings of numbers heard. One operator on 6529kHz apparently dislikes the numbers 31 to 40 and almost always excludes them from his counts. 8/3 and 11/3 were transmissions that lasted 30 minutes or more. That's a lot of counting! On 8/3 two different operators were heard during a single transmission.

[illegible]

V21 6529kHz 1400z 3/3 [60, (skips 31-40), becomes too weak to copy] TUE

V21 6529kHz 1430z 5/3 [60, (skips 31-40), becomes too weak to copy] THU

V21 6529kHz 1400z 6/3 [100, 50, 100, 50, becomes too weak to copy.] FRI

V21 6529kHz 1410z 7/3 [30, 20, 40, 30, 30, 40, 40, 70, 40, 40, 10, 40, 10, 10, ??, becomes too weak to copy.] extremely weak signal. SAT

V21 6529kHz 1300z 8/3 [50, 30, 40, 40, 20, 20, 30, 20 (new voice starts) 40, 20, 20, 30, 30, 20, 40, 30, 10, 10, 30, 50, 40, 30, 60, 40, 40, 30, 60, 29, 60, 60, 100, 100, 60, 60, 60, 40 END] TX lasted 37 minutes. SUN

V21 5637kHz 1300z 9/3 Present but too weak to copy. MON

V21 6529kHz 1300z 9/3 [30, 30, 20, 30, 40, 30, 30, 40, 10, 30, 30, 30, 50, 60 (repeats 41-50 twice), 60, 30, (6 minute pause), 100, 50, 50, 40, 50, 20, 10 END]  
MON

V21 5637kHz 1300z 10/3 Present but too weak to copy. TUE

V21 6529kHz 13002 10/3 Present but too weak to copy. PGE  
 21 6529kHz 13002 10/3 [60 (skips 31-40), 20, 60 (skips 31-40), 60 (skips 31-40) and repeats 51-60), 60 (skips 31-40), 60 (skips 31-40), 60  
 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 30, 20, 60 (skips 31-40), 30 END] MON

[illegible]

V21 6529kHz 1300z 14/3 [60 (skips 31-40) then becomes too weak to copy. SAT

V21 6529kHz 1300z 16/3 [50, 10, 30, 20 (counts 11-20 twice), 60, 70, 40, 30, 20 END] MON

V21 5637kHz 1135z 17/3 [49, 38 (repeats 22 and 26), 49, 49 END] TUE

V21 6087kHz 1100Z 17/3 [49; 58 (repeats 22 and 28); 47; 49 END] TUE  
V21 6529kHz 1300z 17/3 [60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40)]  
some chat including the word "correct" END] TUE

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V21 6529kHz 1300z 18/3 [Start at 11 counting to 30, also counts 21-30 twice, 60, 30, 60, 70, 30, 30, 30, 30, 30, 30, 40, 30, 20, 60, 30, 10, 10 END] WED  
V21 6529kHz 1300z 19/3 Present but too weak to copy. THU  
V21 6529kHz 1300z 19/3 [50, 20, 40, 30, 30, 40, 40, 30, 40, 50, 30, 40, 40, 60, 60, 120, 100 END] Some spanish chat at the end. THU  
V21 6529kHz 1300z 20/3 [60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 20 END] FRI  
V21 6529kHz 1255z 23/3 [40, 70, 70, 50, 50, 60, 50, 10, 50, 60, 50, 30, 20, 50 (counts 31-40 twice), 40,  
V21 5637kHz 1310z 22/3 [50, 50, 50, 38, 16, 22, 50, 50, 16 END] MON  
V21 5637kHz 1310z 24/3 [22, 3, 50, 40, 50, 50, fades at 29, 50, 50, fades at 23, 50, ??, 30, 50, 50, 30, 40, 50, 50, 1, 38, 50, 50, too weak to copy for 3 minutes,  
40, 46, 42, 50, too weak to copy for 2 minutes, 50 END] TUE  
V21 6529kHz 1300z 24/3 [60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 20 END] TUE  
V21 6529kHz 1300z 26/3 Present but too much lightning noise for good copy] THU  
V21 6529kHz 1300z 30/3 Present but very weak, only one count between 41 and 60 was audible. MON  
V21 6529kHz 1240z 31/3 Found in progress, very weak. Some counts up to 60 audible. TUE  
V21 6529kHz 1300z 1/4 [60, 50, becomes mostly too weak to copy] WED  
V21 5637kHz 1210z 3/4 [32, 25, 17, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 5, 32, 32, 32 END] FRI  
V21 6529kHz 1300z 3/4 [60 (skips 31-40), ??, 60 (skips 31-40), 20 END] FRI  
V21 6529kHz 1300z 4/4 [present but too weak to copy] SAT  
V21 5637kHz 1300z 5/4 Present but too weak to copy. SUN  
V21 5637kHz 1230z 6/4 [too weak to copy then 49, 46, 49 (repeats 22 three times), 32 (repeats 22 four times), 49 (repeats 22 three times), 10 END] MON  
V21 6529kHz 1300z 6/4 [??, 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 60 (skips 31-40), 30, 60 (skips 31-40), becomes too weak to copy.] MON  
V21 6529kHz 1300z 10/4 Present but too weak to copy. FRI  
V21 6529kHz 1300z 11/4 [30, 10, 70, 30, 30, 10 END] SAT  
V21 6529kHz 1300z 14/4 [60 (Skips 31-40), 60 (Skips 31-40), 60 (Skips 31-40), 60 (Skips 31-40), 60 (Skips 31-40), becomes too weak to copy] TUE  
V21 6529kHz 1300z 17/4 [Present but very weak. One count to 40 heard] FRI  
V21 6529kHz 1300z 22/4 [Present but too weak to copy] WED  
V21 6529kHz 1300z 25/4 [Present but very weak, one count from 11-20 audible] SAT  
V21 6529kHz 1300z 25/4 [Present but very weak, one count from 31-40 audible] MON  
V21 6529kHz 1250z 26/4 [50, ??, 60, 30, 60 (skips 31-40), 50 (skips 31-40), 60, 60, ??, inaudibly for ~ 3 minutes, 60 (skips 31-40), ,60 (skips 31-40), becomes too weak to copy for 7 minutes, 60 (skips 31-40), 50, 40 END] WED.

## X06

**From Jochen and the X06 Group:**

Hello dear E2K and X06 team members,

## X06 Mazielka (1C) logs section

20150424 Fri 1015-1019 17463 256134 Peter 4.3  
 20150424 Fri 1020-1026 15828 256134 Peter 4.4  
 20150424 Fri 1512-1515 15828 256134 Peter Comeback, good, G270  
 20150426 Sun 0809-0811 14947 351264 Peter G398  
 20150427 Mon 0947-0950 16117 463125 tiNG, Peter G222 (CROWD36 at 0952)  
 20150428 Tue 0758-0800 13420 534216 Peter Good, G232  
 20150428 Tue 0822-0828 16257 542136 Peter Alert 3 (G88) 1 Good  
 20150428 Tue 0829-0834 17523 542136 Peter 3.2 Good  
 20150428 Tue 0835-0840 14861 542136 Peter 3.3 Weak  
 20150429 Wed 1326-1331 14970 216354 DanielE2Kde I. p., S9 via WebSDR Twente, G399  
 20150430 Thu 0630-0635 16103 645321 Peter R

Many thanks to all contributors. Till next time I say good-bye

Jochen Schäfer, Numbers- and X06 Teamkopf

## Polytones

### XPA c

March 2015

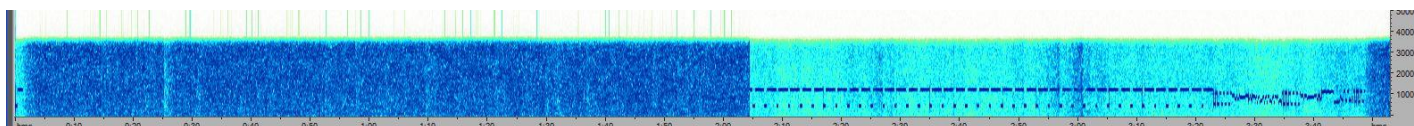
Wednesday/Saturday

| 0700z | 11409kHz                        | 0720z | 13509kHz | 0740z        | 14609kHz |                       |
|-------|---------------------------------|-------|----------|--------------|----------|-----------------------|
| 04/03 | 456 1 00422 00191 36799 03520   |       |          |              |          | Extremely strong      |
| 07/03 | 456 000 04243 00001 00000 10140 |       |          |              |          | Very strong           |
| 11/03 | 456 000 06440 00001 00000 10140 |       |          | [0740z QRM3] |          | Very strong           |
| 14/03 | 456 000 07646 00001 00000 10140 |       |          |              |          | Extremely strong      |
| 17/03 | 456 1 02977 00245 63200 56001   |       |          |              |          | Very/Extremely strong |
| 21/03 | 456 1 02977 00245 63200 56001   |       |          |              |          | Fair/Strong           |
| 25/03 | 456 000 02232 00001 00000 10140 |       |          |              |          | Very strong           |
| 28/03 | 456 000 07385 00001 00000 10140 |       |          |              |          | Very strong           |

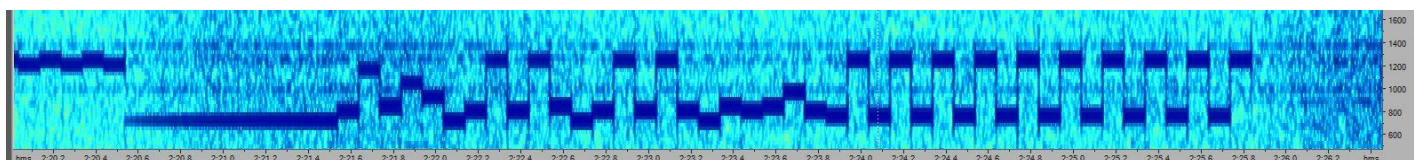
### April 2015

Wednesday/Saturday

| 0600z | 10359kHz  | 0620z | 11559kHz | 0640z  | 13559kHz                |                  |
|-------|---|-------|----------|--|-------------------------|------------------|
| 01/04 | 355 1 02574 00209 59698 01417   |       |          |  | [0640z QRM3 500ms blip] | Very strong      |
| 04/04 | 355 000 07628 00001 00000 10140   |       |          |  |                         | Very strong      |
| 08/04 | 355 000 08545 00001 00000 10140   |       |          |  |                         | Very strong      |
| 11/04 | 355 000 01135 00001 00000 10140   |       |          | [0640z NRH]  | Poor condx              | Strong           |
| 15/04 | 355 000 07835 00001 00000 10140   |       |          |  |                         | Very strong      |
| 18/04 | 355 000 08658 00001 00000 10140   |       |          |  |                         | Very strong      |
| 22/04 | 355 1 01323 00177 09763 53347   |       |          |  |                         | Fair             |
| 25/04 | 355 000 05821 00001 00000 10140<br>355 000 09163 00001 00000 10140<br>See diagrams below: |       |          | 0600z duff start, again 2m later. 0620z ok<br>Seen on 0640z only, manually checked |                         | Strong<br>Strong |



