

ENIGMA 2000 NEWSLETTER



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



New US Embassy located at Battersea, London

<http://www.dailymail.co.uk/news/article-5252207/Flag-removed-embassy-Mayfair-ahead-move.html>

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Editorial



For most of January the solar weather has again wrought its wrath on the shortwaves.

The general day forecast being fair for frequencies from Top Band to 40M and rather naff for frequencies above. The night generally makes way for decent signals between Top Band and 40m but above is variable indeed.

Whilst Number station traffic continues in 2018 subject, as always, to the ups and downs of short wave propagation, wide variations most notable with those schedules which take to the airwaves on the same day of each week, the Monday + Wednesday E07 SSB for example, where signal strengths of transmissions just days apart often show large differences.

Those of us operating from a site with a decent external antenna are blessed with weak or fair signals, some buried in noise, whilst some of us using clandestine antennas [such as mine at work – see left] have difficulty with an intercept due to this poor propagation.

It is here the use of an online SDR is useful, but for some of us it isn't the same experience – like HF BC transmissions being different from the QRM free streams available via the internet the target station sometimes sounds 'different' and certainly stronger and no Broadband interference

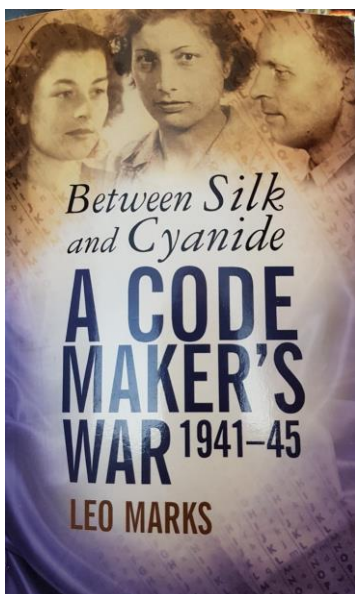
The Thursday night E07 2110z schedule rewarded us with a message on the 2nd February in an albeit weak transmission in its third slot; the other two slots definitely unworkable. Nonetheless, an unusual occurrence. This has continued to be seen, lately beginning of March 2018.

This image more in keeping with following review of 'Between Silk and Cyanide. A Code Makers War 1941-1945'



Interesting image of an intercept Set Room from WW2. Receivers believed to be the Marconi CR100. [Royal Navy had LF version, blue case, the B28] Note the Undulator which printed the Morse Characters, seen at right of each individual wireless set

Recommended Reading



This book was given to me by Peter Matthews whilst we were doing something for BBC1's 'The One Show' some years back now. Akin Fernandez was also interviewed.

The subject of course was Number Stations, the production whilst well thought out was somewhat bitty because they did not listen to all the advice we were giving.

Peter's contribution was presenting One Time Pads on TV; his qualifications? Well he used them in wartime Berlin, later commanding troops at Spandau Prison, he was also deeply involved in 'Operation Paperclip'

This book is an excellent read and gives more than an insight into the workings of Great Britain's SOE. How it achieved much is not a mystery as the author, Leo Marks, was not only an active light in the changing of its insecure double-transposition poem codes but also blew the whistle on the Gestapo's 'Engladspiel' by foresightedness and his quick and agile analytical brain.

Those who have seen certain films about the Resistance and the capture of the W/T ops will have seen the Gestapo torture ops for their 'poem.' That seen on the right is the one used by Violet Szabo as portayed in the film 'Carve Her Name with Pride.'

This book far surpasses MRD Foot's 'SOE' and different from Foot's efforts its printing was suppressed by HMG for 10 years.

The life that I have
Is all that I have
And the life that I have
Is yours

The love that I have
Of the life that I have
Is yours and yours and yours.

A sleep I shall have
A rest I shall have
Yet death will be but a pause
For the peace of my years
In the long green grass
Will be yours and yours and yours.

Leo Marks

That's a good advert from HMG.



Peter Matthews discussing OTPs with BBC 'One Show' reporter and Historian Ruth Goodman; PLdn stands in doorway observing.

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

We start with a couple of unidentified stations from André, (F5JBR), believed to be Chinese.

UNID CW

UNID 1

3198 1918z 12 Jan Call Sign DWE UNID Chinese (Via SDR JAPAN) CW F5JBR FRI
 3W9 de DWE QSA ? 7310 VVV
 3W9 de DWE QSA ? 7310 VVV
 NR 1214 10 01 13 0335 854 7310 = 67931 73256 56782 93176 23756 45617 24562 43679 45162 23
 NR 1214 10 01 13 0400 1359 001 = 67931 73256 56782 93176 23746 45617 24562 43679 45162 23658

UNID 2

3265/6 1403z 01 Feb Call Sign TLM UNID CHINESE ? (Via SDR Japan) CW F5JBR THU

TLM Wkg 3 outstations S1O RM3 T1G (comms checks and QTCs) in Simplex

(3265kHz) S1O de TLM
 QTC NR 02 38 30 0201 2300 123456 = 31415 26410 32915 02715 32764 R 59168 62714 62780 48165 26041
 14265 32104 25169 32148 21639 R 21908 51730 16819 13057 81469
 01375 41689 37154 13869 91002 ?

(3266 kHz) S1O de TLM QSA ? 0368 K
 S1O de TLM QSA ? 1960 K
 S1O de TLM QSA ? 1941 K
 TLM de S1O
 QTC NR 01 14 30 0201 2330 123456 = 81284 31026 24165 62704 34230 24165 86914 35414 38167 24654 R
 01253 62139 51864 82140 71540 13479 51496 7015 82419 06351 R
 39914
 QSL 01 ?

QTC NR 02 38 30 0201 2300 123456 = 31415 26410 32915 02715 32764 R 59168 62714 62780 48165 26041
14265 32104 25169 32148 21639 R 21908 51730 16819 13057 81469
01375 41689 37154 13869 91002 ? 0368 K

TLM de S1O (on 3266 kHz) RPT TXT K

NR 01 14 32 0201 2330 12750 = 77359 50784 88254 97333 20001 18279 37931 80760 08189 57257 R
93418 48608 27592 37593 33940 68750 87044 51894 92325 97260
21879 R 18495 37004 81536 02375 57456 91084 29066 27756 31137
82874 R 08111 08750 ? 0315 QRX ? K
QSL 01 ?

(1426z) RM3 DE TLM QSA ? 1941 K
RM3 DE TLM QSA ? 1956 K
RM3 DE TLM QSA ? 1941 K
RM3 DE TLM QSA ? 1941 K
RM3 DE TLM QSA ? 1956 K
TLM de RM3 QSA 5 ? 1663 K
RM3 de TLM QSA ? 0368 K
TLM de RM3 QSA 5 ? 03664 K
QTC NR 02 37 30 0201 2300 1234567 = 31415 26410 32915 24185 514866

(1445z) VVV VVV T1G de TLM QSA ?
VVV VVV T1G de TLM QSA ?
VVV VVV T1G de TLM QSA ? 7849 ? 7849 K
VVV VVV T1G de TLM QSA ? 7849 ? 7849 K

M01 Activity & News

Lots of activity from the M01 family to report this time. We have an unscheduled M01 transmission sent at 0700z on a Thursday morning plus one of the most confusing scheduled M01 messages we have encountered in a long time. In addition we have the latest logs & comments from Edd Smith with his continuing M01a study, but first we have a series of logs from Edd, (E.SMITH), of an unknown M01 messages in M01 format on 9566kHz on a morning schedule. We don't know if this is a short-term event or if this one will continue - Time will tell!

M01 - Unknown Schedule

Edd, (E.SMITH), has sent in some logs of. Messages logged so far are sent using the call-up of '475', & are repeated on the same schedule in the days following. Here are Edd's notes & Logs:

No parallel frequency found, D.K/GC./Groups repeated twice, no parallel frequency found, have searched at 0615 / 0715z and no repeat has been found. Took me time to find the target area – Northern Europe. Unfortunately I miss some days, however transmissions on 9566kHz are not following a weekly schedule.

9566 0726 (IP) - 0730z 07 Feb (IP) ... 46756 53479 34792 83749 497 50 = 0 0 0 (Via SDR Enschede) MCW E.SMITH WED

9566 0715 - 0726z 08 Feb 475 497 50 = 82376 48723 76534 56786 87623 46756 5 (Via SDR Enschede) MCW E.SMITH THU

Unable to read most of message. Message ended at the same place I found it IP Wednesday 07 Feb. I monitored for another five minutes with no more activity.

9566 0715z 09 Feb Friday - NRH

9566 0715 - 0731z 10 Feb 475 497 50 = 82376 48712 0 0 0 QSA3 QSB4 QRN4 (Via SDR Enschede) MCW E.SMITH SAT

Again due to poor propagation I was unable to read the message, however from what I could hear the transmission was peppered with some varying speeds and the occasional burst of a repeated letter.

11 Feb Sunday - ?

12 Feb Monday - ?

9566 0715z 13 Feb Tuesday - NRH

9566 0715 - 0733z 14 Feb 475 505 50 = 93474 65655 37878 76867 0 0 0 (Via SDR Sweden) MCW E.SMITH WED

9566 0715 - 0730z 15 Feb 475 505 50 = 93474 65655 37878 7686 0 0 0 (Via SDR Sweden) MCW E.SMITH THU

9566 0715 - 0731z 22 Feb 475 421 50 = 72893 64918 65848 0 0 0 (Via SDR Enschede) MCW E.SMITH THU

9566 0715z 28 Feb 475. Transmission at Enschede very weak/Unable to read MCW E.SMITH WED

[Good catch Edd, & an interesting find]

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

Variant formats continue to be used on an irregular but frequent basis. There are three formats currently in use:

Standard Format: 197 (R4m) 117 117 30 30 == 93447 20478 == 117 117 30 30 000

Variant Format 1: 197 (R4m) 147/30 147/30 78902 ... 86083 147/30 000

Variant Format 2: 197 (R4m) 521=30 == 521=30 == 46547 ... 88305 = 521=30 == 521=30 0=0=0

January 2018:

4490	2000z	02 Jan	'197' 741=30 ==	49904...	...LG 57262 ==	Fair, slow, steady. Errors noted. Format 2	CB	TUE
	2000z	04 Jan	'197' 462 30 ==	65118...	...LG 43787 ==	Strong, fast, irregular. Errors noted.	BR/CB	THU
	2000z	11 Jan	'197' 103 30 ==	45407...	...LG 81015 ==	Strong, fast. Faultless delivery for a change!	CB	THU
	2000z	16 Jan	'197' 448 30 ==	08733...	...LG 30261 ==	V.strong, fast. Faultless except 000 0 at end	AB/CB	TUE
	2000z	18 Jan	'197' 876 30 ==	62159...	...LG 63705 ==	Strong, fast. Errors noted inc. 4-fig repeats	CB	THU
	2000z	23 Jan	'197' 399 30 ==	17136...	...LG 23345 ==	Strong, low noise. Steady faultless delivery	CB	TUE
	2000z	25 Jan	'197' 709 =30= =	21852...	...LG 58314 ==	Strong, fast. Almost faultless. Format 2	CB	THU
	2000z	30 Jan	'197' 876 30 ==	19814...	...LG 14581 ==	Fair, Med-fast. Numerous errors noted	CB	TUE
5320	1800z	02 Jan	'197' 684=30 ==	49961...	...LG 76998 ==	Fair, slow, steady. Errors noted. Format 2	CB	TUE
	1800z	04 Jan	'197' 458 30 ==	68530...	...LG 40483 ==	Weak, fast, irregular. Errors noted	BR/CB	THU
	1800z	09 Jan	'197' 221 30 ==	00826...	...LG 63618 ==	Good, fast. Good Morse. Some short pauses	BR	TUE
	1800z	11 Jan	'197' 397 30 ==	65249...	...LG 65049 ==	Strong, fast. Excellent Morse. Error grp19	CB	THU
	1800z	16 Jan	'197' 530 30 ==	57514...	...LG 07546 ==	Strong, perfect fast faultless delivery	AB/CB	TUE
	1800z	18 Jan	'197' 584 30 ==	26073...	...LG 92674 ==	Strong, fast. Errors noted inc. 4-fig repeats	CB	THU
	1800z	23 Jan	'197' 707 30 ==	58443...	...LG 72268= =	Fair, Call up fast then slowed down for msg.	CB	TUE
	1807z	25 Jan	'139'	77214...	...LG 75061 = =	Fair. No preamble, DK as call-up. Ends 139 30	CB	THU
	1800z	30 Jan	'197' 654 30 = =	16732...	...LG 71565 = =	Fair, Med-fast. Irregular CW with noted errors	CB	TUE
5465	0700z	07 Jan	'197' 543 30 = =	75679...	...LG 70987 = =	Fair, fast. Excellent Morse. Error Grp19/20	BR	SUN
	0700z	14 Jan	'197' = =	76658...	...LG 10178 = =	V.strong, fast. No start DK GC. 910 30 at end	CB/HFD	SUN
	0707z	21 Jan	'197' 137 30 = =	39775...	...LG 23547 = =	Fair, fast. Errors in grps02-03	BR	SUN
	0702z	28 Jan	'197' 401 30 = =	95530...	...LG 86873 = =	Strong, med-fast. No pauses between grp/rpt	BR	SUN
5810	1500z	13 Jan	'197' 715 30 = =	65.4??...	...LG 74346 = =	Fair, fast. Good delivery, local noise at times	CB	SAT
	1500z	20 Jan	'197'	99072...	...LG 26555 = =	781 = 30 = = 781 030 0 0 0 (No preamble)	AB/CB	SAT
	1500z	27 Jan	'197' 708 30 = =	09544...	...LG 08126 = =	Fair, rapid delivery. Several errors noted	CB	SAT

February 2018:

4490	2000z	01 Feb	'197' 234=30 ==	71164...	...LG 65586 = =	Strong, med-fast. Steady delivery. Format 2	CB	THU
	2000z	06 Feb	'197' 565/30	03611...	...LG 21495	Strong, med-fast. One error noted. Format 1	BR	TUE
	2000z	08 Feb	'197' 403 30 = =	83099...	...LG 34439 = =	Strong, Slow. Corrected error grp21	CB	THU
	2000z	13 Feb	'197' 05957 227 = 30	81733...	...LG 14482 = =	Strong, slow. Extra grp in call-up. Format 2	CB	TUE
	2000z	15 Feb	'197' 291 30 = =	30539...	...LG 90852 = =	V.strong dropped to fair, rapid. Possible errors.	CB	THU
	2000z	20 Feb	'197' 405 = 30	05334...	...LG 60220	Strong, steady. Errors noted. Format 2	CB	TUE
	2000z	22 Feb	'197' 721/30	76517...	...LG 75676	Strong, steady, rapid. No errors. Format 1	CB	THU
5320	1800z	01 Feb	'197' 246 30 = =	52140...	...LG 19899 = =	Weak, med-fast. Steady delivery with errors	CB	THU
	1759z	06 Feb	'197' 531/30	30405...	...LG 29312	Fair, rapid. Long spaces. No errors. Format 1	CB	TUE
	1800z	08 Feb	'197' 711 30 = =	21844...	...LG 80392 = =	Strong, slow. Perfect delivery. No errors	CB	THU
	1800z	13 Feb	'197' 105 = 30	28626...	...LG 28393 = =	Strong, slow. One error grp27. Format 2	CB	TUE
	1800z	15 Feb	'197' 555 30 = =	98936...	...LG 29760 = =	Fair/weak, rapid. Difficult copy at times	BR/CB	THU
	1800z	20 Feb	'197' 713 = 30	20573...	...LG 09973	Strong, almost perfect. Format 2 with changes	CB	TUE
	1800z	22 Feb	'197' 421/30	39452...	...LG 85499	Strong, rapid. One noted error. Format 1	CB	THU
5465	0700z	04 Feb	'197' 987 30 = =	13843...	...LG 47502 = =	Strong, rapid. Irregular spacing. Errors noted	CB	SUN
	0700z	11 Feb	'197' 357/30	25321...	...LG 96282	Strong, slow. Hesitant. No errors. Format 1	BR	SUN
	0700z	18 Feb	'197' 468/30	87433...	...LG 85305 = =	Fair, med-fast. Hesitant at times. Format 1	BR/HFD	SUN
5810	1500z	03 Feb	'197' 789 30 = =	. . . . .	...LG 00343 = =	Good, fast. Mostly swamped by severe XJT	BR	SAT
	1500z	10 Feb	'197' 329 30 = =	76385...	...LG 03730 = =	Weak, fast. Heavy digital QRM. Errors noted	CB	SAT
	1500z	17 Feb	'197' 462 30 = =	. . . . .	...LG	Strong XJT on freq. Only start of msg logged	BR	SAT

Confusing M01 Message from an Experienced Operator

Having followed the regular M01 transmissions for a number of years now, you would think that we have seen all of the tricks that this station can come up with. Believed to be a training schedule, the station sends six messages a week on four days of the week, with messages ranging from near perfect to - let's say - somewhat challenging. Along with changes in speed from slow to very fast the operators will also mess with the spacing, with the number of characters in a group or decide not to have any spaces at all for a part of the message. A more recent development is the introduction of some format variants.

Whether any novice or inexperienced operators are used is difficult to assess. What is apparent is that the station uses highly experienced operators who are capable of introducing 'errors' into the message while maintaining a fast, uninterrupted flow that does not falter - not an easy task when sending five figure groups.

On Tuesday, 27 February, Chris, (CB), logged both the 1800z & 2000z transmissions which, as is usual, were both sent by the same operator. As the messages are hand sent the usually attributable to the same operator by the style & rhythm of the keying. This particular day the operator decided to pull out all the stops & created a chaotic series of figures - particularly with the 2000z transmission - logged by Chris & transcribed below along with his comments. This is one of the most extreme examples we have seen, although others can approach this area. One thing is for sure, M01 is never the same two days running & will always be in some way challenging.

5280	1800z	27 Feb			1810z	Strong	CB	TUE
			42.....[error sign] 527 547 3 30 =					
			96323 (9623) 89428 12698 26736 56791 (46791) 27729 50929 59368 30968 391312 315					
			428 28296 966 7082 782 35 496 35496 38857 62505 07773 93059 74696 34440 19482 942					
			29507 7907 2940 8088....[error sign] 908 07601 022205 (0205) 41154 (41151) 77492 19778 = = 547 30 0 0 0					

Strong signal on call up then dipped slightly, medium noise. Same op as Sunday, much of what he sent makes little sense with some 3f 4f 6f groups hence I have the complete transcript here as logged. Made two attempts at the start DK before settling on 547. I have included the group sent as 35 496 then 35496 as that is how it was sent, more confusion.

4490 2000z 27 Feb 2009z Fair CB TUE
 191919719 [call up just a series of ones nines and sevens in no particular order] 422 30 =
 91488.....[error sign] 91419 (91418) 96800 27307 07398 99329 34840 86818 69828 3278 74087
 02872 6726 01358 36586 (3658) 43735 [missed a digit in that group] 5595 7585 34745 34134 12 38221822
 17273727 43483 1361 63401 40438633 363 36799 5766 576459346594 4598 94598 696 (long pause)
 81 8 48 818 48 [guess that was a group 81848 sent twice] 83 75 0 83750 05789 = 422 30 0 0 0

Fair signal medium noise. Same op that is determined to confuse. Well that's how I have it...

Additional M01 Transmission

Ary, (AB), caught this additional M01 transmission on Thursday, using the Sunday time & frequency, using CW instead of the characteristic MCW 'Two-tones'...

5465 0700z 15 Feb '197' 407 30 13912... ..LG 74887 = = Running the groups together. Many mistakes. AB THU
 197 407 407 30 30
 13912 32843 76660 0 669105 (6691) 94040 (94090) 76785 28783 49290 26549
 65332 86628 89135 59011 58303 24588 73220 4671 41794 48740 (4874) 04389
 31452 (3145) 99352 (9352) 87042 (704) 39649 (39973) 83973 (839) 84287 92806
 (920) 704 703 74887 (75887)
 = = 407 407 30 30 000 *Courtesy AB*

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

Edd (E.SMITH) continues to monitor & study the M01a transmissions in depth. Below are his latest logs along with some observations & notes.

There are two parts, the first being what are believed to be training sessions that appear on a number of, usually lower, frequencies, often continuing for some time, with periods of silence in between. The second part conform to a schedule that Edd has worked out, using frequencies from 8MHz - 11 MHz.

Edd & ENIGMA 2000 would be pleased to hear from anyone who can add anything further on this previously neglected station. *Excellent work Edd!*

Notes on codes used in the messages:

Six Dots - Prosign for Mistake (instead of eight).

111 Information complete/sent? - also sometimes seen on end of scheduled sending of traffic before zeros.

333 Change of information to be sent.

999 Message to be sent.

N.B.

Spacing is hard with M01a Training due to the regular mistakes and constant irregular pauses, as with M01a it sounds like the information is changing whilst being sent and the Operator must react accordingly.

I generally group the digits as they are meant to be received [uniformly], omitting much of the spacing between them to give a clearer picture of the intent.

As you can imagine with the training of inexperienced Operators the pausing and mistakes are perpetual.

I space time between traffic like this: A gap between lines is anything from a few seconds to a minute. Three dots represents anything over a minute, and anything over five minutes is timed - however I will also put a space between changes in the information being sent - again to give a clearer view of intent.

In chronological order of time found in progress.

Part 1 - Training Transmissions

4029 0946 (IP) - 0955z 16 Jan (In progress) (Via SDR Silec Poland) CW E.SMITH TUE
 20 10 12
 11 333 00
 0 40 02
 60 960 160 0 20 182 1
 1 1 0 20 1821
 ...
 333 0 1
 0 20 020 5
 0 8 0 (x2)
 6 0 9 (x2)
 6 0 9 (Repeated x3mins)
 1 0 0 0
 111 0 0 0

3881//5929	1011 - 1418z	16 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	TUE
<p>Transmitting on parallel frequencies. Poor Voltage regulation/Chirp.</p> <p>695 (x3) 27579 (x2) (Rx3) Stops during forth repeat.</p> <p>111</p> <p>111 999</p> <p>105 5555 105 30 = 74912 31473 03657 97910 46169 71603 96430 87584 75263 89582 66167 61033 52957 55489 56930 18871 84069 41805 56147 65745 23414 46745 67987 45674 34632 54645 35685 36564 65656 68676 = 105 30</p> <p>0 0 0 <i>[1021z]</i></p> <p>...</p> <p> <i>[1224z]</i></p> <p>695 (x3) 27763 (x2) (Rx7)</p> <p>...</p> <p>695 (x3) 26680 (x2) (Rx2)</p> <p>695 (x2)</p> <p> <i>[Hand down/Test tones]</i></p> <p>111</p> <p>...</p> <p>111 999</p> <p>108 20 = 13469 14303 03346 51443 66177 66280 23667 94x11 48931 78130 79912 31473 78431 37920 36169 65239 59652 77852 28546 94521 = 108 20</p> <p>0 0 0 <i>[1241z]</i></p> <p>...</p> <p> <i>[1412z]</i></p> <p>695 (x3) 26809 (x2) (Rx2)</p> <p>111 999</p> <p> <i>[Unable to read message.]</i></p> <p>110 20 = 23412 = 110 20 000</p>							
5365	1031 (IP) - 1037z	16 Jan	(In progress). Three Ops keying I.D's on same Freq.	(Via SDR Silec Poland)	CW	E.SMITH	TUE
<p>677</p> <p>470</p> <p>569</p>							
4705	1039 (IP) - 1050z	16 Jan		(Via SDR Silec Poland)	CW	E.SMITH	TUE
<p>Both I.D's and groups were repeated an arbitrary number of times with some mistakes.</p> <p>381 (Rx) 36183 (Rx) (Rx2)</p> <p>...</p> <p>381 (Rx) 36194 (Rx) (Rx6)</p> <p>381 (Rx) 36104 (Rx3) <i>[Stops during fourth repeat]</i></p> <p>111 0 0 0</p>							
3906	1119 (IP) - 1520z	16 Jan	(In progress) Unable to read,	(Via SDR Silec Poland)	CW	E.SMITH	TUE
<p>Monitored for a minute then left frequency. Poor voltage regulation/Chirp.</p> <p><i>[Sample]</i> 111 999 <i>[1120]</i></p> <p> <i>[Revisited at 1519z]</i></p> <p>...09403 = 112 20 0 0 0</p> <p>111 <i>[Unable to read onwards - 1520z]</i></p>							