Duff start and restart, 0600z 25/04



Different message, 0640z 25/04

**XPA e**  
**March 2015**  
**Tuesday/Thursday**

| 1900z | 9362kHz | 1920z                           | 8062kHz | 1940z | 7462kHz |             |
|-------|---------|---------------------------------|---------|-------|---------|-------------|
| 03/03 |         | 304 000 03561 00001 00000 10140 |         |       |         | Strong      |
| 05/03 |         | 304 000 02261 00001 00000 10140 |         |       |         | Fair        |
| 10/03 |         | 304 1 08661 00217 84068 52221   |         |       |         | Fair, QSB2  |
| 12/03 |         | 304 000 07032 00001 00000 10140 |         |       |         | Fair        |
| 17/03 |         | 304 000 03357 00001 00000 10140 |         |       |         | Very weak   |
| 20/03 |         | 304 000 07687 00001 00000 10140 |         |       |         | Strong      |
| 24/03 |         | 304 1 09637 00195 35516 65137   |         |       |         | Very strong |
| 26/03 |         | 304 1 09637 00195 35516 65137   |         |       |         | Very strong |
| 31/03 |         | 304 000 01096 00001 00000 10140 |         |       |         | Strong      |

**April 2015**  
**Tuesday/Thursday**

| 1900z | 10943kHz | 1920z                           | 10243kHz | 1940z | 9243kHz |                    |
|-------|----------|---------------------------------|----------|-------|---------|--------------------|
| 02/04 |          | 922 000 08240 00001 00000 10140 |          |       |         | Very strong        |
| 07/04 |          | 922 1 02886 00179 41714 55301   |          |       |         | Very strong        |
| 09/04 |          | 922 1 02886 00179 41714 55301   |          |       |         | Very strong        |
| 14/04 |          | 922 000 08264 00001 00000 10140 |          |       |         | Very strong        |
| 16/04 |          | 922 000 06185 00001 00000 10140 |          |       |         | Fair               |
| 21/04 |          | 922 000 03728 00001 00000 10140 |          |       |         | Strong/Very strong |
| 23/04 |          | 922 000 04125 00001 00000 10140 |          |       |         | Strong             |
| 30/04 |          | 922 1 09709 00201 85836 37142   |          |       |         | Very strong        |

**XPA2 m**  
**March 2015**  
**Sunday/Tuesday**

| 1500z | 16138kHz | 1520z  | 14438kHz | 1540z | 13438kHz |                  |
|-------|----------|--|----------|-------|----------|------------------|
| 01/03 |          | 02517 00081 73311 03323                            |          |       |          | Very strong      |
| 03/03 |          | 02517 00081 73311 03323                            |          |       |          | Very strong      |
| 08/03 |          | 03222 00095 43607 13427 [OTHRQRM3 1540zQSB to nil] |          |       |          | Very strong      |
| 11/03 |          | 05847 00001 00000 10140                            |          |       |          | Very strong      |
| 15/03 |          | 08961 00001 00000 10140                            |          |       |          | Extremely strong |
| 17/03 |          | 03755 00001 00000 10140                            |          |       |          | Fair/Strong      |
| 22/03 |          | 03917 00001 00000 10140                            |          |       |          | Extremely strong |
| 24/03 |          | 06024 00001 00000 10140                            |          |       |          | Extremely strong |
| 29/03 |          | 09398 00113 31476 23060                            |          |       |          | Very strong      |
| 31/03 |          | 09398 00113 31476 23060                            |          |       |          | Extremely strong |

**April 2015**  
**Sunday/Tuesday**

| 1800z | 14538kHz | 1820z                   | 13538kHz | 1840z | 12138kHz |                  |
|-------|----------|-------------------------|----------|-------|----------|------------------|
| 05/04 |          | 02822 00001 00000 10140 |          |       |          | Extremely strong |
| 07/04 |          | 04044 00001 00000 10140 |          |       |          | Extremely strong |
| 12/04 |          | 03811 00089 65236 34337 |          |       |          | Extremely strong |

|       |                         |                              |             |
|-------|-------------------------|------------------------------|-------------|
| 14/04 | 03811 00089 65236 34337 |                              | Very strong |
| 19/04 | 02574 00001 00000 10140 |                              | Very strong |
| 21/04 | 02676 00001 00000 10140 | [1800z Off freq. tones high] | Strong      |
| 26/04 | 04014 00067 41160 02620 |                              | Very strong |

**XPA2 p**  
**March 2015**  
**Monday/Wednesday**

| 0800z | 15956kHz                | 0820z | 14956kHz     | 0840z | 13956kHz |                  |
|-------|-------------------------|-------|--------------|-------|----------|------------------|
| 02/03 | 08331 00001 00000 10140 |       |              |       |          | Very strong      |
| 04/03 | 08778 00001 00000 10140 |       |              |       |          | Very strong      |
| 09/03 | 00136 00165 62399 76220 |       |              |       |          | Extremely strong |
| 11/03 | 03993 00001 00000 10140 |       |              |       |          | Extremely strong |
| 16/03 | 03067 00187 85313 67360 |       |              |       |          | Extremely strong |
| 18/03 | 09364 00001 00000 10140 |       | [0800z Weak] |       |          | Extremely strong |
| 23/03 | 02759 00001 00000 10140 |       |              |       |          | Very strong      |
| 25/03 | 07513 00001 00000 10140 |       |              |       |          | Fair/Strong      |

**April 2015**  
**Sunday/Friday**

| 1500z | 16147kHz                | 1520z | 14947kHz | 1540z | 14447kHz |                  |
|-------|-------------------------|-------|----------|-------|----------|------------------|
| 03/04 | 01973 00185 04573 05704 |       |          |       |          | Extremely strong |
| 05/04 | 02947 00001 00000 10140 |       |          |       |          | Extremely strong |
| 10/04 | 01174 00001 00000 10140 |       |          |       |          | Very strong      |
| 12/04 | 09175 00001 00000 10140 |       |          |       |          | Extremely strong |
| 19/04 | 01101 00163 11101 31224 |       |          |       |          | Very strong      |
| 26/04 | 03441 00181 45770 57376 |       |          |       |          | Extremely strong |

**XPA2 r**  
**March 2015**  
**Friday/Saturday**

| 1400z | 18667kHz                | 1420z | 17419kHz | 1440z | 16212kHz |                  |
|-------|-------------------------|-------|----------|-------|----------|------------------|
| 06/03 | 04691 00001 00000 10140 |       |          |       |          | Extremely strong |
| 07/03 | 03509 00001 00000 10140 |       |          |       |          | Very strong      |
| 13/03 | 00976 00071 74746 51302 |       |          |       |          | Very strong      |
| 14/03 | 00976 00071 74746 51302 |       |          |       |          | Extremely strong |
| 20/03 | 08035 00093 41268 53246 |       |          |       |          | Extremely strong |
| 21/03 | 08035 00093 41268 53246 |       |          |       |          | Extremely strong |
| 27/03 | 09582 00001 00000 10140 |       |          |       |          | Extremely strong |
| 28/03 | 08642 00001 00000 10140 |       |          |       |          | Extremely strong |
| 30/03 | 01973 00185 04573 05704 |       |          |       |          | Very strong      |

**April 2015**  
**Friday/Saturday**

| 1900z | 17462kHz                | 1920z | 16114kHz | 1840z             | 14824kHz |                  |
|-------|-------------------------|-------|----------|-------------------|----------|------------------|
| 03/04 | 05191 00153 75627 65254 |       |          |                   |          | Very strong      |
| 04/04 | 05191 00153 75627 65254 |       |          |                   |          | Very strong      |
| 10/04 | 04839 00001 00000 10140 |       |          | [1920z Very weak] |          | Extremely strong |

|       |                         |                        |
|-------|-------------------------|------------------------|
| 11/04 | 03072 00001 00000 10140 | Very weak [Poor condx] |
| 17/04 | 08448 00121 09707 13405 | Very strong            |
| 18/04 | 08448 00121 09707 13405 | Very strong            |
| 24/04 | 04954 00001 00000 10140 | Very strong            |
| 25/04 | 04214 00001 00000 10140 | Strong                 |

## HM01

HM01 continues to operate on the same schedules as in previous months with the messages generally changing with the 1600z broadcast each day. A few events of interest were noted during March/April into 2015 as listed below.

On 13/3 at 0500z callup 1 had changed at an unusual time and the callup also ended with a 0. As with other callups ending with 0 the last number began incrementing at 1600z on the same day.

On 19/3 at 1600z callup 1 again changed to one ending in 0 (85760). As had been noted in the last newsletter a similar thing has happened on the 19<sup>th</sup> of the odd numbered months on two previous occasions. If the pattern holds true expect a callup ending in 0 on May 19<sup>th</sup>.

On 28/3 callup 2 became 39131, unusual in that it contained a 9. Note also that the last digit began incrementing +1 the following day as do the ones ending in 0. On 5/4 at 1600z, Radio Havana Cuba was on air for 6 minutes but then switched directly into the day's callups.

On 17/4 callup 5 became 57150, ending in a 0 and the last digit began incrementing the following day.

On 28/4 HM01 was mixed in with the M08a on 8135kHz, although garbled callup 6 appeared to be 72100 which indicated a change had occurred since the 1800z transmission. This was subsequently confirmed at 0500z on the 29<sup>th</sup>. The last digit began incrementing on the 29<sup>th</sup> also.

On 29/4 Callup 3 changed to 90380, ending in a 0 obviously, this callup/message was short lived and had been replaced by the 30<sup>th</sup>.

Several callups with FIG files were seen. These followed the usual format. All file names began with 36.

57841 = 36575784.FIG, 84201 = 36168420.FIG, 60851 = 36826085.FIG, 24381 = 36712438.FIG, 67511 = 36276751.FIG,

On to the logs:

HM01 11435kHz 1600z 1/3 [56044 81626 14127 42314 86585 66864] SUN  
HM01 11435kHz 1600z 2/3 [56045 81627 14128 42315 86586 66865] MON  
HM01 11435kHz 1600z 3/3 [56046 81628 13661 42316 86587 66866] New callup position 3, 13661 = 46111136.TXT. TUE  
HM01 11435kHz 1600z 4/3 [56047 24311 13661 42317 86588 66867] New callup position 2, 24311 = 12702431.TXT. WED  
HM01 11435kHz 1600z 5/3 [56048 24312 13662 10351 35361 66868] New callups positions 4 and 5, 10351 = 54331035.TXT, 35361 = 73413536.TXT THU  
HM01 11435kHz 1600z 6/3 [36171 24313 13663 10351 35361 66869] New callup position 1, 36171 = 74673617.TXT. FRI  
HM01 11435kHz 1600z 7/3 [36172 24314 13664 10352 35362 57841] New callup position 6, 57841 = 36575784.FIG. SAT  
HM01 11435kHz 1600z 8/3 [36173 24315 13665 10353 35363 57841] SUN  
HM01 11435kHz 1600z 9/3 [36174 24316 13666 10354 35364 57842] MON  
HM01 11435kHz 1600z 10/3 [36175 24317 13667 10355 35365 57843] TUE  
HM01 11435kHz 1600z 11/3 [36176 24318 13668 10356 35366 57844] WED  
HM01 11435kHz 1600z 12/3 [36176 24318 13668 10356 35366 57844] Same callups as yesterday. THU  
HM01 11435kHz 0500z 13/3 [05610 24318 13668 10356 35366 57844] Note callup 1 changed at unusual time and ends with 0. 05610 = 08450561.TXT FRI  
HM01 11435kHz 1600z 13/3 [05611 10601 35361 10357 35366 57845] New callup positions 2 and 3 10601 = 63771060.TXT, 35361 = 77483536.TXT  
HM01 11435kHz 1600z 14/3 [05612 10601 35361 10358 23831 57846] New callup position 5, 23831 = 17632383.TXT  
HM01 11435kHz 1600z 15/3 [05613 10602 35362 10359 23831 57847]  
HM01 11435kHz 1600z 16/3 [05614 10603 35363 57671 23832 14031] New callups positions 4 and 6 57671 = 85245767.TXT, 14031 = 81211403.TXT  
HM01 11435kHz 1600z 17/3 [05615 10604 35364 57671 23833 14031]  
HM01 11435kHz 1600z 18/3 [05616 10605 35365 57672 23834 14032]  
HM01 11435kHz 1600z 19/3 [85760 10606 35366 57673 23835 14033] New callup position 1, 85760 = 54628576.TXT. Note callup ends in 0 as did previous one in this position. THU  
HM01 11435kHz 1600z 20/3 [85761 51381 35367 57674 23836 14034] New callup position 2, 51381 = 42425138.TXT. FRI  
HM01 11435kHz 1600z 21/3 [85762 51382 35368 57675 23837 14035] SAT  
HM01 11435kHz 1600z 22/3 [85762 51382 35368 57675 23837 14035] Same callups as yesterday. SUN  
HM01 11435kHz 1600z 23/3 [85763 51383 35369 57676 23838 14036] MON  
HM01 11435kHz 1600z 24/3 [85764 51384 87831 57677 18831 14037] New callups positions 3 and 5 87831 = 41168783.TXT, 18831 = 48411883.TXT. TUE  
HM01 11435kHz 1600z 25/3 [85765 51385 87831 57678 18831 43711] New callup position 6. 43711 = 25184371.TXT WED  
HM01 5855kHz 0500z 27/3 [85766 51386 87832 57679 18832 43711] In progress with callups at 0515 with 85763 51383 35369 (Monday's callups) then switches straight into messages with the expected callups. FRI  
HM01 11435kHz 1600z 27/3 [85767 51387 87833 84201 18833 43712] New callup position 4. 84201 = 36168420.FIG. FRI  
HM01 11435kHz 1600z 28/3 [85768 39131 87834 84201 18834 43713] New callup position 2. 39131 = 30243913.TXT SAT  
HM01 11435kHz 1600z 29/3 [85769 39132 87835 84202 18835 43714] SUN  
HM01 11435kHz 1600z 30/3 [20821 39133 87836 84203 18836 43715] New callup position 1, 20821 = 36202082.TXT MON  
HM01 11435kHz 1600z 31/3 [20821 39134 87837 84204 18837 43716] TUE  
HM01 11435kHz 1600z 1/4 [20822 39135 87838 84205 04301 43717] New callup position 5, 04301 = 36420430.TXT. WED  
HM01 11435kHz 0500z 3/4 [20823 39136 45511 84206 04301 43718] New callup position 3, 45511 = 00214551.TXT. THU  
HM01 11435kHz 1600z 3/4 [20824 39137 45511 84207 04302 43719] THU  
HM01 11435kHz 1600z 4/4 [20825 39138 45512 60851 04303 32521] New callups positions 4 and 6 60851 = 36826085.FIG, 32521 = 44653252.TXT SAT  
HM01 11435kHz 1600z 5/4 [20826 39139 45513 60851 04304 32521] 6 minutes of Radio Havana Cuba then straight into callups. SUN  
HM01 11435kHz 1600z 6/4 [20827 88501 45514 60852 04305 32522] New callup position 2 88501 = 80018850.TXT. MON  
HM01 11435kHz 1600z 7/4 [20031 88501 45515 60853 04306 32523] New callup position 1 20031 = 50522003.TXT TUE  
HM01 11435kHz 1600z 8/4 [20031 88502 45516 60854 04307 32524] WED  
HM01 11435kHz 1600z 9/4 [20032 88503 45517 60855 04308 32525] THU  
HM01 11435kHz 1600z 10/4 [20033 88504 45518 60856 25471 32526] New callup position 5, 25471 = 55172547.TXT. FRI  
HM01 11435kHz 1600z 11/4 [20034 88505 45519 60857 25471 32527] SAT  
HM01 11435kHz 1600z 12/4 [20035 88506 24381 60858 25472 75311] New callups positions 3 and 6, 24381 = 36712438.FIG, 75311 = 41647531.TXT. SUN  
HM01 11435kHz 1600z 13/4 [20036 88507 24381 20481 25473 75311] New callup position 4, 20481 = 31682048.TXT. MON  
HM01 11435kHz 1600z 14/4 [20037 88508 24382 20481 25474 75312] TUE  
HM01 11435kHz 1600z 15/4 [17881 15121 24383 20482 25475 75313] New callups positions 1 and 2, 17881 = 82861788.TXT, 15121 = 03031512.TXT. WED  
HM01 11435kHz 1600z 16/4 [17881 15121 24384 20483 25476 75314]  
HM01 11435kHz 1600z 17/4 [17882 15122 24385 20484 25477 75315] FRI  
HM01 11635kHz 2100z 17/4 [17882 15122 24385 20484 57150 75315] New callup 5 since 1800z 57150 = 37275715.TXT FRI  
HM01 11435kHz 1600z 18/4 [17883 15123 24386 20485 57151 75316] SAT

HM01 11435kHz 1600z 19/4 [17884 15124 24387 20486 57152 75317] SUN  
 HM01 11435kHz 1600z 20/4 [17885 15125 24388 20487 57153 75318] MON  
 HM01 11435kHz 1600z 21/4 [17886 15126 05151 20488 57154 67511] New callups positions 3 and 6, 05151 = 07350515.TXT, 67511 = 36276751.F1G. TUE  
 HM01 11435kHz 1600z 22/4 [17887 15127 05151 20489 57155 67511] WED  
 HM01 11435kHz 1600z 23/4 [48631 15128 05152 73011 57156 67512] New callups positions 1 and 4, 48631 = 41154863.TXT, 73011 = 88537301.TXT. THU  
 HM01 11435kHz 1600z 24/4 [48631 15129 05153 73011 57157 67513] FRI  
 HM01 11435kHz 1600z 25/4 [48632 10681 05154 73012 57158 67514] New callup position 2, 10681 = 28841068.TXT. SAT  
 HM01 11435kHz 0500z 27/4 [48633 10681 05155 73013 54401 67515] New callup position 5, 54401 = 40115440.TXT. MON  
 HM01 11435kHz 1600z 28/4 [48634 10682 05156 73014 54401 67516] TUE  
 HM01 11435kHz 0500z 29/4 [48635 10683 05157 73015 54402 72100] Confirms the change to the 6th callup heard during yesterday's 2300z M08a. 72100 = 45847210.TXT. WED  
 HM01 11435kHz 0500z 29/4 [48636 10684 90380 73016 54403 72101] New callup position 3, 90380 = 57089038.TXT. Note also callup 6 incremented +1 even though it appeared late yesterday. WED  
 HM01 11435kHz 0500z 30/4 [48637 10685 62001 73017 54404 72102] New callup position 3, 62001 = 48676200.TXT, seems as though yesterday's new callup 3 was short-lived. THU

Logs from the Argentine:

#### HM01 March 2015 Daily

|               |   |       |     |
|---------------|---|-------|-----|
| 10715kHz2230z | 04/03[24311 13661 42317 86588 66867 56047] QSA2 | DanAR | WED |
| 2200z         | 09/03[24316 13666 10354 35364 57842 36174] QSA3 | DanAR | MON |
| 2230z         | 11/03[24318 13668 10356 35366 57844 36176] QSA3 | DanAR | WED |
| 2200z         | 13/03[10601 35361 10357 35367 57845 05611] QSA2 | DanAR | FRI |
| 2230z         | 15/03[10602 35362 10359 23831 57847 05613] QSA2 | DanAR | SUN |
| 2200z         | 16/03[10603 35363 57671 23832 14031 05614] QSA3 | DanAR | MON |
| 2230z         | 17/03[10605 35365 57672 23834 14032 05616] QSA2 | DanAR | TUE |
| 16180kHz2100z | 10/03[24317 13667 10355 35365 57843 36175] QSA1 | DanAR | TUE |
| 2100z         | 12/03[24318 13368 10356 35366 57844 05610] QAS2 | DanAR | THU |
| 2130z         | 21/03[51282 35368 57675 23837 14035 85762] QSA2 | DanAR | SAT |
| 17480kHz2230z | 05/03[24312 13662 10351 35361 66868 36170] QSA2 | DanAR | THU |
| 2200z         | 07/03[24314 13664 10352 35362 57841 36172] QSA2 | DanAR | SAT |
| 2230z         | 14/03[10601 35361 10358 23831 57846 05612] QSA3 | DanAR | SAT |
| 2230z         | 28/03[85768 39131 87834 84201 18834 43713] QSA2 | DanAR | SAT |
| 2200z         | 31/03[28021 39134 87837 84204 18837 43716] QSA3 | DanAR | TUE |

Two UK logs:

#### April 2015 Daily

|              |  |                |      |     |
|--------------|--|----------------|------|-----|
| 9155kHz0959z | 03/04[20823 39136 45511 84206 04301 43718] | Weak and noisy | PLdn | FRI |
| 9240kHz0901z | 03/04[20823 39136 45511 84206 04301 43718] | Very strong    | PLdn | FRI |

#### From the British point of view PoSW adds:

Signals from the Cuban mixed-mode station slightly improved from those observed in winter as we move through the spring season.

2-Mar-15, Monday:- 0858 UTC – the preamble/call-up routine starting about two minutes before the hour, sometimes appears to have already started if tuned in before that but there will be a short distinct pause after which the call-up proper begins - 9,065 kHz, “56044 81626 14127 42314 86585 66864”. S9 with the usual fading up and down. Data noises started at 1 minute 20 seconds past the hour.  
 0958 UTC, 9,240kHz, 5Fs as earlier, S9, audio seemed slightly distorted at times.

3-Mar-15, Tuesday:- 0858 UTC, 11,462 kHz, “56045 81627 14128 42315 86586 66865”. S6 to S7, was S9 when checked again about fifteen minutes into the transmission.  
 1006 UTC, 11,635 kHz, transmission in progress, 25 metre broadcast band not the best place to park a number station, over-ridden by strong Radio China International in English.

4-Mar-15, Wednesday:- 0858 UTC, 9,240 kHz, “56046 24310 13661 42316 86587 66866”, S7 to S8.  
 2212 UTC, 10,715 kHz, first time for a while I have heard this late evening, UK time, HM01 with a signal strong enough to overcome the locally produced RF noise. Peaking well over S9, transmission in progress, heard 5F groups, “56047 24311 13661 42317 86588 66867”.