4602	1120 (IP) - 1445z	16 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	TUE
			851 (x3) 93120 (x2) (Rx5)				
			851 (x3)				
			851 (x3) 92813 (x2) (Rx2)				
			0 4001				
			111 000				
			111 000	[1126z]			
			...				
				[1427z]	[* Keys six dots]		
			475 (x3) 92*				
			851 (x3) 92				
			851				
			851(x2)				
			040 01				
			851 (x3) 333 92593 92593				
			92593 851				
			333 01				
			333 01				
			111 999				
			343 0* 343 20 = 44716 19146 55609 23771 49236 52995 96548 61110 21007 12286				
			57678 81138 70335 85271 19130 45752 24369 82220 82925 69840 = 343 20 0 0 0				
			...				
			455 (x3) 55188				
			455 (x3)				
			333 0 4				
			6				
			333 04				
			4				
			[Test tone]				
4835	1242z (IP)	16 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	TUE
			Both I.D's and groups were repeated an arbitrary number of times with mistakes.				
			32696				
			111 0 0 0	[1243z]			
			...				
				[1351z]			
			969 (Rx) 60439 (Rx) (Rx2)				
			111 999				
			...				
			2 1 6				
			2				
			9 9 9				
			20 = 36042 10113 29595 85524 62096 22412 15300 41104 59310 96216				
			57482 18204 79900 4132x 64402 51735 70772 86929 81852 78233 = 216 20 0 0 0				
4659	1253 (IP) - 1257z	16 Jan	Poor Voltage regulation/Chirp	(Via SDR Silec Poland)	CW	E.SMITH	TUE
			740 (x3) 56956 (x2) (Rx4)				
			11 0 0 0				

4503	1339 (IP) - 1405z	16 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	TUE
<p>Both I.D. and groups were repeated an arbitrary number of times with mistakes</p> <p>952 (Rx) 19494 (Rx) (Rx2)</p> <p>952 (Rx) 19415 (Rx) (Rx5)</p> <p>335</p> <p>...</p> <p>952</p> <p>...</p> <p>952 (Rx) 10254 (Rx) (Rx5)</p> <p>...</p> <p>952 (Rx) 10895 (Rx) (Rx6)</p> <p>...</p> <p>952 (Rx) 10659 (Rx) (Rx3)</p>							
4764	1014 (IP) - 1017z	17 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
<p>...489 23296 32365 78956 39413 92495 13789</p> <p>66213 75009 84841 95927 80175 26262 93101 45896 88426 84976 = 453 20 0 0 0</p> <p><i>[Test tone] [1017z]</i></p>							
3881	1017 (IP) - 1119z	17 Jan	(In progress) Poor Voltage regulation/Chirp	(Via SDR Silec Poland)	CW	E.SMITH	WED
<p>Did not monitor 5929kHz [Parallel Freq used on 16 Jan]</p> <p>695 (x3) 26423 (x2) (Rx8)</p> <p>111 999</p> <p>126 20 = 982x0 55466 64169 13091 94839 13469 14303 02569 91443 67117</p> <p>65480 13667 94511 78931 91130 96123 79103 97407 67483 77461 =126 20 0 0 0 <i>[1023z]</i></p> <p>...</p> <p><i>[1119z - Single key of 168]</i></p>							
4943	1021z (IP)	17 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
<p>Equipment testing, number of operators unknown, some sets with chirp some without.</p> <p>Operators test keying I.D's on and off for over an hour and occasionally overlapping.</p>							
4529	1035 (IP) - 1048z	17/01	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
<p>Below is a good example of 333 being used, which signals an amendment is going to be sent.</p> <p>111 333 14 69723 Fourteenth group resent. Below that the twelfth group – then the whole message</p> <p><i>* Keys six dots.</i></p> <p>79087 77505 1**2360 77939 / 349 20 0 0 0</p> <p>333</p> <p>111 333</p> <p>349 1* 20 / 76223 81160 23184 54192 31986 42048 79288 77393 10851 50016</p> <p>83435 666*5*6 615 96472 46972 3 15127 68227 79087 77505 23607 77939 / 349 20 0 0 0</p> <p>333</p> <p>333</p> <p>111 333 14</p> <p>69723</p> <p>111 333 12</p> <p>66159</p> <p>111 333 349 20 / 76123 81160 23184 231 ** 541 92 31986 41*420 4879288 77393 10851</p> <p>50016 83435 66159 64724 69723 15127 68227 79087 77505 13607 77939 / 349 20 0 0 0</p>							

5955	1042 (IP) - 1124z	17 Jan	(In progress) Poor Voltage regulation/Chirp		(Via SDR Silec Poland)	CW	E.SMITH	WED
			168 (x3) 18005 (x2) (Rx6)					
			168 (x3) 16510 (x2) (Rx9)		[1047z]			
			168 (x3) 16098 (x2) (Rx12)		[1110z]			
			168 (x3) 16593 (x2) (Rx9)					
			168 (x3) 15093 (x2) (Rx7)					
			...					
			168 (x3) 15093 (x2)					
			168 (x3) 15098 333 15093 15093					
			168 (x3) 15093 (x2) (Rx2)					
			168 (x3) 15093 (x2)		[1124z]			
4503	1135 (IP) - 1221z	17 Jan	(In progress)		(Via SDR Silec Poland)	CW	E.SMITH	WED
			952 (x4)					
			333 05					
			111 999					
			366 20 / 78082 80693 98487 19998 91503 80407 34117 18457 82335 78651 70353 289*1840 92736 45553 3851 96570 88 91229 51751 90984 11685 / 366 20 0 0 0					
			111 333					
			366 20 / 78082 80693 98487 19998 91503 80407 341147 18457 82335 78651 70353 28409 27365 55533 85196 57088 91229 51751 90984 11685 / 366 20 0 0 0				[1141z]	
			There then followed a continuous tone lasting 28 minutes. I have heard this on the other transmitting frequencies but do not know its purpose or if it is even the operator.					
					[1214z]			
			952 (x3) 10496 (x2) (Rx2)		[Stops during second repeat]			
			333 03					
			111 333 04					
			111 999					
			749 20 = 92163 58650 22655 68042 5xx52 93467 10663 36629 71476 40646 44410 34063 15614 54500 94324 85785 69522 39547 31049 = 749 20 0 0 0				[1221z]	
4692	1136 z (IP)	17 Jan	(In progress) 623 74911 = 129 20 0 0 0		(Via SDR Silec Poland)	CW	E.SMITH	WED
5347	1141 (IP) - 1144z	17 Jan	(In progress) Poor voltage regulation/Chirp	QSA3	(Via SDR Silec Poland)	CW	E.SMITH	WED
			Unable to read message					
			= 702 10 0 0 0					
			151					
			...					
			111					
5018	1142 (IP) - 1144z	17 Jan	(In progress)		(Via SDR Silec Poland)	CW	E.SMITH	WED
			94135 74804 15189 46106 79841 08470 46131 08674 56298 = 957 10					
			111 999					
4602	1148 (IP) - 1156z	17 Jan	(In progress)		(Via SDR Silec Poland)	CW	E.SMITH	WED
			... 15489 16118 41219 86185 19503 85646 25243 23045 27998 12795 82469 68914 15479 44562 45572 93657 81493 62778 42284 / 468 20 0 0 0					
			[Continuous tone for three and a half minutes]					
5432	1157 (IP) - 1249z	17 Jan	(In progress)		(Via SDR Silec Poland)	CW	E.SMITH	WED
			251/876/470 – Three I.D.'s keying over each other		[1209z]			
			569 (Repeated)		[1245z]			

4598	1254 (IP) - 1406z	17 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
			832 (Repeated) 30937 (Repeated)	[1256z]			
				[1341z]			
			832 (x3) 30395 (x2) (Rx4) [Second repeat is keyed over by another Op. Stops during fifth repeat]				
			832 (x3) 30225 (x2)				
			832 (x3) 30395 (x2) (Rx5) [Stops during sixth repeat]				
			832 (x3) 30478 (x2) (Rx6)				
			111				
			111				
			333 30920 30920 (x12)				
			832 (x2) 32 333 39220 39220				
			832 (x2) 333				
			111				
			333 00				
			111 0 0 0				
4926	1339 (IP) - 1352z	17 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
			Both I.D. and groups were repeated an arbitrary number of times with mistakes.				
			956 (Repeated) 86477 (Repeated)				
			956 (Repeated) 86392 (Repeated)				
			956 (Repeated) 86477 (Repeated)				
			956 (Repeated) 86392 (Repeated)				
			956 (Repeated) 86632 (Repeated)				
			111 999				
			494 20 = 23456 34879 95464 32134 25351 87683 15456 78761 53279 34258				
			14517 52346 63467 67562 45363 45363 56745 78568 36378 26476 = 494 20 0 0 0				
			333				
4699	1029 (IP) - 1032z	18 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
			138 10 0 0 0				
			1x 333				
			111 333 138 10 = 14508 01556 42042 57732 95273 71274 59634 19194 31 [No more activity]				
4598	1029 (IP) - 1251z	18 Jan	(In progress)	(Via SDR Silec Poland)	CW	E.SMITH	WED
			661 (x3) 93594				
			111 999				
			140 10 = 81197 56302 86822 55462 32957 48369 99611 95207 01301 10074 = 140 10 0 0 0 [1033z]				
				[1247z]			
			436 (x3) 39098 (x2) (Rx2) [Stops during third repeat]				
			111 999				
			141 10 = 86789 35015 66169 79713 60648 04238 78852 94504 69734 19453 = 141 10 0 0 0				
4297	1409 (IP) - 1410z	26 Jan	(In progress) Poor Voltage regulation/Chirp	(Via SDR Silec Poland)	CW	E.SMITH	WED
			65 27665 27665 2				
			111 0 0 0				

5523	1012 (IP) - 1031z	12 Feb	(In Progress)		(Via SDR Silec, Poland) CW	E.SMITH	MON
			735 33 111				
			...				
			333 73201 73201 (x2)				
			...				
			333 72831 72831 (x14) 333 721** 72831		[* - 6 dits error]		
			...				
			174 (x3) 72841 (x2) Stops during second repeat				
			111				
			<i>[Exact twenty second pauses between each 333 group]</i>				
			333 00				
			333 01				
			333 02				
			333 04 (x2)				
			333 03 (x3)				
			333 04				
			333 05 (x2)				
			111 73559 73559 (x3) Stops during fourth sending				
			111 0 0 0				
4607	0958 (IP) - 1602z	13 Feb	(In progress)	Poor Voltage regulation/Chirp	(Via SDR Silec, Poland) CW	E.SMITH	TUE
			111				
			...				
			111 999				
			527 10 = 44646 74822 45631 52737 74317 43769 07261 43451 06487 56701 = 527 10 0 0 0				
					[1002z]		
			...		[1047z]		
			293 (x3) 80079 (x2) (Rx5)				
			111				
			...				
			111 999				
			529 10 = 28678 31779 98741 45196 31034 03284 43170 14273 18419 69734 = 529 10 0 0 0				
					[1055z]		
			...		[1259z] Radio Equipment/Chirp fixed		
			293 (x3) 81877 (x2) (Rx2)				
			111				
			333 111				
					[Lost a minute of recording]		
			47990 08555 23866 = 206 10 0 0 0				
					[1253z]		
			...		[1350z]		
			293 (x3) 81857 (x2) Stops during second repeat				
			...				
			333 80957 80957 (x3) Thirty to forty seconds between each sending				
			...				
			333 89568 89568 (x2)				
			...				
			333 89568 89568				
			...				
			333 89568 895				
			111				
			...				