5-Mar-15, Thursday:- 0858 UTC, 11,462 kHz, “56047 24311 13661 42317 86588 66867”. S9 with the usual QSB.  
 0958 UTC, 11,635 kHz, weak signal, over-ridden by CRI broadcaster.

6-Mar-15, Friday:- 0758 UTC, 9,065 kHz, “36170 24312 13662 10351 35361 66868”. S7, data at around 1 minute 15 seconds past the hour.  
 2143 UTC, 11,635 kHz, transmission in progress, another sign that transmissions in the UK evening time are improving, S9 with deep QSB, heard 5Fs, “36171 24313 13663 10351 35361 66869”. Voice stopped after 2148 UTC.  
 2158 UTC, 10,715 kHz, 5Fs as earlier, S9 with QSB.

8-Mar-15, Sunday:- 0858 UTC, 9,240 kHz, “36172 24314 13664 10352 35362 57841”, S5 to S6, close to the local noise level.  
 2158 UTC, 10,715 kHz, “36173 24315 13665 10353 35363 57841”, S9, FSK signal idling on a close frequency.

9-Mar-15, Monday:- 0858 UTC, 9,240 kHz, “36173 24315 13665 10353 35363 57841”, peaking well over S9 with good audio.

10-Mar-15, Tuesday:- 0958 UTC, 12,180 kHz, “36174 24316 13666 10354 35364 57842”. Audio intermittently slightly distorted.

11-Mar-15, Wednesday:- 0858 UTC, 9,240 kHz, “36175 24317 13667 10355 35365 57843”. S9 with the usual variations, data at 0901 and 15s UTC.

13-Mar-15, Friday:- 0728 UTC, 9,330 kHz, starting up after the break, “05610 24318 13668 10356 35366 57844”, S9, audio distorted at times.  
0758 UTC, 9,065 kHz, 5Fs as earlier, again problems with the audio.  
0858 UTC, 9,240 kHz, 5Fs as earlier, peaking S9, audio sometimes distorted.  
16-Mar-15, Monday:- 0759 UTC, 9,065 kHz, “05613 10602 35362 10359 23831 57847”. Data at 0802:10s UTC. Over-riding weaker FSK signal, audio still slightly clipped at times.

23-Mar-15, Monday:- 0659 UTC, 9,330 kHz, “85762 51382 35368 57675 23837 14035”. Audio distorted at times, S9 with the usual variations, data at 0702:10s UTC approx. All signals from HM01 have generally been quite weak for the past few days, somewhat stronger this morning.

24-Mar-15, Tuesday:- 0759 UTC, 11,635 kHz, “85763 51383 35369 57676 23838 14036”. Up to S9, a much weaker S06 YL heard underneath calling “352” as the sweep hand passed the 0800 Zulu mark, generally flattened by La Señorita from Cuba. Prediction list suggests a repeat at 0810 on 10,420 kHz, something there but extremely weak.

25-Mar-15, Wednesday:- 0759 UTC, minus 15 seconds approx, 9065 kHz, “85764 51384 87831 57677 18831 14037”. S9 signal. Strong carrier sitting on 9,068, close enough to be a nuisance.

26-Mar-15, Thursday:- 0759 UTC, 11,635 kHz, “85765 51385 87831 57678 18831 43711”, peaking S9.

30-Mar-15, Monday:- 0659 UTC, 9,330 kHz, “85769 39132 87835 84202 18835 43714”, S7 to S8 with deep QSB.

1-Apr-15, Wednesday:- 0659 UTC, minus 20 seconds, starts a little earlier as the days go by, 9,330 kHz, “20821 39134 87837 84204 18837 43716”, S9.

4-Apr-15, Saturday:- 0806 UTC, 11,635 kHz, transmission in progress, peaking well over S9, best signal on this frequency for some time, heard 5Fs “20824 39137 45511 84207 04302 43719”.  
0859 UTC, 11,462 kHz, 5Fs as earlier, over S9.  
0959 UTC, 12,180 kHz, very weak signal in contrast with the earlier HM01 transmissions this morning, only just able to recognise the voice.

5-Apr-15, Sunday:- 0759 UTC, minus 25 seconds, start-up time continues to be a bit earlier as the days go by, 9,065 kHz, “20825 39138 45512 60851 04303 32521”, S7 to S8.

8-Apr-15, Wednesday:- 0658 and thirty seconds UTC, starting a minute and a half before the hour, 9,330 kHz, “20031 88501 45515 60853 04306 32523”, S9 with deep fading.

9-Apr-15, Thursday:- 0758:30s UTC, 11,635 kHz, “20031 88502 45516 60854 04307 32524”, S6 to S7, data noises at 0801:50s UTC.

10-Apr-15, Friday:- 0658:28s UTC, 9,330 kHz, “20032 88503 45517 60855 04308 32525”, S9 with deep QSB.

11-Apr-15, Saturday:- 0828:26 UTC, 11,635 kHz, starting up after the break, “20033 88504 45518 60856 25471 32526”, S7 to S8 with the usual fading up and down.

13-Apr-15, Monday:- 0658:32 UTC, 9,330 kHz, “20035 88506 24381 60858 25472 75311”, up to S9.

22-Apr-15, Wednesday:- 0636 UTC, 10,345 kHz, transmission in progress, S9 with the usual variation. Heard 5Fs “17886 15126 05151 20488 57154 67511”. Voice stopped just before 0650 UTC, carrier off before 0653 UTC.  
0658 UTC, just after, 9,330 kHz, “17886 15126 05151 20488 57154 67511”, peaking S9.

24-Apr-15, Friday:- 0613 UTC, 10,345 kHz, transmission in progress, well over S9 with good audio, heard 5Fs “48631 15128 05152 73011 57156 67512”, voice stopped approx 0619 UTC for the break.  
0758 UTC, 9,065 kHz, 5Fs as earlier, S7 to S8 with deep QSB.

25-Apr-15, Saturday:- 0734 UTC, 13,435 kHz, transmission in progress, heard 5Fs “48631 15129 05153 73011 57157 67513”. S9 with deep QSB but became weaker and down in the noise by 0742 UTC.  
0758 UTC, 11,635 kHz, 5Fs as earlier S9 with the usual up and down.

### **Digital, Incursions and Unexplained Signals**

The start of March brought another of the FSK200/1000 modes sudden surges in activity. This was initially spotted by Danix from the Priyom group who then did a great deal of work monitoring during this period which lasted until 5th March. This sudden burst of activity included ..

- The appearance of a new link ID 28759. This had schedules at 11:00/10/20 and 19:00/10/20 in early March being logged for the last time on 5th March. Link IDs in the series 28xxx have appeared in the past for short periods and then vanished.
- New link ID 53255 which appeared in the same schedule with a ‘twin’ link ID 53254 (which was a short lived link ID last seen a year before in March 2014). These link IDs appeared in frequent schedules at 10:40,10:50 and 11:00 plus 19:00/10/20. Again they were last monitored on 5th March.
- New link ID 32825 sent at 12:30/40/50 on 3rd and 4th March but which then vanished.
- New link ID 16448 sent at 11:30 on the 2nd , 3rd and 4th March before like the others vanishing.
- Unusually this sudden burst of activity also included an increase in FSK200/500 activity. On 3rd March the following message was sent at 10:30 and 11:00 ..



65380484843868036 =8462  
30549583192393891 =7853  
29392548929506269 =8554  
549410102838013150=8635  
516060140587158102=8216  
39072389088710845 =8337  
686938689667393107=8298  
31754705345795873 =8649  
62603481073401944 =84110  
14304406410634774 =81111  
82045936489787964 =81712  
64285185040514645 =82313  
64170537367097673 =80614  
53482462014298460 =84115  
602414786713912111=87216  
67320873029735497 =87117  
340937567549212112=84218  
132048063615261144=79019  
14362712083534757 =87420  
47246714290370276 =81321  
181846780578486129=86222  
376165936596761183=84723  
41849628273765380 =80624  
063863705384094183=83625  
29478735943626745 =86026  
30542584029850747 =83027  
094601682936345157=88828  
796530672540741129=69729  
0608400000+++++237=8251

and the following message sent at 11:10 and 11:30  
on the same day ..

430731264209703127=8742  
70608257054197168 =8053  
91787439617632632 =8444  
64109262076472685 =8245  
83162359013167942 =8096  
02156024679050681 =8477  
949238347247487116=8048  
39241754034180731 =8419  
293805659636128122=86310  
351921906906794108=85011  
168596870507879128=83012  
363640525871354149=81913  
414544152172137118=79714  
138597681772593984=85615  
429130860240706108=82616  
40741674897240798 =82617  
231457328487150105=80618  
92176521219826792 =87219  
63014585055725038 =83520  
867608483759602116=82621  
74754609607089678 =82822  
909678687981745101=84523  
452179639486924120=83724  
92872478036047082 =80225  
02964059439806342 =85126  
795327353551918126=85827

781047915887130107=86032  
927303205453869120=79633  
63645852832856529 =89134  
871279179437532149=84535  
90890892308671375 =81836  
26036049835025941 =80737  
24934580679410719 =78738  
874363472914973141=87939  
08348825264747984 =81740  
979399785895274102=76841  
212812010653931109=86742  
251783521595352119=83643  
472501045997267119=76944  
135910525810131154=57645  
00000+++++++166=8711

More unscheduled FSK200/500 transmissions appeared on 4th March with four different messages being transmitted during the morning.

Of course the question is what caused this sudden burst of activity ? There was of course plenty happening in the world at that time , most noticeably in the Middle East and in Ukraine. However the news from those parts of the world has been worse prior to early March and worse since. Its entirely possible that what we saw was a military exercise of some nature. To answer this question we need continued long term monitoring of these modes so we can understand them more fully.