333 0 0
333 0 0
111 999
208 10 = 28443 38665 51428 03923 59218 74311 35961 26466 60802 71169 = 208 10 0 0 0

[1411z]

...

[1458z]

293 (x3) 89598 (x2) Stops during second repeat.

111

...

333 0 0

111 999

210 10 = 24494 15491 32870 86724 89365

111 999

111 999

[1554z]

[Three minutes of recording lost]

[1557z] (IP)

88588

...

293 (x3) 88588 (x2) (Rx6)

[1602z. Stopped monitoring frequency 1635z]

4745 0941 (IP) - 1243z 13 Feb (In progress) (Via SDR Silec, Poland) CW E.SMITH TUE

... 01556 83571 33025 71843 22878 71674 64158
98231 16933 50764 95963 53952 47530 60628 12021 63350 67184 = 311 30

0 0 0

[0944z]

...

[1038z]

459 (x3) 91403 (x2) (Rx2)

111

...

111 999

312 30 = 01256 86822 62478 56430 10125 53885 35076 19840 31202 78852
25745 24597 18841 53928 86617 43043 08455 50788 86340 80430
60475 49858 60648 90399 85754 58885 88976 75078 91683 = 312 30 0 0 0

[1049z]

.. 11

[1114z]

[1144z]

459 (x2) 91321 (x2) (Rx2) Stops during third repeat

45

459 (x3) 91321 (x2)

[1136z]

...

[1143z]

111 999

11

313 30 = 40672 95748 25252 30145 97746 31700 12748 04752 95145 71550
92331 15561 71792 16943 31000 40130 2769 55326 64031 88525
77463 55612 97378 32259 42601 20498 42714 87343 87343 16539 = 313 30 0 0 0

[1147z]

...

[1238z]

459 (x3) 91421 (x2) (Rx2) Stops during third repeat

111

[Lost a minute of recording]

40672 95748 25252 30145 97746 31700 12748 04752 95145 71550
92331 15561 71792 16943 31000 40130 12769 55426 64041 88525
77463 55612 97378 32259 42601 20498 42714 87343 87343 16539
12530 = 0 0 0

[1243z]

4614 0941 (IP) - 0956z 13 Feb (In progress) (Via SDR Silec, Poland) CW E.SMITH TUE
111 0 0 0
...

[0949z]

513 (x3) 65383 (x2) (Rx4)
333 65782 65782 (x8)
333 67062 67062 (x7)
111 0 0 0

[0956z]

4553 1150 (IP) - 1157z 13 Feb (In progress) Poor Voltage regulation/Chirp (Via SDR Silec, Poland) CW E.SMITH TUE
812 (x3) 41878 (x2) (Rx3) Stops during fourth repeat.
040 02
692 (x5)
999
501 20 = 65239 59652 77852 28546 94521 11099 45696 66587 15687 05871
11231 65472 59841 01324 51165 89443 74677 46697 68244 19940 = 501 20 0 0 0

4522 1152 (IP) - 1203z 13 Feb (In progress) (Via SDR Silec, Poland) CW E.SMITH TUE
424 (x3) 84129 (x2) (Rx3) Stops during fourth repeat
040 02
424 (Rx1min)
333 05
333 06
333 07
111 999
372 20 / 62614 75952 10262 62270 91113 98650 67202 90928 90455 42641
45645 12354 46638 87645 41144 79631 51061 62550 58168 16764 / 372 20 0 0 0

4573 1512 (IP) - 1513z 13 Feb (In progress) (Via SDR Silec, Poland) CW E.SMITH TUE
...64 86085 49079 49720 71456 = 211 10 0 0 0
111 333 00 211 10 0 0 0

4417 1542 (IP) - 1544z 13 Feb (In progress) (Via SDR Silec, Poland) CW E.SMITH TUE
... 78031 03211 02312 21591 21591
23874 83491 78321 92345 73458 5 01591 21591 92616 09030 70520 = 420 30 0 0 0

4598 1236 (IP) - 1248z 14 Feb (In progress) (Via SDR Silec, Poland) CW E.SMITH WED
832 (x3) 39935 (x2) (Rx2)
832 (x3) 39635 (x2) (Rx6) Stops during seventh repeat.
111
333 00
030 1*** 020 1 ** 020 0103 [* - 6 dits error]
020 0103
020 0709
333 07 09
333 09
111 999
689 10 = 31024 68740 61874 65349 87405 49806 80748 74098 40653 41894 = 689 10
111 0 0 0

5439 [+/-]	1036 (IP) - 1039z	20 Feb	(In progress)	(Via SDR Silec, Poland) CW	E.SMITH	TUE
			...04582 54042 02299 41976 15086 62276 77724 49388 73711 03519 29197 50107 01414 28166 47420 41671 07020 61246 = 853 34			
			<i>[Digits below were very badly keyed, as opposed to the above]</i>			
			111			
			73711			
			111 0 0 0			
4589	1357 (IP) - 1359z	21 Feb	(In progress)	(Via SDR Silec, Poland) CW	E.SMITH	WED
			333 99669 99669 ...			
			111 0 0 0			
4884	1113 (IP) - 1141z	28 Feb	(In progress)	(Via SDR Silec, Poland) CW	E.SMITH	WED
			84065 13247 70856 41534 62130 58479 = 606 10			
			111 0 0 0			

Part 2 - Scheduled Transmissions

It wasn't until I made a spreadsheet after Christmas of all my M01a logs of 2017/18 was I easily able to see days and times of transmissions, and that they transmit fifty minutes after each other. Then searching every ten minutes on Monday to Saturday from 0500 – 0745 have I found others. It has taken time to discover transmissions, adding new ones as I've found them, and although I do keep a written M01a log including NRH's dating back to the beginning of January, I've only been typing them for the past fortnight, and I apologise for this and all subsequent posted logs will include them. The rule for my logs below prior to the past fortnight is (from the first time I log a freq/time) if it isn't repeated the next week it didn't transmit, unless I've put a note in saying I missed it.

I've never found anything on a Monday or Saturday and rarely search them anymore, however that of course doesn't mean there isn't activity. Sundays I sleep in so I've no idea.

M01a Schedule - as of Wednesday 28 February 2018.

N.B.

Not all days will transmit, and not all times will transmit on given day, however Tuesday is the most consistently regular day for transmitting.

Each transmission is best received in either Western or Eastern Europe. If you look at the schedule, I've given a guide to which Tuner [or a Tuner in that area] will give the best reception - depending on propagation.

Friday transmissions are rare. It repeats Tuesdays times and frequencies, however monitoring them all and searching every Friday I've only ever found traffic on those three times and frequencies as of now.

If a time/freq doesn't transmit, I'll search for another frequency, but I have yet to find any others.

I welcome any input or questions.

- MON:** N.R.H.
- TUE:** 0530z 9411kHz – Moscow/Silec.
0620z 10233kHz – Enschede/Italy.
0630z 9447kHz – Enschede/Italy.
0710z 10651kHz – Enschede/Italy.
0720z 9151kHz – Enschede/Italy.
- WED:** 0530z 9129kHz – Moscow.
0620z 9421kHz – Moscow.
0710z 9175kHz – Enschede/Italy.
- THU:** 0540z 7692kHz – Moscow/Silec.
0630z 8111kHz – Enschede/Italy.
- FRI:** 0620z 10233kHz – Enschede/Italy.
0630z 9447kHz – Enschede/Italy.
0710z 10651kHz – Enschede/Italy.
- SAT:** N.R.H.
- SUN:** ?

Logs:

10233	0619 - 0627z	02 Jan	Test tones/Dots/Dashes prior to transmission 354 (x3) 78505 (x2) (Rx12) Stops during thirteenth repeat. 354 (x3) 79326 (x2) (Rx10) Stops during eleventh repeat. 354 (x3)	(Via SDR Enschede)	CW	E.SMITH	TUE
10651	0710 - 0718z	02 Jan	297 (x3) 38180 (x2) (Rx12) Stops during thirteenth repeat. 297 (x3) 39318 (x2) (Rx8) Stops during ninth repeat.	(Via SDR Enschede)	CW	E.SMITH	TUE
9129	0529 - 0539z	03 Jan	498 (x3) 53173 (x2) (Rx14) 498 (x3) 52482 (x2) (Rx14) Signal fades to QSA1.	(Via SDR Enschede)	CW	E.SMITH	WED
9411	0532 (IP) - 0538z	09 Jan	(In progress) 751 (x3) 96894 (x2) (Rx4) – Stops during fifth repeat. 751 (x3) 97919 (x2) (Rx10)	(Via SDR Enschede)	CW	E.SMITH	TUE
10233	0621 - 0628z	09 Jan	354 (x3) 78505 (x2) (Rx8) 354 (x3) 79326 (x2) (Rx11) 354 (x3)	(Via SDR Enschede)	CW	E.SMITH	TUE
10651	0712 - 0718z	09 Jan	297 (x3) 38180 (x2) (Rx5) Stops during sixth repeat. 297 (x3) 39318 (x2) (Rx9) Stops during tenth repeat.	(Via SDR Enschede)	CW	E.SMITH	TUE
9151	0726z (IP)	09 Jan	46333 46333 7...	(Via SDR Enschede)	CW	E.SMITH	TUE
9421	0620 - 0626z	10 Jan	135 (x3) 60479 (x2) (Rx14) 111 0 0 0	(Via SDR Enschede)	CW	E.SMITH	WED
9175	0710 - 0713z	10 Jan	146 (x3) 45623 (x2) (Rx6) U 1 UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	(Via SDR Enschede)	CW	E.SMITH	WED
9411	0530 - 0542z	16 Jan	QSB4 751 (x3) 96894 (x2) (Rx11) Stops during twelfth repeat. 751 (x3) 97919 (x2) (Rx9) 111 999 00027 00030 27890 40630 41199 65801 45639 96430 77776 91857 91820 90591 84879 76831 80078 66173 88480 68239 33310 51934 23532 51068 37695 87510 54308 65158 57122 39436 28399 07680 63525 58185 00030 00027 00000 = 027 35 0 0 0	(Via SDR Enschede)	CW	E.SMITH	TUE
10233	0619 - 0627z	16 Jan	354 (x3) 78505 (x2) (Rx13) Stops during fourteenth repeat. 354 (x3) 79326 (x2) (Rx11) 354 (x2)	(Via SDR Enschede)	CW	E.SMITH	TUE
9447	0633 - 0642z	16 Jan	QSB4 143 (x3) 81996 (x2) (Rx4) Stops during fifth repeat. 111 999	(Via SDR Enschede)	CW	E.SMITH	TUE

00028 00030 00030 00028 00000 = 028 35 *[Message omitted due to QSB fading]*

0 0 0

10651 0710 - 0721z 16 Jan QSB3 (Via SDR Enschede) CW E.SMITH TUE

297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.

297 (x3) 39318 (x2) (Rx5) Stops during sixth repeat.

111 999

00029 00030 04787 76924 22589 00524 35040 09045 84074 74276 61830
93276 82397 51875 45142 63980 55460 67484 29778 62949 68674 05894
07145 12273 99286 04xx0 99976 58437 84610 14342 65103 02703 00030
00029 00000 = 029 35

0 0 0

9129 0530 - 0553z 17 Jan QSA3 QSB4 (Via SDR Ukraine) CW E.SMITH WED

498 (x3) 53173 (x2) (Repeated)

498 (x3) 52482 (x2) (Repeated)

498 (x3) 51166 (x2) (Repeated)

498 (x3) 53067 (x2) (Repeated)

9421 0620 - 0633z 17 Jan QRM4 B/C (Via SDR Ukraine) CW E.SMITH WED

135 (x3) xxxxx (x2) (Repeated) *[Unable to read five fig groups]*

7692 0543 (IP) - 0637z 18 Jan (In progress) (Via SDR Silec, Poland) CW E.SMITH THU

Spacing was very bad and mistakes were consistent throughout

536 (Repeated) 49869 (Repeated) *[0547z - Signal fades to QSA1 for a few seconds, then out completely]*

8111 0630 - 0637z 18 Jan (Via SDR Silec, Poland) CW E.SMITH THU

902 (x2) 34050 (x2) (Rx9)

902 (x2) 35260 (x2) (Rx9)

9411 0532 - 0537z 23 Jan (In progress) QSB3 (Via SDR Italy) CW E.SMITH TUE

751 (x3) 96894 (x2) (Repeated).

111 999

00030 00030 39070 06784 40191 81491 79x14 42849 39836 05404
84403 80749 83875 44938 x8791 69809 29399 97963 06683 35720
73872 13395 32483 59267 56317 95289 28205 x1002 53623 97514
28282 99919 00030 00030 00000 = 030 35

0 0 0

10233 0620 - 0629z 23 Jan (Via SDR Enschede) CW E.SMITH TUE

354 (x3) 78505 (x2) (Rx13) - Stops during fourteenth repeat.

354 (x3) 79326 (x2) (Rx12) - Stops during thirteenth repeat.

354 (x3) 77629 (x2) (Rx2)

354 (x3)

9447 0629 - 0638z 23 Jan (Via SDR Silec, Poland) CW E.SMITH TUE

143 (x3) 88058 (x2) (Rx8) - Stops during ninth repeat.

143 (x3) 81996 (x2) (Rx3)

111 999

00031 00030 00563 63212 57527 00030 00031 00000 = 031 35

[Message has been omitted as it was unreadable due to another operator keying on the same freq]

0 0 0

10651	0710 - 0718z	23 Jan		(Via SDR Enschede)	CW	E.SMITH	TUE
			297 (x3) 38180 (x2) (Rx10) - Stops during eleventh repeat.				
			297 (x3) 39318 (x2) (Rx9) - Stops during tenth repeat.				
9151	0718 - 0727z	23 Jan		(Via SDR Enschede)	CW	E.SMITH	TUE
			728 (x3) 43504 (x2) (Rx11) - Stops during twelfth repeat.				
			728 (x3) 46444 (x2) (Rx2) - Stops during third repeat.				
			111 999				
			00032 00030 28596 94882 50721 17043 02399 61554 50201 99897 06980 01715 33962 02380 83226 31712 54962 97590 22320 54502 70893 44618 98205 61410 45497 54426 69748 20402 29261 72315 57106 07249 00030 00032 00000 = 032 35				
			0 0 0				
9129	0530 - 0534z	24 Jan		(Via SDR Ukraine)	CW	E.SMITH	WED
			498 (x3) 53173 (x3) (Rx8) – Stop during ninth repeat.				
			111 999 <i>[Monitored until 0539z; No more activity]</i>				
9421	0620 - 0625z	24 Jan	QSB3 QRM3 B/C	(Via SDR Ukraine)	CW	E.SMITH	WED
			135 (x3) 60479 (x3) (Repeated) <i>[NB. Ended with what sounded like equipment failure, a few crackled dots and dashes]</i>				
9175	0710 - 0713z	24 Jan		(Via SDR Silec, Poland)	CW	E.SMITH	WED
			146 (x3) 45623 (x2) (Rx7)				
			111 0 0 0				
8111	0633 - 0635z	25 Jan		(Via SDR Enschede)	CW	E.SMITH	THU
			536 (x3) 32330 (x2) = (Rx5)				
9411	0537z (IP)	30 Jan	(In progress) Late to this transmission	(Via SDR Silec, Poland)	CW	E.SMITH	TUE
			... 69262 55303 16433 66268 20284 42933 89216 48108 71736 09525 36856 41935 21464 22362 35628 42897 54351 09314 85823 47573 03085 84084 00030 00033 00000 = 033 35				
10233	0620 - 0625z	30 Jan		(Via SDR Enschede)	CW	E.SMITH	TUE
			354 (x3) 78505 (x2) (Rx3) Stops during fourth repeat.				
			111 999				
			00034 00030 15745 64561 45951 28519 58391 362xx8 48334 09058 40337 66619 59808 15732 50213 91519 35989 86747 61661 50745 19760 37488 33643 72949 62051 42136 66742 89147 27283 55569 42379 41174 00030 00034 00000 = 034 35				
9447	0630z	30 Jan	<i>[Missed Transmission]</i>			E.SMITH	TUE
10651	0710 - 0717z	30 Jan		(Via SDR Enschede)	CW	E.SMITH	TUE
			297 (x3) 38180 (x2) (Rx5) Stops during sixth repeat.				
			111 999				
			00035 00030 83121 45054 80792 12689 54329 40458 56380 53570 16197 32910 98642 68526 50290 44303 63174 92605 61356 81435 08549 69511 97606 11892 36391 97462 16293 27470 76039 64054 28289 57615 00030 00035 00000 = 035 35				
			0 0 0				
9151	0730z	30 Jan	<i>[Missed Transmission]</i>			E.SMITH	TUE
9129	0530 - 0550z	31 Jan		(Via SDR Silec, Poland)	CW	E.SMITH	WED
			498 (x3) 53173 (x2) (Rx14)				
			498 (x3) 52482 (x2) (Rx14)				
			498 (x3) 51166 (x2) (Rx13)				
			498 (x3) 53067 (x2) (Rx13) Stops during fourteenth repeat.				

9421	0622 (IP) - 0628z	31 Jan	(In progress) Late to transmission 135 (x3) 60479 (x2) (Rx11) 135 (x3) 69788 (x2) (Rx8) Stops during ninth repeat. Ends with J.	QRM3 B/C (Via SDR Moscow)	CW	E.SMITH	WED
9175	0710 0724z	31 Jan		(Via SDR Silec, Poland)	CW	E.SMITH	WED
			146 (x3) 60479 (x2) (Rx19) 146 (x3) 69788 (x2) (Rx13) 146 (x3) 68462 (x2) (Rx6) 333 333				
		01 Feb	NRH			E.SMITH	THU
		02 Feb	NRH			E.sMITH	FRI
9411	0530 - 0538z	06 Feb		(Via SDR Silec, Poland)	CW	E.SMITH	TUE
			751 (x3) 96894 (x2) (Rx4) Stops at the beginning of the fifth repeat. 111 999 30 11681 94833 26277 31309 56613 57469 99257 54340 68606 55915 88179 52710 80928 87213 40232 08899 39876 74067 06718 51803 14537 73854 91498 09437 13487 26828 34489 46523 93633 66209 00030 00036 00000 = 036 35 0 0 0				
10233	0620 - 0628z	06 Feb		(Via SDR Enschede)	CW	E.SMITH	TUE
			354 (x3) 78505 (x2) (Rx7) Stops at the beginning of the eighth repeat. 354 (x3) 79326 (x2) (Rx2) Stops during third repeat. 111 999 00037 00030 03754 49000 55889 46496 16795 75492 01709 16026 37138 27668 28629 41782 91463 59951 70183 12378 32806 86774 16754 22310 78008 61010 14214 81078 79666 09162 13333 31642 67790 39269 00030 00037 00000 = 037 35 0 0 0				
9447	0630z	06 Feb	NRH Enschede/Moscow/Silec.			E.SMITH	TUE
10651	0710 - 0716z	06 Feb		(Via SDR Enschede)	CW	E.SMITH	TUE
			297 (x3) 38180 (x2) (Rx3) Ends with ? 297 (x3) 39318 (x2) (Rx2) 111 999 00038 00030 94173 70569 74238 41175 37569 17879 49666 95663 54999 74083 83259 26826 07585 17296 57246 13213 81606 74367 96646 17338 10536 46980 28109 87333 22188 99734 56630 29639 67807 98721 00030 00038 00000 = 038 35 0 0 0				
9151	0720z	06 Feb	NRH Enschede/Italy/Moscow/Silec.			E.SMITH	TUE
9129	0530 - 0541z	07 Feb		(Via SDR Moscow)	CW	E.SMITH	WED
			498 (x3) 53173 (x2) (Rx16) 498 (x3) 52482 (x2) (Rx7) Stops during eighth repeat. 498 (x3) 51166 (x2) (Rx4) Stops during fifth repeat.				
9421	0620z	07 Feb	NRH Enschede/Italy/Moscow/Silec.			E.SMITH	WED
9175	0711 - 0717z	07 Feb		(Via SDR Enschede)	CW	E.SMITH	WED
			146 (x2) 45623 (x2) 146 (x3) 44932 (x2) (Rx2) 146 (x3) 45623 (x2) (Rx7) 146 (x3) 44932 (x2) (Rx5)				
		08 Feb	NRH			E.SMITH	THU

9411 0530z 09 Feb NRH Enschede/Italy/Moscow/Silec. E.SMITH FRI

Note: 10233kHz I.D. change from 354 to 458

10233 0633 (IP) - 0638z 09 Feb (In progress) (Via SDR Italy) CW E.SMITH FRI
458 (x3) 75955 (x2) (Rx3) Stops during forth repeat.
458 (x3) 76800 (x2) (Rx12) Stops during thirteenth repeat. **Group 75955/76800 last logged by myself on Friday 29/12/17**

Note: 9447kHz I.D. change from 143 to 796

9447 0632 (IP) - 0636z 09 Feb (In progress) Late to transmission (Via SDR Italy) CW E.SMITH FRI
796 (x3) 80882 (x2) (Rx10) Stops during eleventh repeat. **First logging of Group: 80882**
000 000 000

10651 0710z 09 Feb (Via SDR Enschede) CW E.SMITH FRI
Several test tones (dots and dashes) were sent by the Operator prior to the transmission time as is standard, but no traffic was sent.

9151 0730z 09 Feb NRH Enschede/Italy/Moscow/Silec. E.SMITH FRI

9411 0530 - 0539z 13 Feb (Via SDR Moscow) CW E.SMITH TUE
751 (x3) 96894 (x2) (Rx9) Stops during tenth repeat.
751 (x3) 97919 (x2) (Rx2) Stops during third repeat.
111 999
00039 00030 48878 80587 78037 29373 49269 67887 14714 79457
42745 58708 04742 61961 80661 05360 20407 07597 39325 78697
87765 88314 36786 40399 25057 54843 52320 82816 47217 05737
85402 15611 00030 00039 00000 = 039 35
0 0 0

10233 0620 - 0632z 13 Feb (Via SDR Enschede) CW E.SMITH TUE
354 (x3) 78505 (x2) (Rx11) Stops during twelfth repeat.
354 (x3) 79326 (x2) (Rx3) Stops during fourth repeat.
354 (x3) 79326 (x2) (Rx2) Stops during third repeat.
111 999
00040 00030 57442 73978 08331 97673 98757 85058 92557 03290
22985 27584 89376 25242 05580 48587 60178 71829 22079 61685
89039 39787 66083 07681 71370 44202 98324 25515 38256 75544
61719 75515 00030 00040 00000 = 040 35
0 0 0

9447 0630z 13 Feb NRH Enschede/Italy/Moscow/Silec. E.SMITH TUE

10651 0710 - 0715z 13 Feb (Via SDR Enschede) CW E.SMITH TUE
297 (x3) 38180 (x2) (Rx10) Stops during eleventh repeat.
297 (x3) 39318 (x2) (Rx2) Stops during third repeat.