**I would like to express my thanks to Danix of the Priyom group for his exceptional monitoring activity during this surge in activity as without him I fear it may have gone unnoticed.**

Those of you on the groups mailing list can't have helped but notice an increase in reports of the FSK POL data mode. Sadly I haven't had the time to investigate this mode but 'Anon' has and has submitted this very detailed report for inclusion in this desk report.

|        | Day     | Time(z)     | FSK Freq(kHz) | FSK ID  | Comments  | Time(z) | Freq(kHz) | ID  |
|--------|---------|-------------|---------------|---------|-----------|---------|-----------|-----|
| E11(a) | Wed/Thu | 03:00/:05   | 7863          | 023(2?) |           | 03:15   | 7850      | 253 |
|        | Mon     |             |               |         | Not found | 04:50   | 6304      | 416 |
|        | Tue/Sat |             |               |         | Not found | 05:30   | 10213     | 98# |
|        | Wed/Fri | 05:30/:35   | 16005         | 0453    |           | 05:45   | 15915     | 348 |
|        | Tue/Thu | 06:30/:35   | 10728         | 0574    |           | 06:45   | 10800     | 517 |
|        | Tue/Fri | 06:55/07:00 | 10246         | 0684    |           | 07:10   | 10221     | 633 |
|        | Mon     |             |               |         | Not found | 07:45   | 10213     | 262 |
|        | Tue/Thu | 07:30/:35   | 14753         | 0433    |           | 07:45   | 14575     | 335 |
|        | Wed/Sun |             |               |         | Not found | 08:05   | 11450     | 311 |
|        | Mon/Thu | 08:00/:05   | 6909          | 0434    | Note 1    | 08:20   | 9960      | 438 |
|        | Mon/Fri | 08:15/:20   | 11092         | 0446    |           | 08:30   | 10690     | 649 |
|        | Thu/Sat |             |               |         | Not found | 09:00   | 4909      | 248 |
|        | Mon/Wed | 08:45/:50   | 9339          | 0353    |           | 09:00   | 9399      | 534 |

|         |             |       |           |             |       |       |     |
|---------|-------------|-------|-----------|-------------|-------|-------|-----|
| Wed/Thu |             |       |           | Not found   | 09:30 | 8803  | 270 |
| Tue/Wed | 10:30/:35   | 7407  | 0325      |             | 10:45 | 7449  | 469 |
| Mon/Fri |             |       |           | Not found   | 11:10 | 13375 | 95# |
| Wed/Thu | 10:55/11:00 | 15632 | 0217/0218 |             | 11:55 | 15915 | 718 |
| Tue/Wed |             |       |           | Not found   | 13:00 | 15632 | 133 |
| Tue/Sat |             |       |           | Not found   | 14:00 | 13375 | 98# |
| Wed/Sat |             |       |           | Not found   | 14:45 | 4909  | 287 |
| Thu     |             |       |           | Not found   | 15:30 | 10330 | 262 |
| Mon/Sun | 15:25/:30   | 15632 | 0221/0224 | Note 2      | 15:40 | 15915 | 228 |
| Wed/Sun | 16:10/:15   | 10125 | 0797/0979 | Notes 2,3,4 | 16:25 | 10448 | 978 |
| Wed/Sat |             |       |           | Not found   | 17:05 | 10213 | 392 |
| Mon/Fri |             |       |           | Not found   | 17:10 | 5194  | 95# |
| Thu     |             |       |           | Not found   | 17:30 | 9371  | 416 |
| Tue/Sat |             |       |           | Not found   | 18:10 | 13455 | 98# |
| Fri     |             |       |           | Not found   | 20:00 | 7377  | 576 |
| Sat/Sun |             |       |           | Not found   | 20:05 | 8186  | 369 |

|            |         |          |       |      |            |       |       |     |
|------------|---------|----------|-------|------|------------|-------|-------|-----|
| <b>M03</b> | Mon/Wed | 13:05/10 | 5358  | 0547 |            | 13:20 | 5463  | 543 |
|            | Thu/Sun | 13:05/10 | 8803  | 0437 |            | 13:20 | 9150  | 437 |
|            | Fri/Sun | 14:05/10 | 13575 | 0877 |            | 14:20 | 13911 | 879 |
|            | Tue/Sat |          |       |      | Defunct(?) | 15:35 | 6977  | 798 |

|             |         |           |       |      |            |       |       |     |
|-------------|---------|-----------|-------|------|------------|-------|-------|-----|
| <b>S11a</b> | Tue/Fri |           |       |      | Not found  | 04:55 | 5358  | 321 |
|             | Mon/Wed |           |       |      | Defunct(?) | 07:15 | 14940 | 382 |
|             | Tue/Fri | 09:00/:05 | 7371  | 0554 |            | 09:15 | 7317  | 484 |
|             | Mon/Thu | 10:00/:05 | 15905 | 0765 |            | 10:15 | 16112 | 475 |
|             | Wed/Sat | 10:05/:10 | 6433  | 0223 |            | 10:20 | 5815  | 221 |
|             | Tue/Fri | 10:05/:10 | 9431  | 0675 |            | 10:20 | 9960  | 426 |
|             | Wed/Fri |           |       |      | Not found  | 19:55 | 4016  | 371 |

- Notes
- 1 Non-standard time: E11 sked minus :20/:15.
  - 2 Alternate mapping for messages. Standard mapping for null.
  - 3 740Hz shift.
  - 4 FSK was 10728kHz in Feb.

## General

FSK POL normally transmits at 15 and 10 minutes before its associated Family III station, both transmissions on the same frequency, and normally within 500kHz of the associated station. A few anomalies have been noted, the first of which may provide a clue to finding at least some of the schedules thus far undiscovered: the Monday/Thursday E11 sked at 0820z on 9960kHz has its associated POL FSK at 0800/05z (note 20 and 15 minutes ahead, instead of 15 and 10 minutes) on 6909kHz, 3MHz distant and note the anagrammed frequency.

Two schedules (E11 on Monday/Sunday at 1540z and E11 on Wednesday/Sunday at 1625z use an alternative character mapping for messages, but only for the message text, call-up digits use standard mapping – null messages use standard digit mapping for call-up and the 10 groups of zeros.

One schedule (again the E11 Wednesday/Sunday, 1625z) uses 740Hz shift instead of 625Hz.

## Transmission format

The mode usually consists of 100 Baud 625Hz shift FSK, with the mark (1) tone at 1925Hz and space (0) tone at 1300Hz. As yet, only one known schedule uses 740Hz shift with tones at 1950Hz (1) and 1210Hz (0). The mode uses 16-bit double words to map characters/formatting, the first word indicating the content type of the second word.

## Transmission order

Lead-in mark tone.

3 digits (so far, always “010”)

Introduction sequence, repeated 8 times.

<INTRO> (R8)

Call-up, repeated 5 times.

Call-ups are always 4 digit, the first digit always “0”.

Four words are used to indicate each call-up digit, the first two words indicating which digit of call-up follows (1,2,3, or 4) and the final two words defining the digit.

<CD1><digit><CD2><digit><CD3><digit><CD4> (CD = call-up digit follows)

Header sequence, 13 double words:

<space><space><HW03><HW04><HW05><space><HW07><space><HW09><space><HW11><INTRO><SOM>

Message text.

Groups are not repeated, and messages differ only from the associated E11, M03, or S11a by the addition of a pair of stutter “8” groups at the beginning and end of the message.

Group count, including stutter “8” groups, repeated twice.

End of message/transmission, repeated 20 times.

<EOM> (R20)

## Null example (omitting formatting characters)

From 22/04/15, 10125kHz, 1610/1615z, associated with E11, 10448kHz, 1625z.

010

0797 0797 0797 0797 0797

00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

## Message example (omitting formatting characters)

From 22/04/15, 5358kHz, 1305/1310z, associated with M03, 5463kHz, 1320z.

010

0547 0547 0547 0547 0547

88888 88888

11538 36167 82... 90243 61364 84064 53373 47044 36154 08326

71560 7777. 04967 25596 94802 28502 76686 20071 21686 25474

97004 72819 12815 16831 27423 55016 71904 90885 00... 29586

61488 23989

88888 88888

00036 00036

## Character mapping

Mapping falls into 3 groups, transmission, call-up, and digits. In the tables below, the left hand columns (binary/hex) represent the first word of the map type, and the top rows the second word. e.g. for digit “9”, normal mapping, the hex double word is #E7#81.

**Key:** HWnn=Header Words + position, SOM=Start Of Message, EOM=End of Message, INTRO= Intro sequence, CDn = Call-up Digit.

## Transmission

| Binary   |        |       |       |       |       |       |       |       |       |        |       |
|----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
|          | 000101 | 00110 | 01011 | 01111 | 10101 | 10111 | 11000 | 11100 | 11100 | 111101 |       |
|          | 10     | 000   | 010   | 100   | 000   | 010   | 010   | 010   | 100   | 11     |       |
| 11100100 | He     |       |       |       |       |       |       |       |       |        |       |
|          | x      | 16    | 30    | 5A    | 7C    | A8    | BA    | C2    | E2    | E4     | F7    |
|          | E4     | HW09  | HW07  | HW05  | HW03  | SOM   | EOM   | Space | HW04  | HW11   | INTRO |

### Callup

| Binary   | 000100    |  |  |  | 01111 |  |  |  | 01001 |  |  |  | 01101 |  |  |  |
|----------|-----------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|
|          | 11        |  |  |  | 001   |  |  |  | 100   |  |  |  | 010   |  |  |  |
| 11100101 | <b>He</b> |  |  |  |       |  |  |  |       |  |  |  |       |  |  |  |
|          | <b>x</b>  |  |  |  | 13    |  |  |  | 79    |  |  |  | 4C    |  |  |  |
|          | <b>E5</b> |  |  |  | CD4   |  |  |  | CD2   |  |  |  | CD1   |  |  |  |
|          |           |  |  |  |       |  |  |  |       |  |  |  | CD3   |  |  |  |

### Digits

| Binary   | 000010<br>10 |    | 00011<br>001 |    | 00101<br>100 |    | 01000<br>110 |    | 01010<br>101 |    | 01100<br>000 |  | 01110<br>011 |  | 10000<br>001 |  | 10100<br>111 |  | 101101<br>00 |  |  |
|----------|--------------|----|--------------|----|--------------|----|--------------|----|--------------|----|--------------|--|--------------|--|--------------|--|--------------|--|--------------|--|--|
|          | He<br>x      |    |              |    |              |    |              |    |              |    |              |  |              |  |              |  |              |  |              |  |  |
|          |              | 0A | 19           | 2C | 46           | 55 | 60           | 73 | 81           | A7 | B4           |  |              |  |              |  |              |  |              |  |  |
| 11100111 | E7           | 2  | 1            | 0  | 6            | 5  | 4            | 3  | 9            | 7  | 8            |  |              |  |              |  |              |  |              |  |  |
| 11100111 | E7           | 4  | 2            | 7  | 3            | 0  | 6            | 8  | 1            | 5  | 9            |  |              |  |              |  |              |  |              |  |  |
| 11100111 | E7           | 7  | 2            | 3  | 8            | 1  | 6            | 9  | 4            | 5  | 0            |  |              |  |              |  |              |  |              |  |  |

The first row of digits is normal mapping, the second row the alternate used in Feb/Mar, and third row is the alternate seen in April.

My thanks to 'Anon' for his excellent report.

#### Thanks to all our contributors:

AnonUS, Ary, BR, CB, Christer,Danix, DC, DoK, E, GD, Gert, HFD, HRT,IW, Jochen, JkC, JPL, KW, PLdn, PoSW, RNGB, Schorshi, Spectre, T!, tiNG. Apologies to any missed

*The more alert of you will have noticed that MalcF, an occasional contributor, and supplier of 'certain' apparatus to ENIGMA2000 has not apparently contributed logs for sometime.*

*Logs aside MalcF contributed books on subect 'Intelligence' as well as radio receivers; two contributing members still using those they were given from Malc, via me.*

*Following a meeting in a local coffee shop between MalcF and myself Malc suddenly passed away in mid-March..*

*RIP MalcF*

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```

#### PoSW's Items of Interest in the Media:-

Enigma 120,000 - £120,000, that is; *The Times* newspaper of 6-April carried a short piece on a genuine World War 2 Enigma machine about to be sold by auction, and £120K was stated as the expected price. "A functioning Enigma machine, an encoding device used in the Second World War, is to be sold in New York next week for £120,000.

The Enigma machine played a crucial role in German intelligence before the code was cracked by Alan Turing at Bletchley Park.

The machine on sale is in unusually good condition. Most Enigma machines were destroyed. Cassandra Hutton, of Bonhams, said: 'The Germans would try to burn them or smash them up and rip out the rotors.' It is estimated that only 4,000 of the 100,000 made survive."