9566 0715z 13 Feb NRH Enschede/Italy/Moscow/Silec. E.SMITH TUE

9151 0717 (IP) - 0723z 13 Feb (In progress) 9151kHz started early (Via SDR Enschede) CW E.SMITH TUE
728 (x2) 43504 (x2) Stops during second repeat.
111 999
00041 00030 21615 58462 57339 62455 82382 75652 90651 12979
32868 72029 52192 38715 02560 79287 32110 91505 47768 91893
41799 78827 75199 30282 73061 85276 73752 64376 24435 58677
84200 39758 00030 00041 00000 = 041 35
0 0 0

9129 0530z 14 Feb NRH Enschede/Italy/Moscow/Silec. E.SMITH WED

9421	0620 - 0628z	14 Feb		QRM2 B/C (Via SDR Moscow)	CW	E.SMITH	WED
			135 (x3) 53173 (x2) (Rx15)				
			135 (x3) 52482 (x2) (Rx8)				
			111 0 0 0				
9175	0709 - 0712z	14 Feb		(Via SDR Enschede)	CW	E.SMITH	WED
			146 (x3) 45623 (x2) (Rx6)				
			111 0 0 0				

Additional Logs:

We also received these M01a logs from Jean-Paul (JPL):

9129	0546 (IP) - 0550z	03 Jan	Machine sent	(Via Remote tuner Russia)	JPL		WED
			(IP) 498 (x3) 53067 (x2)	(0545z Silent 0546z)			
			067 (x3)	(0548z)			
			498 (x3) 5317.	(Cont'd - 0548z) (Silent - 0550z)			
10651	0711 (IP) - 0718z	23 Jan	Machine sent	(Remote tuner New Zealand)	JPL		TUE
			297 (x3) 38180 (x2)	(IP - Cont'd - 0714z)	JPL	TUE	
			297 (x3) 39318 (x2)	(IP - Cont'd - 0715z)			
			297 (x3) 39318 39	(Stopped - 0718z) (Monitored until 0726z)			

M01b

January 2018:

A difficult two months for M01b reception due to poor propagation combined with weak modulation levels from M01b. During February, the carrier could be heard on most frequencies, but no modulation was discernible except on two occasions, both of which were the Thursday, 2040z schedule.

A number of the M01b frequencies suffer from severe STANAG QRM, 2425kHz, 2435kHz, 2485kHz, 2655kHz & 3195kHz. These are believed to be part of the NATO network. Is it coincidence that they have chosen these specific frequencies that have been used by M01b for many years?

2485//3160	2040z	04 Jan	No useful copy	V.weak//Weak	MCW	BR	THU
	2040 - 2058z	11 Jan	'382' 524 33 = 99626 ... 45038 000	Fair//Good	MCW	BR	THU

February 2018:

3160	2040z	08 Feb	'382' Very weak - No useful copy	V.Weak (NRH on 2485kHz)		BR	THU
2485//3160	2040 - 2051z	22 Feb	'382' 362 32 = 74531 ... 21192 000	Fair//Fair	MCW	BR	THU

<p>M01b 2485//3160kHz 2040z 11 Jan 2018</p> <p>382 (R4m) 524 524 33 33 ==</p> <p>99626 66552 72992 24934 23067 82859 07194 65482 90767 56739 67048 27165 12558 49792 66964 40689 76215 68026 65472 58169 64256 48360 50823 04361 16709 75090 19062 73356 59963 12607 84328 94985 45038 ==</p> <p>524 524 33 33 000</p> <p style="text-align: right;"><i>Courtesy BR</i></p>

<p>M01b 2485//3160kHz 2040z 22 Feb 2018</p> <p>382 (R4m) 362 362 32 32 ==</p> <p>74531 92392 71402 06870 41078 64668 14178 56759 12982 07816 09192 30162 59624 65476 14909 73192 06250 55826 51110 73999 61637 12599 56439 33041 29011 57701 64099 97550 90241 92054 58550 21192 ==</p> <p>362 362 32 32 000</p> <p style="text-align: right;"><i>Courtesy BR</i></p>

M08a XVIII ICW / CW, some MCW

Here are our usual top quality report & logs from our Man in America - AnonUS:

The New Year started with M08a still appearing on the usual schedules, a few technical difficulties were noted early in the new year with Windows XP dings being heard on both 03 & 09 January. HM01 was audible in LSB mode in place of Morse on a few occasions, (presumably a mistake or bleed over from another transmitter).

On 14 February at 1400z two of the call-ups began with the same digit (0) which is very unusual, and on 10 February, a Saturday transmission was heard although this was a repeated 12345 67890 which we presume is a test message. There were also a few instances where the Morse kept cutting out every few seconds making it impossible to copy the call-ups.

Following the publishing of the last newsletter where we mentioned that M08a was appearing up to 7 minutes before the top of the hour the clocks were apparently changed on the schedules, although there seems to have been a slight shift in the timing, as when the clocks were apparently right the call-ups would start on the hour, they now start precisely 3 minutes before the top of the hour and as the call-ups last for 3 minutes the first message starts exactly on the hour. Things started to go awry mid-February with very weak signals and very few transmissions heard with most of them being at 1400z

January 2018:

7554	2000z	01 Jan	[50701 63221 76552]	AnonUS	MON	
	2000z	03 Jan	[06671 27311 31642] Call-ups started 2007z, ended at 2041z. Windows ding during call-ups	AnonUS	WED	
	2000z	08 Jan	[42851 53681 66022] Only up 2 minutes early now	AnonUS	MON	
	2000z	09 Jan	[44121 57442 61771]	AnonUS	TUE	
	2000z	12 Jan	[- - - - 11832 24361]	AnonUS	FRI	
	2000z	16 Jan	[60571 72211 84632]	AnonUS	TUE	
	2000z	17 Jan	[- - - - 74102 87431] Up late in progress	AnonUS	WED	
	2000z	18 Jan	[- - - - 27681 32612] Up late in progress	AnonUS	THU	
	2000z	23 Jan	[- - - - 05521 16251]	AnonUS	TUE	
	2000z	25 Jan	[63161 86482 00721]	AnonUS	THU	
	2000z	26 Jan	Intermittent Morse unable to copy. Second call-up contained 430	AnonUS	FRI	
	2000z	30 Jan	Intermittent Morse again only able to copy 38 from 3rd call-up	AnonUS	TUE	
8009	2300z	08 Jan	Hum only at 2302z HM01 audible in the background	AnonUS	MON	
	2300z	15 Jan	Missed call-ups	AnonUS	MON	
	2300z	17 Jan	Missed call-ups	AnonUS	WED	
	2300z	20 Jan	HM01 audible	AnonUS	SAT	
	2300z	24 Jan	[- - - - - - - - - -] Missed call-ups, HM01 also audible	AnonUS	WED	
	2300z	31 Jan	HM01 audible, no Morse	AnonUS	WED	
8096	1400z	03 Jan	[- - - - 62672 75001]	AnonUS	WED	
	1400z	04 Jan	[53651 65082 78311] Call-ups started at 1358z	AnonUS	THU	
	1400z	08 Jan	[- - - - 53351 65672] Up late in progress	AnonUS	MON	
	1400z	09 Jan	[- - - - 57122 61451] Up at 1409 preceded by two windows dings	AnonUS	TUE	
	1400z	10 Jan	[15071 27302 31632]	AnonUS	WED	
	1400z	11 Jan	Came up with two V02a voices audible, one appeared to be repeating 4 & the other had what sounded like 481 and 466 audible possibly HM01 call-ups as tones were heard. Morse came up at 1413z with 12345 67890 repeated.	AnonUS	THU	
	1400z	12 Jan	[24031 37352 41681]	AnonUS	FRI	
	1400z	16 Jan	[20462 41112 54531]	AnonUS	TUE	
	1400z	17 Jan	[- - - - 72171 85401]	AnonUS	WED	
	1400z	18 Jan	[- - - - 06632 10051] Up late in progress	AnonUS	THU	
	1400z	19 Jan	[30322 53651 65171]	AnonUS	FRI	
	1400z	24 Jan	[27381 31612 44041]	AnonUS	WED	
	1400z	25 Jan	[- - - - 62142 75471]	AnonUS	THU	
	1400z	26 Jan	[82221 03851 16382]	AnonUS	FRI	
	1400z	29 Jan	[78382] Up late in progress	AnonUS	MON	
	1400z	30 Jan	[65032 88451 02782] Very weak	AnonUS	TUE	
	1400z	31 Jan	[36252 40581 53812]	AnonUS	WED	
	8135	2300z	09 Jan	[81831 - - - - - - - -]	AnonUS	TUE
		2300z	10 Jan	No Morse, HM01 audible	AnonUS	WED
		2300z	11 Jan	No Morse, HM01 audible in the background	AnonUS	THU
2300z		16 Jan	[48162 63231 84861]	AnonUS	TUE	
2300z		18 Jan	HM01 audible but no Morse	AnonUS	THU	
2300z		19 Jan	[00881 13222 25552] HM01 in the background	AnonUS	FRI	
2300z		23 Jan	[71882 82522 15051]	AnonUS	TUE	
2300z		30 Jan	[41521 52351 65682]	AnonUS	TUE	

February 2018:

7554	2000z	01 Feb	Present but too weak to copy	AnonUS	THU
	2000z	08 Feb	Up late with intermittent Morse	AnonUS	THU
	2000z	10 Feb	[12345 67890] Repeated. Rare Saturday transmission	AnonUS	SAT
	2000z	13 Feb	Too weak to copy	AnonUS	TUE
	2000z	20 Feb	[61622 74052 87371]	AnonUS	TUE
8009	2300z	03 Feb	No Morse but two copies of HM01 running simultaneously	AnonUS	SAT
	2300z	05 Feb	No Morse but two copies of HM01 running simultaneously	AnonUS	MON
8096	1400z	01 Feb	[25552 38882 42311]	AnonUS	THU
	1400z	02 Feb	[20152 33481 46711]	AnonUS	FRI
	1400z	05 Feb	[63242 76571 80002]	AnonUS	MON
	1400z	07 Feb	[66261 70582 82821]	AnonUS	WED
	1400z	09 Feb	[65171 78512 82331]	AnonUS	FRI
	1400z	12 Feb	[04212 25842 38371]	AnonUS	MON
	1400z	13 Feb	[68281 72521 85852]	AnonUS	TUE
	1400z	14 Feb	[75742 08171 03101] Second and third call-ups begin with 0, unusual	AnonUS	WED
	1400z	15 Feb	[41041 54371 67602]	AnonUS	FRI
	1400z	21 Feb	[53611 66042 70462]	AnonUS	WED
	1400z	22 Feb	[27231 31562 44801]	AnonUS	THU
	1400z	23 Feb	[21021 34342 57671]	AnonUS	FRI
	1400z	26 Feb	[01262 14602 26021]	AnonUS	MON
	1400z	27 Feb	[- - - - 86281 00621] Up late, transmitter appeared to fail at 1428z	AnonUS	TUE
1400z	28 Feb	[- - - - 88081 - - - -]	AnonUS	WED	

8135	2300z	09 Feb	[32261 45681 58122]	AnonUS	FRI
	2300z	13 Feb	[33781 46112 50441]	AnonUS	TUE
	2300z	23 Feb	[60752 73281 85512]	AnonUS	FRI
	2300z	27 Feb	[26701 30141 534?2] Very weak	AnonUS	TUE

These logs & transcripts from Ary (AB)

8096	1402z	03 Jan	Started listening at 1350z. A loud, noisy transmitter was audible. At 1402z abruptly M08a came on, already halfway its first message.	CW	(AB-USA)	WED
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WDRTU WIDTT NWNWN RRNGU TIARI AAINU DNNNN GGRIA INDIU TUIIN
TRWAU UTART DNAWN IDDRD RUNG G IWAUD NADTN URWNG RADID UGNIG
UGUNN RDNUR DNDWU RRNWD NTTWT RDTII UUNDT GWADN NWAUI UIUWG
DINNR WRIUI TRGWI UUURN RAATG DWGWT WARWG NGDUG GTANN UIIRW
NDRGD NRGR RGVUT RRWNR IUAAM UIDDU RUUNI DWIWW TIUG NGADR
RDNRD GWUAN GDWGI AWTNU RWNGD GAWIT WNAGW AGTID TTRTU ANGTR
NAAUU GRAAG DDDUT IWING RTRND IANTU + + +

GNRIN GNRIN GNRIN GNRIN GNRIN = = =
AAGWW IGNN D ARITD UNNWT WGWDG GUNIG DGGUT GIHWW DNGNW RUAID
WGTA DWARN WGNTI NANAR RNWTT DGWTT RAIDD WTINA IRTUR AADNG
NDRII AIUTG AWANT TDATN AGWAG INNGG DDNRU UIGND IUTWG UIURD
DNIAD GGNND AWTIA IDRDW NAIGR INAUG NRAAU WUNAR TNUAR TNTAI
UDAGD AUTRT TWNDW RRGWN NRADG UWGIA NRWWU RNNWA TUDDR NRAUG
GWIDT RGNWA WUWRT AANGG AARGI TATIW TTGNI GARTN UATDR IGUAA
GDWND GTNGT IWD AI DGIAU UGIAT RDRUN IGARG DAWTU RANTN DTRWW
NRIIR NWAAD WIGWI WWIDD WTNAT RWURT IANRT RAWRT GWNIN WIURT
UUUGU URGTR TRAUU ADITR RNAWU DTUWU IAWAT TUNAU TRRNG IRIWR
GNIRT DGARN IUTID WUDUN TRTWN WTRDN IITIR WIDAN IDNTI UWRID
RTARU RGGTW TDUNU UGNRU IADNW NDRRI WDWGN TUNTI TWDAU WTDNU
NUNIR ATNAD UIDIG RNIAU NNTUT UAGDU RRUDI RNAWW WTARU WDII
WUNDD WWDTU GDDNG TRWRG IRTWD DRRRU GNRWD INWRT NURIN ARGGI
TUIUI ATITG AIDTA UGDDI ARNIR TGIUR WDRAU GUUWR GRRGT RRUWA
MDDRG IUDGI NTUNA UAADR GIWUI NRAGN NGWND NUDRG WTITD AAUAI + + +

IWTTA IWTTA IWTTA IWTTA IWTTA = = =
ATNWU GRIDU TDUWN DUWTR WIID ADTAD WDWIR DIAUA NNTII TNRAU
UGITU IDIDU NRWTV GNUTR WURNI WADDG UIGDR TNNGD DGGTI RWDRI
WRATU UIWAT WNAAA UNTIT TGWRU RWRNI NDTTU RUUNG TWRGW NGITD
WNTAT NRDNW GRAUT TGRWI IRIUT IDDIA WUWUI RWAUU NWDNA TWWGW
DIDND UWIGR TTIRG ADTGG NRDGR WURRT TNING DRGRW RGNUI DINRT
DWIUW GWANI GDRTU GGDAU UIGIN DTGAI RIDTR WTWAI DDRII GGUGN
URUAT IRAKI ITATA DNDNR IWIGG WGIIA AIAUT GTRN AUGNG GURWI
KRWIT WDRTN RGGAD GGUWN DUDNU IGINR UTNNG GWNNW TDGRA WANDG
DUUDT RRIWW AWDWA IRIWW TDINA GWNGR UUGGI GRDGT ITRNW AGUDW
DWNNU RRAII ANRAG GIRWW DITWG DGTUW WWWGR UAIID DIRNA RIDGD
DTRUT UAGTU ATWWN NNUTA IWUTU IWTAN ARGAN TAIDA DRUTN NRUAD
WDTNN DRDTW NIRNA DRIGN ATIAI NUIRD IUTGR IWGWI WNWWN WUURW
GDATT WTWAR TNIAI UGWDG TIUAD DWDNG GDNUG RRIUW ARNAG RWGID
EWUNI IANGN ANNRW NWRRR URARG WAWGI DTADA RADGW GDGAR DGGDI
GINUG IGGRG UGIGG TTNWG TTUWR NGIRW TGTND NGRRT GDTWG NNAIU + + + SK

8096	1352z	05 Jan	WDRWA RWTGN IGDA A (Repeated x14)	CW	(AB-USA)	FRI
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WDRWA WDRWA WDRWA WDRWA WDRWA = = =
AUIUN AIRDR TAIAD TRNIN RRIUI TTGUU IRDAW INGIU GWGDW RUINN
RUWNT UDG GGN TNRDW ARTIW TUIRU TWTGT RARWD GRWIG NNNAD GGUIG
RGNTG TRGGU IUWNV TRINR ITTNU WWWIT ARDNT TRITT RUIIR IUGIA
NWUUU UGWAA TGGIG RNGTA NTDNR RDGWA IWVGN NNWTV WIIG NATDR
MANUN AIAAR GWIUW UAWAI TRGUW GRANG AGRRU WAGIG ANAIW GDAWD
UIAUR IWIRA UDNGR TAIUD TARRR NUGNG TWDNV DIWTA TTNUU NURDR
KGWIR IAADR DIGTR DIAAR RIRGA IUDGT GWIWU NURNR TRTAD IRUG
IAIDD DGRNN AWARG TGWDN GRUIU RWUUT AGNIG UDDAA NATNR GTUGT
ONITI RTNWG UUTIG GGWGI TIUDT WDAWN WNUUA AUWGR DIAUR AGRAU
MURNW UGWDG ATTWR WAWGW WGRGU TIGDD NDWGN RWNR GIUUU WWUWV
UDATA IRTAA TDUIG UARAG DWRTD UGGUR ATAWA TUTNA WAGGN ANWGT
NDWRW IGNRD WGATU TIAAA ATDUG RURIA NGWTT IIGAN IUTWG NIGRU
DWAIU IADI NTGNN WITIU WIRDW NNNGW IWVGI TUAIT RWNTG RGTIT
URNTN GUUGN DNTWG UUDRU RAUDT WUWRT GTTNN WTAAW URUTU DDDAG
ANWAN NINWA DGGWU DIRTT UGGUI WRTID TNGID TRDDT RIAWD WTAAG + + +

RWTGN RWTGN RWTGN RWTGN RWTGN = = =
UAGNR NNNAU IUIAT TIRDT GUDNI WNWWR GTIRN WIDRR WTIWR WRWAT
VRDUU WADN ADTRA IWAAU WNRAR UWDUN TWIRI AGIUA INDWN WANVI
OGGTI NDIDA DNWWD DGRUI DTIRT DTRRA RUGDD RTDUD GADAN DRATD
MTNGU RUIIG TUUAW TWTIN GWTA AWVWU IDDUU RNUDT UGGGW DGDGA
WAATN UNDUU UGURI RNINT GUTGT TWNTI DWGDN INDWW WRITA UWTTU
GGDII RURGG GWINI WIDNW URNIT UIRAR URDDG UDGNG UAWTG NAWIG
NRDAN WIAID NGDTA TUURT WGITG AGAID GUGNG DAINI WUDWW GDNGT
GDGND IGNTU NGATR GDUAN TDARG NADWG ATDGR UAWGD AIRTA INNIR
AGDIG AIWAT RURRI GUWUR TWGNR GATNW GRUTI NRDDT TUAGN RTINU
DUATI GGRWT RUDDD TIGRN RIAGA GANNU RUDDA UGWTG RNTND GWUIT
ADWIN TIRGT TANAN TIGUA GWAAG UAADA DRIUW TIUNG WTANR AIGIA
GGINN DITDG GNIWN AANTW ATURD RRNRI RAGUI TUNTW TDHIG TUGDI
GARTU NARUW IDRRR INWNG WTTAN DGRWN NATTW NWGGI TDIWU DNTWT
RGGRT NUUWT TWNUU UNIWW UWINW ATGDT UDRNR WUIIA UIGDT RAWAU
TRGVI IGDWT RURDD RTTUU RNAGD TUIA IURGU IAGIT INUIA NUURW + + +

IGDAA IGDAA IGDAA IGDAA IGDAA = = =
AWTAA UWNDT WTUUR RWGID TITIU RDUUA IITAR IWND D NWDGT NWNAN
UURGR WNING TRINN DUTWG UDRNI IDWDA WWDUI WINAW WATWN IARDN

NUWIU IRTUR TNNUU DRADT AWATW GDIDI ITIGD TTAIG AGDTG WNAAN
WAAIA WRGAN URRUI WGUDW IDTRI ATARR AWRRT UNDAI ADNDR RNUUI
NGUTW GRDUW TAANU TTDRW WNWNN DRAUD DDRDD DANGD DTTUW TUUAW
TUDRW DRWGR GWDWU DGIRW TRWWA NNRRA WUNGG TIUAN INWAA NWGGA
DADDT AIDRA UNRTG UNARN IUAR RGRID RNRAT RWRDA NNADG UTWNA
DWWGR IGUIU WNRIU IRGNI DIUGN RRUGW ITRTT TUATD NNIGN GAIRD
NNIAU NWUUA WAUNN WGUNN DTGRN RGRIR DNIWD AARNT GITAW DTIU
AUUUW NIURA WDNGU TGGDR NGIDU AUIAR TAUNN IUWUW TRURN UDAIT
DAAUR TRANU NGNUD RGNWN DRTRN RNWNT TNGUD GWDRN RARUR DGRGT
RAUGG UNWUD RRIUI GGIUU DDWGU TDWAI NGARA UIIAI DNDAA AUDRW
AWWGA TNRWG ARANT RWURD GIDUI DGIWA TWIRT AGRRT URRNG ANGAG
WWDW RATAT IWANR IUNG D RNRWG WRAAI UWURW GWAAI INRAG NGURG
WRD TD GWDWR ADIUN RTRAN INWUI UGIII NGIUA UAGWA GITNT IINWR +++ SK

8096 1408z 09 Jan Our Cuban friends messed up again. Transmitter switched on at 1408z CW (AB-USB) TUE
Windows sounds and at 1409z a message that was already in progress.

... GG WGDRG
TNIDU ARNIU WNWUW RGATW WDURW WATUR AAUNI TRRDD GDGNG GNNIR +++

WIANN WIANN WIANN WIANN WIANN ===
TDRGR WUAGT DTRRA RAIIG DAITD UAWGA WDU TD ANGUD DRGID GGUIG
DNAII WNRUN RTNUI NNIWN IWAAR RIAUA RNDUW RIRII TTURR TUGAT
IWIGD DTUDI TTUDI TTITN IADAN ATIWR RRRWW RNRTD DNTDN WRRNR
DWDWW IARWI TAGNW NRRNI ANATN AAAWU UIGUA TDRAU NIRWG AAUGN
DRGRT IGWTA WDUWT NRTAU UAAII AGNRU NAWRN NDTRR UADIR RTWTN
IAAII UWINN ANIUD DWRWU WDITR ARGRA DINGD ADDNU NWWAT GARNA
GTARA NAUGI NNATU GNITU DRTDT DIWTA ARGWT WUAGN NDDAN WWGTU
RNWTT DGUUT GARIG TUIDR TAGDI ARRAR RRDNT IATIR RDURA GDUTA
NAIAT ANTRU DTWUW TGAUR DRWGN TAART RUNTU TINAD GIAAI RDAGT
DADTD WAGNN UGGDU AWNAD GGAWI URDGT RATGN WNIUN URTND RUGGN
WDG NU NIWUU TTRNT UGIAU RAUWT WAIGW NWGIN GIWWN NNIUI RGINI
GRU DR IGNGW INUAR ITDAD IUUGR RAIUW GDDDG IAAAI WNDTR NIAAA
TTDDD RUGAR RNIRN WNWDW NIUWD UARIT WUTDT NNGWU DNWTD WGGAU
RDG GN IANNU IDTTW ANGDN WGDGN UTUTU ANGGW GTDNG DITRT RUIT
ATUII UADGD RGUAI GTWNW WUDGR GNNUA UWITI IRTRI WIDAW IDNWG +++