Department of Not Enough to Worry About, American style. This imaginary government organisation, which originated from the pen of the late Keith Waterhouse in his column in the *Daily Mail* and which he said operated under the auspices of the equally imaginary

National Guesswork Authority, seems to have an offshoot in the US of A. The subject has been brought to the attention of the Concerned Citizen many times in the past, and was given another airing in a piece on the *Newsmax* website on 15-March:- "The issue of an Iranian nuclear strike that could do immense damage to the United States was raised in Israel this week in an opinion piece by U.S. Analyst Peter Vincent Pry warning of the possibility of an Electromagnetic Pulse (EMP) attack targeting the United States.

In the article, Pry warned that, 'Iranian military documents describe such a scenario - including a recently translated Iranian military textbook that endorses nuclear EMP attack against the United States.

A source said that the textbook discusses an EMP attack on America in 20 different places.

Arizona Republican Rep. Trent Franks, who is leading an effort to protect the US electric grid from an EMP attack, has reportedly made similar claims based on the document .....

'Recent moves by Iran and North Korea have given credibility to the potential EMP threat from an atmospheric nuclear explosion over the US.'

Pry has suggested ways for Iran to deliver a nuclear attack including a ship off the East Coast, via a satellite, or utilizing a missile.

'One nuclear warhead detonated at high altitude over the United States would black out the national electrical grid and other life sustaining infrastructures for months or years' by means of an EMP attack, Pry wrote."

This reminds me I read an article some time ago, can't remember exactly where, that the modern automobile would be vulnerable to EMP because of all the electronics packed with silicon chips and semiconductors which manage the efficient running of today's internal combustion engine. Which is why the Good Old Boys of the American Survivalist Movement like to keep a pre-electronic era vehicle in good working order, a pick up truck from the late 1950's or very early 1960's perhaps, from a time which saw the use of dynamo generators and not alternators with semiconductor rectifier diodes, contact breaker and coil ignition circuits - not transistor assisted, and certainly well before the advent of the all-singing, all-dancing engine management computer.

Continuing trouble with them pesky Russians :- Mr Putin's air force have managed to upset Uncle Sam's flyers according to a piece in the *Daily Telegraph* of 13-April with the headline, "Russian fighter jet intercepts US Air Force reconnaissance flight", which says:-

"The US is protesting against the interception of an American reconnaissance plane by a Russian fighter jet last week, calling it 'unsafe and unprofessional' amid what it views as increasingly aggressive air operations by Moscow.

Pentagon spokesman Mark Wright on Sunday said the US was filing a complaint to Russia after the April 7 incident over the Baltic Sea.

Russian officials have denied their pilot did anything wrong, according several news reports.

According to the Pentagon, the US-135 plane was flying in international airspace north of Poland. US officials say a Russian SU-27 fighter intercepted the US aircraft at a high rate of speed from the rear, and then proceeded to conduct two more passes using 'unsafe and professional manoeuvres' in close proximity.

'Unprofessional air intercepts have the potential to escalate tensions between countries', Wright said.

'This air activity takes place in the context of a charged security environment in view of Russia's aggression against Ukraine', he said.

It is not the first time the US has protested to Moscow over what is considered to be an unsafe intercept. Last April, a Russian fighter jet intercepted a US reconnaissance plane in international airspace over the sea of Okhotsk".

And just to re-enforce that last bit confirming air activity on the other side of Old Vlad's empire, the *Times* of 17-April carried a short news item headlined, "Japanese air force working overtime", which says, "Tokyo - The Japanese air force had to scramble fighter jets to see off foreign aircraft 943 times in the past year - the most since the Cold War period, according to the defence ministry.

Russian aircraft, many of which circled Japan, threatening to violate its airspace, prompted 473 interceptions and Chinese aircraft a further 464. The number incidents had dropped to 150 a year after the Cold War."

"Justice must not only be done, it must be seen to be done" - I always thought that this was an underlying principle of a functioning democracy and that secret trials were something found only in totalitarian societies like, for example, Joseph Stalin's Soviet Union. It seems that secret trials take place in this here increasingly dis - United Kingdom too. At the moment this seems to be confined to court proceedings relating to cases of a "terrorist" nature. Perhaps the Establishment are scared that the alleged links between terrorism and the "invisible guiding hand" of government aims and ambitions might be brought to the attention of the public - type the words "false flag" into the search engine of your choice. "Secret terror trial notes locked away" is the title of a short news item in *The Times* of 17-April, written by Sean O'Neill, Crime Editor, which says:-

"Notes taken by journalists at Britain's most secret terror trial are being held at M15 Headquarters. The notebooks of several 'accredited journalists' who could observe but not publish reports of the trial of Erol Incedal were confiscated at the end of the hearing at the Old Bailey. They have been taken to Thames House in Whitehall and placed in secure storage along with other papers of the trial. Newspapers, including *The Times* will today lodge an appeal against the continuation of strict restrictions imposed at the request of the Home Secretary and the Foreign Secretary on grounds of national security.

Turkish-born Incedal, 27, a father of three, was convicted last month of possessing a bomb-making manual but cleared of preparing acts of terrorism. He was sentenced to three and a half years in Jail but will be free within months having been in custody since he was arrested in October 2013."

Ivan takes no prisoners:- There are some entertaining videos on You Tube of what happens to Somali pirates when they try to approach and get on board a Russian registered ship with a view to taking over the vessel and holding the crew captive until a substantial ransom is paid, a ploy which with ships of other nationalities has provided a steady source of income. Not so with the Russians, every member of the crew gets hold of a firearm and opens up on the pirates until they are all killed and their boat is burning from end to end. The golden ticket for your average Somali is to get on board a British registered ship - I think there are still a few left although most have been re-registered in cut-price Third World "Flag of Convenience" countries - whereupon he can surrender to the British captain, claim asylum and be transported to the UK to be given access to housing, healthcare, the welfare system and bring his extended family over from the Old Country for plenty of the same. It seems the Russians are just as energetic on land as they are on the ocean according to a news item in the *I* newspaper of 21-April. "Extremist leader killed in raid on house", is the headline of a short news item by the paper's Moscow Correspondent:- "Russian security forces killed the leader of an Islamist insurgency in the North Caucasus region during a raid on a house in Dagestan.

Four other suspected militants were killed at the same time as Aliashab Kebekov, also known as Ali Abu Mukhammad, after special forces surrounded the house in a suburb of the town of Buynaksk in southern Russia on Sunday, the national anti-terrorist committee said yesterday. It released video footage showing the house exploding, followed by a shoot-out and more more blasts. The house is seen in ruins, with the rubble ablaze.

The Kavkaz Centre website, which sympathises with the militants, said Kebekov was 'martyred' in an 'unequal battle' with state troops. Kebekov became the leader of the Caucasus Emirate group in early 2014 after Russian security forces killed his predecessor, Doku Umarov, who had been Russia's most – wanted man."

Point to ponder:- "Si vis pacem, para bellum" (If you want peace, prepare for war.) (Publius Flavius Vegetius Renatus.)

**Thanks Peter!**

### **Spectre's selected News Articles**

#### **Bletchley Park News 18/03/2015**

##### **Codebreakers' notes found in Hut roof cracks**

War-time notes found stuffed into Hut roof cracks are now on display in a new exhibition - Bletchley Park: Rescued and Restored?

The documents include the only known example of used Banbury sheets, a system devised by Alan Turing to help find the daily-changing Enigma settings. So-called because the stationery was printed in Banbury, Banburismus involved lining up two sheets of paper in which holes were punched over a light box, to help find possible settings.

Among the fragmented codebreaking documents located in the roof of Hut 6 were also parts of an Atlas, a pinboard and a fashion article from a magazine. These are now on display in Hut 12 at Bletchley Park, alongside other items found during the £8 million, Heritage Lottery Fund-supported restoration project. They include a fragment of 1940s teapot, glass bottles including one for Chicory, archaeological items such as bricks from Block F (demolished in the 1980s) and a 'time capsule' left inside a door in Hut 11A.

Hanging from the ceiling above the display cases are a Crittall window frame from Block C, now transformed into a Visitor Centre, and two original wooden floorboards from Hut 6. An audio loop of interviews and insights captured by the Bletchley Park Podcast during this transformational restoration project also plays in the exhibition, titled Bletchley Park: Rescued and Restored.

In addition to the new physical exhibition, Bletchley Park's third digital exhibition is available online at the prestigious Google Cultural Institute.

#### **The Telegraph 18/03/2015**

##### **US loses predator drone over Syria**

Syria state media claims to have brought down spy plane

The United States lost one of its Predator drone aircraft over northwest Syria on Tuesday, U.S. officials said, as Syrian state media reported its air defenses brought down the spy plane in the government-controlled Latakia province.

If Syrian President Bashar al-Assad's forces took down the U.S. aircraft - something U.S. officials said was not immediately certain - it would raise the stakes in the U.S.-led bombing campaign against Islamic State militants that began in Syria in late September.

The United States has previously described Assad's air defenses as "passive," meaning they have not engaged the U.S.-led coalition's aircraft as American and other planes carry out strikes against militants.

The U.S. airstrikes have not targeted Assad's forces or military infrastructure.

Tuesday's incident took place sometime around 7:40 pm in Syria, when the United States lost contact with an unarmed MQ-1 Predator aircraft operating over northwest Syria, a U.S. official said.

A second U.S. official, speaking on condition of anonymity, said the aircraft took off from a base in Turkey and a third official confirmed it was operating over Latakia province.

A fourth U.S. official said the aircraft was destroyed but U.S. officials were not ready to say what happened - much less whether Assad's forces might have engaged the aircraft. They said the cause of the incident was unclear.

"At this time, we have no information to corroborate press reports that the aircraft was shot down," said the first U.S. official, who asked to be described only as a defense official.

"We are looking into the incident and will provide more details when available."

It was the first such incident since the U.S.-led coalition began carrying out air strikes against the hardline militant Islamic State group, first in Iraq in August and then in Syria late the next month.

But it was not the first loss of a coalition aircraft in Syria.

In December, a Jordanian pilot was captured by Islamic State militants after his warplane came down in northeast Syria. The militants released a video in February showing the pilot being burned alive in a cage.

Earlier, Syria's state news agency SANA said its air defenses brought down an American spy plane, without specifying what model of aircraft.

"Syrian air defenses brought down a hostile U.S. surveillance plane in northern Latakia," SANA said in a bulletin, without elaborating. (Reporting by Mariam Karouny in Beirut and Phil Stewart in Washington)

**LSM.lv 20/03/2015**

### **Jets intercept more Russian spy and transport planes**

NATO's Baltic Air Police (BAP) patrol jets have scrambled twice to the skies above the Baltic sea since yesterday to intercept a Russian armed forces surveillance aircraft Ilyushin Il-20 near Latvia's territorial waters, the National Armed Forces (NBS) informed LETA Friday. Later the same night, the NBS tweeted an additional scramble by BAP pilots to the airspace over neutral waters to observe a pair of Antonov transport planes, an AN-12 and an AN-26.

This brings the count of Russian military units spotted near Latvian waters so far this year to twenty-three incidents. Russian military units have been very active near Latvia's border and in the country's exclusive economic zone in the Baltic Sea for the past year, in some cases apparently operating in squadrons of multiple sea- and aircraft.

Russian President Vladimir Putin on Monday ordered Russia's Northern Fleet to full alert in a snap military exercise. The exercise involves 38,000 soldiers, 3,360 military equipment units, 41 ships, 15 submarines, 110 airplanes and helicopters, reported Russia's Defense Ministry.

Latvian Defense Minister Raimonds Vejonis (Greens/Farmers) said on Monday that NATO has the security of Latvia, the Baltic States, and other Eastern European countries high on its agenda.

"The Latvian armed forces are doing an intensive job to improve their early warning and rapid response abilities [...]. I repeat - the aim of our defense development is prevention. Latvian, Baltic, and NATO defense capacity must be strong and obvious enough in order to eliminate the slightest illusion that an aggressor could possibly succeed," the minister said.

Russian military aircraft and ships were detected over 250 times near Latvia's border last year, including 50 cases of Russian warships approaching Latvia's borders.

Russian military aircraft usually operate with their automatic transponders turned off and without any flight plan, declining to respond to civilian air traffic control requests for identification and thus posing a threat to civilian air traffic.

### **The Diplomat 28/03/2015**

#### **North Korea Unmasks Spies in Televised Press Conference**

The press conference is part of North Korea's strategy to paint the outside world as a frightening place.

KCNA is reporting that two South Korean spies, Kim Kuk-gi and Choe Chun-gil, have been "unmasked and arrested while committing espionage." Video, posted alongside the text, shows two men, both apparently not of North Korean descent, reading from a prepared script.

The two men confess to operating as spies for the United States and the South Korean "Intelligence Service," North Korea's way of referring (in English) to the National Intelligence Service (NIS).

Both men, according to KCNA, "gathered information about the DPRK's party, state and military secrets by leaving no means untried under the manipulation and with the backing of the U.S. and the IS and made desperate efforts to spread bourgeois lifestyle and culture in the DPRK." The second man, Choe Chung-gil, is seen wearing handcuffs and appears more rattled than the first speaker, Kim Kuk-gi.

Kim, "who worked as an ambush spy in Dandong, China for over a decade," recounts his propaganda efforts from an underground church. Most notably, he collected information about Kim Jong-il's 2010 trip through Northeast China. He also built a spy network in Dandong and helped disseminate anti-DPRK information, including cartoon books. He claims to have been bribed by the NIS.

Dandong is the location of much cross-border interaction. It is a central contact point for businessmen, missionaries, and – one can assume – spies. It is here where an AWOL KPA soldier was recently captured after taking a Chinese woman hostage. Journalists interested in cross-border trade and Sino-North Korea relations often choose this border-city as their place of investigation.

Choe, who also "committed espionage against the DPRK while residing in Dandong," worked with a Chinese resident "to gather data on munitions factories... aircraft bunkers, airfields and new types of tanks [sic]." He also bribed others in North Korea and China to "[gather] information which could be used for false propaganda about 'human rights'... in the DPRK."

The "unmasking" took place at the People's Palace of Culture, among "reporters at home and those of the General Association of Korean Residents in Japan and foreign correspondents." Followers of the "re-defector" press conferences will recognize the venue and layout. It is here where several re-defectors spoke to an audience of domestic and foreign reporters about their experiences working in China and living in South Korea.

Like the re-defector press conferences, the "unmasked spies" conference is more show than substance. The actual truth-value is probably quite low. The narrative is tightly controlled propaganda, used for the purpose of pushing back against negative perceptions of North Korea. But to call it nothing more than propaganda is to miss the point of these types of press conferences.

These conferences are, as argued elsewhere, part of North Korea's broader information management strategy, an effort to harness the power of discourse to shape people's expectations of what life is like inside and outside North Korea – in this case, mainly outside. The unmasked spies press conference portrays Northeast China, specifically Dandong, as an area filled with conniving spies and distrustful Chinese. The message communicated is, no doubt, carefully constructed to frame Americans, South Koreans, human rights activists, and opportunistic Chinese as enemies of the state. Whether it succeeds in convincing people is an open question.

### **The Mirror 14/04/2015**

#### **British fighter planes scrambled as Russian bombers neared UK airspace**

Typhoons were sent from RAF Lossiemouth in Scotland after two Russian Bear H aircraft were spotted earlier today

British fighter planes and a warship were scrambled as Russian bombers and vessels passed close to the UK.

First it emerged that HMS Argyll had been deployed to monitor a destroyer and two other ships from the country as they passed through the English Channel.

Hours later the Ministry of Defence (MoD) disclosed that Typhoons were sent from RAF Lossiemouth in Scotland after two Russian Bear H aircraft were spotted flying close to UK airspace.



Voyagers based at RAF Brize Norton in Oxfordshire were sent to provide air-to-air refuelling support while communications and radar assistance was given from the National Air Defence Operations Centre.

A Ministry of Defence spokesman said: "RAF Quick Reaction Alert Typhoon fighter aircraft were launched today after Russian aircraft were identified flying close to UK airspace.

"The Russian planes are being escorted by the RAF in the UK area of interest."

The Bears did not enter the UK's sovereign airspace but their appearance will be seen as the second display of Russia's military power near Britain in a matter of hours.

Earlier the Udaloy class destroyer Severomorsk, a tanker and a support ship were monitored by the frigate HMS Argyll as they passed through the Channel while returning from the Mediterranean.

The MoD said no exercises were seen taking place following reports the vessels were set to carry out military drills in the waters.

It follows a flurry of similar incidents in recent months and comes amid strained relations between Moscow and the international community over the crisis in Ukraine.

James Nixey, head of the Russia and Eurasia Programme at Chatham House, said the Channel is a "legitimate shipping lane" but added: "Equally, these things aren't done by accident.

"Russia is trying to show it has got full spectrum capability warfare.

"It is not a prelude to war but it is a reminder that Russia likes to remind us of - that it is a power to be reckoned with, not a fading power, which might be closer to the reality.

"It can tell us that with a degree of braggadocio."

In November the Royal Navy monitored a squadron of Russian warships as they moved through the Strait of Dover after carrying out exercises in the North Sea.

Then in February a Russian warship was tracked as it passed through the English Channel.

On that occasion Yaroslav Mudry and its accompanying tanker, the Kola, were sailing back to Russia after a deployment in the Mediterranean.

British warship HMS Argyll, based in Plymouth, Devon, was deployed and used its Lynx helicopter and sensors to locate and monitor the movement of the Russian ships off the coast of France and through the English Channel.

Today's incidents came as all branches of the British military take part in large-scale military exercises.

The Nato war games, which started on Saturday and run until April 24, include "significant naval and aerial activity" off the west and east coasts of Scotland, the Royal Navy has said.

There is also activity taking place at several other locations in the UK.

## **World News Daily Report 23/04/2015**

### **Two CIA Agents Arrested by Minutemen while Crossing Mexican Border with 1300 Pounds of Cocaine**

A group of minutemen watching the Mexican Border for illegal migrants and drug traffickers, have proceeded to the citizen arrest of two men in an SUV, carrying 1300 pounds of cocaine. The volunteers were completely astonished when the two arrestees pulled out CIA ID cards and explained they were actually carrying the drug as part of their duties and that the cargo belonged to the Central Intelligence Agency.

The incident took place last night, in the Chihuahuan desert, near the Texan city of El Paso. A group of seven minutemen saw a large black SUV drive rapidly across the border. They chased the vehicle in their own trucks and achieved to immobilize it after a chase of more than 15 miles.

The vigilantes arrested the two men on board and called the border patrol, who proceeded to search the vehicle. They discovered dozens of packages of cocaine, totalling an incredible 618.4 kilograms (1363 pounds).  
minutemen2

The search of the vehicle revealed 36 packages of cocaine, all marked with the symbol of the Sinaloa Cartel, representing a black scorpion.

The two men claim to be CIA operatives based in Mexico and explained that the drug was actually part of an operation of the agency. They presented identity cards that seem to validate their claim, but the CIA spokesperson, Dean Boyd, has officially denied any link between the organization and the two men.

"The CIA doesn't take part in drug smuggling operations at the US-Mexican border" said M. Boyd. "I do not know, for now, if the men are actually affiliated to the agency in any way, but I can tell you the cocaine doesn't belong to the CIA."

Both the border patrol officers and minutemen seem unconvinced, however, and many of them seem to believe that the secret service agency is hiding something. The U.S. custom services have even announced a thorough investigation to try and verify the two men's story.

"Both of them had valid accreditations and a receipt for their cargo" says Shawn Francis Miller, spokesman of the U.S. Customs and Border Protection for the El Paso sector. "What drug dealer in his right mind, demands a receipt for 1300 pounds of cocaine? There is really something strange about these guys, and we believe the CIA possibly knows more than what it is ready to admit."

The custom services have confirmed that the two men, who can't be identified due to the Intelligence Identities and Protection Act of 1982, did carry valid CIA identifications and that the vehicle was indeed registered as a service vehicle of the organization.

The two men remain under the custody of the custom services at the moment, and are still being interrogated in a facility near El Paso. They are facing charges of possessing, trafficking and importing illegal drugs, and could face other criminal charges once the investigation is over.

Both the FBI and the DEA have announced that they would collaborate with the U.S. Customs and Border Protection on this case, which as already attracted a lot of attention in Southern Texas.

## Vladimir Putin's 'misinformation' offensive prompts US to deploy its cold war propaganda tools

Pressure grows from Congress to counter slick Russian media that erodes support for Nato

Russia's sprawling propaganda network may have failed to persuade much of the world that Ukraine is run by Nazis, that Crimea was annexed in a popular uprising and/or that Germany is a failed state. But the barrage of misinformation has convinced some American politicians that the propaganda network is the greatest threat to US security in Europe since the Soviet Union evaporated.

Leading members of Congress are pushing for the US to revive its own propaganda machine, largely dormant in eastern Europe since the end of the cold war, to counter the rapidly multiplying Russian media barrage, from TV channels and news websites to internet trolls and thinktanks pushing the Kremlin line. "Russia has deployed an information army inside television, radio and newspapers throughout Europe," congressman Ed Royce, chairman of the House of Representatives foreign affairs committee, told a hearing on Kremlin propaganda. "Russia's propaganda machine is in overdrive, working to subvert democratic stability and foment violence."

Royce has warned that Russian propaganda "may be more dangerous than any military, because no artillery can stop their lies from spreading and undermining US security interests in Europe".

Congressman Eliot Engel said the situation required "a robust response from us". The state department has become so alarmed it appealed to major media companies, including Sony Pictures, for help in combating the Kremlin's "skewed version of reality". But there is division over a push by Royce and others in Congress for Voice of America to play a more overtly propagandist role.

In the west, the Kremlin's most visible mouthpiece is RT television, formerly known as Russia Today. Critics say that under the guise of challenging mainstream news coverage – RT's motto is "question more" – the station works to discredit critics of the Russian government and justify Moscow's actions in ways that may be familiar to Royce and other Republicans from Fox News's efforts to spin the invasion of Iraq, defend CIA torture and question President Obama's loyalty.

"Russian propaganda is sometimes so crazy, it says such impossible things, it doesn't have the effect of making people believe them but it breaks down people's defences," said Kadri Liik, a Russia and eastern Europe expert on the European Council on Foreign Relations in London. "It's not just lies, in the way of Soviet propaganda. It's more sophisticated. A kind of violence against the mind."

The focus of western concern is the Kremlin's influence on public opinion in the Baltic states – Lithuania, Latvia and Estonia – where, US officials say, it is seeking to strengthen pro-Moscow nationalism among Russian-speaking minorities and erode support for the EU and Nato.

The limited, existing US counter-effort is spearheaded by the Broadcasting Board of Governors (BBG), a federal agency overseeing the Voice of America and similar radio stations aimed at the Middle East, Cuba and Asia. Matthew Armstrong, a member of the board, said: "Kremlin propaganda intentionally and wilfully undermines public confidence through lies and propaganda. It questions – not to find answers but to question the hell out of you so you tune out. It undermines confidence in the media, in democracy, in the EU, in Nato, in the west."

Liik said Russian minorities in Baltic countries mostly get their news from Russian television. She said that in her country, Estonia, viewers are drawn in by populist, highly produced programmes in which Kremlin propaganda is part of the fare, alongside game shows and drama. Liik said it generally builds on existing sympathy for Moscow, but she is sceptical of warnings that it is fuelling divisions that threaten the integrity of Baltic states. "It's pretty logical that Russian speakers have a bigger soft spot for Russia's view on foreign policy. But it's not just because of what they see on television. It has its roots in education, because many of the teachers who have taught history have a Soviet education," she said.

"They see what Russia is doing in Ukraine differently from other Estonians, they tend to justify the annexation of Crimea. But when people ask, say, whether anyone feels discriminated against because of nationality, then overwhelmingly they say no. When you ask about language, they say everyone should learn Estonian."

Baltic governments are not so sanguine but their efforts to counter what Latvia has called an "information war" by the Kremlin are uncoordinated and weak. Latvia, which has the largest Russian-speaking population in the EU, has proposed a Baltic-wide Russian-language channel. Estonia says it will launch its own version later this year.

The UK and Denmark have pressed for EU financial assistance to independent Russian-language channels. Germany is planning to produce its own broadcasts aimed at the Baltic states' Russian speakers. The US launched a news programme, Current Time, aimed at the region but it drew few viewers. Royce and Engel are pushing legislation to move the Voice of America away from what it sees as its traditional role in countering propaganda with independent news reporting in order to have it explicitly broadcast in support of US foreign policy as well as greatly expand its television output.

But that has met resistance from officials who say it will erode the credibility of western broadcasts – already regarded by some of those they are intended to influence as yet more propaganda – and play into Kremlin hands that foreign news is no more credible than Moscow's broadcasts.

Armstrong said the BBG had been pushing a plan for a number of Russian-language TV stations run by the Baltic states that would put together their own well-packaged broadcasts by drawing on a pool of high-quality, populist fare, such as US dramas, mixed with credible local reporting. "The short of it is no one has really stepped up to participate," said Armstrong.

Although the Baltic states have been the focus of American attention, US officials are also disturbed by the impact of Kremlin messaging on former Soviet satellite countries. Scores of professionally designed news websites with a pro-Moscow tilt have sprung up in the Czech Republic, Hungary, Slovakia and Bulgaria, often playing on disenchantment that post-communist societies are not living up to expectation to portray western Europe as in decline and Russia as the future. The US says they are backed by a small army of internet trolls and Moscow-funded thinktanks.

Andrew Weiss, former director for Russian, Ukrainian and Eurasian affairs on the White House national security council staff, said pro-Kremlin messaging was encouraged by political leaders sympathetic to Putin and those with business ties to Moscow.

"The Russian government tries to play off anti-Americanism, which remains a significant force, as well as to use the well-oiled and tested machinery of influence peddling and mutual commercial benefits to promote its cynical view of how the international system should work. In some countries, particularly in eastern Europe or central Europe, those forces are very powerful."

The EU is pushing back with a plan to launch a "mythbusters" taskforce to challenge Kremlin claims that it is anti-Russian. Nato, which the pro-Moscow media has accused of driving the conflict in Ukraine to undermine Russia, has established an information centre in Latvia with a similar goal.

Liik is doubtful western efforts to change the minds of those sympathetic to Moscow will have much effect: "People focus on communication, how to get our message across. But they don't notice we have a problem with our message. We are not really necessarily living the model we are preaching," she said, noting that

US and western European claims to stand for human rights and democratic freedoms often ring hollow when others look at events in the Middle East, and politics appears corrupted by money.

“When you live in London, you know that’s not the norm. But when you’re a Russian, you read about it and you think, of course, that’s how things work, everything is for sale, it’s no different from Russia. I think we don’t really understand the way our political model comes across, how people who live in different societies interpret our reality through their own experience,” she said.

Voice of America

The radio station was founded within weeks of the US entering the second world war, with its first broadcasts aimed at Germany. After the war, it focused on news and opinion aimed at the Soviet bloc.

It was accused of being a propaganda tool, in part because it was directed against the US’s enemies and spawned stations such as Radio Marti, aimed at Cuba. Its journalists insisted that they maintained editorial independence.

Shortly after 9/11, a VoA report on Afghanistan included remarks by the then leader of the Taliban, Mullah Omar Mohammed, prompting the Bush administration to accuse it of giving a platform to terrorists. Since the end of the cold war, VoA has suffered budget cuts. Congress is seeking to redefine its role to make it explicitly broadcast in support of US foreign policy.

RT

The TV channel was founded as Russia Today under Vladimir Putin in 2005. Initially an English-language satellite news channel, it now also broadcasts in French, German, Arabic and Spanish and has stations dedicated to the US and UK.

It presented itself as an alternative voice to western media, prepared to challenge orthodox views. The WikiLeaks founder, Julian Assange, and British MP George Galloway have presented series on RT offering alternative perspectives on current events. It has faced accusations of being a propaganda voice of the Kremlin, particularly on issues where Moscow is involved.

The British regulator, Ofcom, has found RT in breach of its rules on impartiality. One of its US-based presenters, Liz Wahl, resigned on air in 2014, accusing the station of broadcasting propaganda. Another presenter, Abby Martin, criticised Russian intervention in Ukraine in a broadcast.

## **ARS Technica 25/04/2015**

### **CIA couldn’t fully use NSA spy program as most analysts didn’t know about it**

New CIA internal watchdog report from 2009 released as part of New York Times lawsuit.

A newly-released document from the Central Intelligence Agency’s (CIA) own internal watchdog found that the government’s controversial warrantless surveillance and bulk data collection program was so secretive that the agency was unable to make “full use” of its capabilities even several years after the September 11 attacks. Initially, only top-level CIA officials were cleared on its use, rather than rank-and-file “CIA analysts and targeting officers.”

The document, a June 2009 report from the CIA Inspector General (IG) was released as part of a trove of 747 pages entitled the “Report on the President’s Surveillance Program” and was published on Friday by The New York Times as the result of victory in a Freedom of Information Act lawsuit filed against the Department of Justice.

The CIA IG report, like the others, is redacted in many places, but provides some new material as to the specific history, play-by-play and internal evaluations of the program. In 2009, the government had previously published a far shorter unclassified version.

STELLAR WIND, the code name for the highly-secretive President’s Surveillance Program (PSP, or “The Program”), was created in the wake of the September 11 attacks (which Ars has reported on previously). The legal justification for the PSP has changed multiple times over the years, and today it stands under the Foreign Intelligence Surveillance Act Amendments Act (FISA AA) of 2008, which remains law.

The CIA IG report writes that under the PSP, there were three “sets of data” collected.

The first set included the content of individually targeted telephone and e-mail communications. The second set consisted of telephone dialing information—the date, time, and duration of calls; the telephone number of the caller; and the number receiving the call—collected in bulk [REDACTED]. The third data set consisted of e-mail transactional data [REDACTED] collected in bulk [REDACTED].

The CIA IG added:

Several factors hindered the CIA in making full use of the capabilities of the PSP. Many CIA officers told us that too few CIA personnel at the working level were read into the PSP. [REDACTED] officials told us that CIA and targeting officers who were read in had too many competing priorities and too many other available information sources and analytic tools—many of which were more easily accessed and timely—to fully utilize the PSP. CIA officers also told us that the PSP would have been more fully utilized if and targeting officers had obtained a better understanding of the program’s capabilities. Many CIA officers noted that there was insufficient training and legal guidance concerning the program’s capabilities and the use of PSP-derived information. The factors that hindered the CIA in making full use of the PSP might have been mitigated if the CIA had designated an individual at an appropriate level of managerial authority, who possessed knowledge of both the PSP and CIA counterterrorism activities, to be responsible and accountable for overseeing CIA participation in the program.

The CIA did not implement procedures to assess the usefulness of the product of the PSP and did not routinely document whether particular PSP reporting had contributed to successful counterterrorism operations.

## **Daily Star 26/04/2015**

### **Putin’s spooks flood UK**

BRITAIN’S spymasters have warned MI6 agents and their families they could be targeted by Russia.

A top-level memo has revealed all serving and former members of the Secret Intelligence Service and their families are at risk from agents trying to uncover highly-classified intelligence.

The memo, seen by the Daily Star Sunday, warns that spies working on the orders of Russian President Vladimir Putin could attempt to blackmail members of MI6 into becoming double agents.

The note, which came from MI6 headquarters in Vauxhall, London, says Russian intelligence agencies are “very active” in the UK and regard staff and former employees as “high-priority targets”.

Details of the memo emerged in the wake of an surge in activity by Russian military jets, ships and submarines, aimed at testing Britain’s defences.

MI6 building HQ TARGETS: MI6 building near Vauxhall [PA]

Russia is now believed to have more spies working in the UK than at any time since the end of the Cold War.

MI5, Britain’s homeland security service, believes there could be at least 80 of Putin’s agents operating here at any one time.

The threat against MI6 staff and their families is being taken so seriously that anyone approached by foreign agents has been told to call an emergency number.

Intelligence sources said the Russians could use a range of tricks including offering cash or setting a “honey trap” – where a woman spy attempts to gather secrets after seducing her target.

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

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

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

The memo warns that Russian agents are prepared to target the business interests of ex-staff members.

Related articles

Putin spy sub 'almost SANK trawler after getting caught in fishing nets'

Chilling: Mid-air collision 'real possibility' between Russian planes and UK holiday jets

RAF and Navy on red alert as Russian planes and ships spotted near Britain

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

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

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

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

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

## SPECIAL MATTERS

### Operation Jallaa:



#### MESSAGES:

#### RELEVANT WEBSITES

ENIGMA 2000 Website:

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

Frequency Details can be downloaded from:

<http://www.cvni.net/radio/>

More Info on 'oddities' can be found on Brian of Sussex' excellent web pages:

<http://www.brogers.dsl.pipex.com/page2.html>

Time zone information:

<http://www.timeanddate.com/library/abbreviations/timezones/>

Encyclopedia of Espionage, Intelligence, and Security

<http://www.espionageinfo.com/>

EyeSpyMag!

<http://www.eyespymag.com>

| 2015                 |    |    |    |    |    |    |
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| Source: Vertes42.com |    |    |    |    |    |    |
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