RAUWA RAUWA RAUWA RAUWA RAUWA ===
UWNTW UIIIT AWGUU TTDWA WAHIG IIAAR IRDWT DADDI DTGTR RIINI
TUWUU DIIDN RRDGW WNGWI TWGAT WTTGU UGUAI DRNRN DITNW NGRUT
AIGGD IWAID IUWAR IWWGN GNWDI NDNUI ITIGN NUWGW GNDAI TGDWG
ANNU UNNUA GADDD AUUGD GGRGT ARAWU WRNRA IIRRI GIWRA GAWGI
WIWWW RGAWU ITIUN GGUWW GDGAA GAARR DDTRW RDUWD AUIUN ANUUR
DWRTR NITTT INDID GGWTA RIWNU WITID TDATN IIDDW RGWUA INWGA
AUTAI URRAR NUDNT DGRIA TIWDA GDTUI DIGGD IGWDW TTDAT AGGWA
DNRRA GNDRR TWNNU RIIGD TURNW IRTIG AIDIU DGTII TURAN IAWT
GNDAT INTGG ARIGI RUTGT IGANU TATDN TIGAR UTITI DGINT RIDIA
UDWUU ATDDD WUUA IUNGN DARAT IARD UIUNT UGGWR WTWTW IWDIU
RIDNW GUDGG IURIT TIDAR IWIUD TNWDW GWINR WIUAA GIUU DIIAA
WRIRW GWGAN RRIUR GIGGD WGTNU ITDWG RRGRU WRWIW DGRRD RNART
RTDIU UUUWU GNGUG AGNWU TNANU GDGTG GTGGG WTRIU NNNAG URAGD
RGDDI DDRWU GUIAN IRADI INAWA DGWNR WGNTU DRDDU UNGAN GWUIN
IWUGR RRTUN INTGW WGIDT TUUNW GITRW WIUWU DGNAG NNRNA UIIAN +++ SK

8096 1355z 10 Jan AWTIA NIDTN DARDN CW (AB-USA) WED

AWTIA AWTIA AWTIA AWTIA AWTIA ===
DTAND DUTAI AUGUN GAGR G IAGTG WRWIA TDUNA GNTGW TTDNU RNWGU
AITGT GRRID AIDRU TANUW ARATA GUUNT WURAR GNRDD NUDNI WGIWA
GRNIT DUIAD RIGUG ARRGT UTDGN TGURW INRII DDGNN UUA TG UDNIR
DTANU GRUIR UTGUT DIDWW DWUTW UTGUU NTTII GNDGT UGNAU UWDDG
DNGTR GIRDN WNRIR IGRAN UWDTW RUGNG RAUUA IUIGG WAGDW GTWGD
RUAAU DWTIN TRTWD DTTTN AAWIU NNAAG TTITR DGIGT GNWDA IITGI
UIITA DNRIG IGIUG RIIN WTUND DDRUU TNWUU IDANI IRWRW GGNRG
UTNNT ITAIU AAWNR URWGN TDAUR IGUIU DGNUA NTRRU AADDN GIRDA
IUDUI WWRDU NTIIG NIAIA TRWUT RTTRR NGITI IARGD ATNUW UATUI
RWGNH IIDR DAUAA URDIW WRTRT UGRIT IWITD GWDDD GUTDN WDWUW
RUNTD GDRAI IAANA URGGG RAGNA UTGGT DUGAN WINUD GDUNT UUDUG
NGDIG RRWNT DUNUG UWDID INAU A WGNUI DUIGD UGRUW TRTGU DNUGI
TIAWA ATNDD IDUIT DUADR GTIGW DWWTT NNGUT ITNGT RGRN WUUI
INWUN NURRR DIWIN NTAGD DDIGI RTUGT AWWTD DDIDA AARNU GUAAG
DTDUI UWAGW AUWIT WNRND WGRUI RTNDG GDTRG NRIIT IWTDW RAARU +++

NIDTN NIDTN NIDTN NIDTN NIDTN ===
GDURA GAWAG TDDWN ANGAW NGIDR WTUTI GAUAT INRUR IURNI IRUWD
DIADT GNGGW IATGG NUWTT DANND GWRTR RWUDN WNGAU WDRRT NAWAI
RADNW NWAII UDIDR DWIWW NGDNI INGRU GADDI IUDTR GRTIA NIUN
WADTH TTUTI UTANN DTRRR UIGUI GATDN RUATU UUGNR WGWUT WDDGI
TIIAT NUNUA WUWUU RTAGW DGINN ITURD DARRT IARIA TRGNT NGGDR
GITRU NGWUN DTGAT UTTWN AAITW RTNDN NTDAN AANNR GATTD TWUGW
TDRGN AWUDA ATUIT NUTNR ARIAG UWUGI GUWTR WWUTW TIWTA GGDUA
NIUWT TWRNG NUDNA TGGRA TDIUU IRATT GIGNN ITGNN TUUWD UUGNN
NRTIU UADDU UANUU ANDTD RIIRT NDDDT NRWAN RWRTU AWDTT GUAAT
UTRRN TUWTI RUDII GDGAA RWRUA UIGUW AWIDN NIURR RIGNR AWDUN
DGWRN GAWTT TRAGR IDGRW DIATG IDDDI WNNWT WTTRI GUDNR GUWNI
NWITT UNRDD NUTNT TIWRU NGGDD IGNTT WTNUU WNDTT DAATG IDATU
IUWUN DTAIA UAITW RRRUU GRHIR WRAUD NADIA GNNAN TTDRU DWUDU
RINUN RTAIV DIUTA ANTNU IWAAR WNAAG IATI DWTWR INDDU
RADDI UTTIW ARNNR AAGUI WDNWA UWDWR RIUDA GTGAA NATWT RRADR +++

DARDN DARDN DARDN DARDN DARDN ===
RAIGD TRIGN RAGAG IUGAG NNRAA RGINW DADRI GITRD UAATI DRNTI
AIAII DGAIT ARRDU RUAAG TGNRG ADURG DAIAW INAWA WUTWW AANGA

RRNWI WNUGD TRRDA IRNUA RRNRW WWTNT RTAAT RAWNI IADRNGUWG
 GGUGR WTTA DUTUW DDIAU NDDWA NWNNI UIUWG TAGUU ADUDW RWGUA
 DWUTI WUDTU IAAUN RURNW TRWGW IWWGG IGIDN AUWWT UGGNU GRTNW
 DUIUN INGRR TRAGN NRTAI TRWWA WAWDU AWRNR INAAA AINAW GTTAT
 RUUAU NIDIU ARWIN DAWGD ANRRT GDWNI TARRA UNDRT GGNNI RARTG
 AATGR UDWTN UWWNT RAAAA GGGWA NNIAT AWRRT NIGWW UTATA TIWNG
 WUUIA GWAUR DRUDI NNNNA UWWDU UTIGN ARTGU GWWDW WWITW GGIAI
 TDTIG RIIRW TGTAN RIDDR GITDI RRNTN NTNIG GTAIT UGIDN ITGIW
 UGWGA WDNTI IATNG WIGIG RUIGT WUGDA NWIDN IGRWD NNRGD ADDNU
 DWADA UGDUR NGWAT WGWTU IRWNA TINDD WRNNA DIWGW WTANW URDID
 WIANU NTURR DDNIG AWDDD AGAIN TIDDD WTDTR ITIDD GUNIU IUGD
 AAIAG RARTN WUTRT DGDUN RUNAD UATAN AURTI GRTWD RNUIN UWWIT
 DANNA TIGUU NITAW DDGTA AARRN URAIA RTTRA DNAGD NNIGG ANIIW + + + SK

8097	1413z	11 Jan	Windows sound at 1413z, followed by a M08a test transmission sending ANDUW RIGMT for 34 minutes. HM01 still weak in the background for a while. Transmitter off at 1449 UTC	CW/LSB	(AB-USA)	THU
8096	1356z	15 Jan	Noisy transmitter on at 1356 UTC. Windows sound at 1416 UTC, followed by a M08a test transmission sending ANDUW RIGMT for 41 minutes. At 1558 UTC Windows sounds after which M08a stops. Transmitter off at 1600 UTC	CW	(AB-USA)	MON

(Thanks Ary!)

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

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

New Year Holiday

As usual, M12 took an extended New Year break with only a minimum of schedules in use all of which were null message transmissions. The 'core' IDs of 124, 257 or 463 were missing, as noted in previous years. The full M12 schedule returned on Wed 10 January.

January 2018: New scheds in bold type

5361/4461/4061	2200z	03 Jan	340 000			Gert	WED
	2200/20/40z	10 Jan	340 1 (1128 147) 64880 95520....			BR	WED
	2200/20/40z	17 Jan	340 000			BR	WED
	2200/20/40z	24 Jan	340 1 (2009 129) 22901 51718....			BR	WED
	2200/20/40z	31 Jan	340 000			BR	WED
5838/7438/9238	0600/20/40z	13 Jan	842 1			HFD	SAT
	0600/20/40z	27 Jan	842 1 (2009 129) 22901 51718....			BR	SAT
5764	2110z	03 Jan	875 000			HFD	WED
6864/5764/---	2050z	05 Jan	875 000			Gert	FRI
	2050/2110/2130z	10 Jan	875 000			HFD	WED
	2050/2110/2130z	12 Jan	875 000			Gert	FRI
	2050/2110/2130z	17 Jan	875 000			BR	WED
	2050/2110/2130z	24 Jan	875 000			BR	WED
	2050/2110/2130z	31 Jan	875 000			BR	WED
7692//6792/5892	1310/30/50z	04 Jan	678 000			Gert/HFD	THU
	1310/30/50z	11 Jan	678 1 (8263 81) 79938 ... 38970	With errors	[Note 1]	Gert	THU
	1310/30/50z	13 Jan	678 1 (8263 81) 79938 ... 38970			Gert	SAT
	1310/30/50z	18 Jan	678 000			BR	THU
	1310/30/50z	27 Jan	678 1 (233 125) 08258 75474....			BR	SAT
8047/6802/5788	1900/20/40z	10 Jan	463 1 (5470 143) 99128 73842....			BR	WED
	1900/20/40z	17 Jan	463 1 (5969 143) 60811 55072....			BR	WED
	1900/20/40z	24 Jan	463 1 (7474 147) 70679 07548....			BR/HFD	WED
	1900/20/40z	31 Jan	463 1 (8328 141) 64541 48033....			BR	WED
9176/7931/6904	1800/20/40z	10 Jan	257 1 (7855 145) 00696 39243....			BR	WED
	1900/20/40z	11 Jan	257 1 (9940 122) 76410 18350....	(9176kHz NRH)		BR	THU
	1800/20/40z	17 Jan	257 1 (2787 134) 69444 80411....			BR/HFD	WED
	1800/20/40z	24 Jan	257 1 (5282 146) 62298 02629....			BR	WED
	1800/20/40z	31 Jan	257 1 (2403 149) 00031 75179....			BR	WED
10343/9264/8116	1900/20/40z	18 Jan	124 1 (7206 116) 14810 59300....			BR	THU
	2000/20/40z	22 Jan	124 1 (7615 108) 12136 81710....			BR	MON
	1900/20/40z	25 Jan	124 1 (6580 122) 99375 99884....	(10343kHz & 9264kHz NRH)		BR	THU
10547/9047/7547	1400/20/40z	01 Jan	505 000			BR	MON
	1400/20/40z	03 Jan	505 000			Gert	WED
	1400/20/40z	08 Jan	505 000			BR	MON
	1400/20/40z	10 Jan	505 000			BR	WED
	1440z	15 Jan	505 1 (8424 69) 22691 16940 ... 95505 44220 000 000			Gert	MON
	1400/20/40z	17 Jan	505 1 (8424 69) 22691 16940....			BR/HFD	WED
	1400/20/40z	31 Jan	505 000			BR/Gert	WED
11435/10598/9327	1910/30/50z	22 Jan	938 1	(Weak on 11435kHz & 10598kHz)		HFD	MON
13369/14669/----	1010/30/50z	07 Jan	369 000			Gert/HFD	SUN
	1010/30/50z	14 Jan	369 000			Gert	SUN

[Note 1] The 1310z transmission had some difficulties. The signal was rather weak and stopped at 13.15z, just after group 55 (69477). After 20 seconds M12 was back, now much stronger calling 678 678 678 1 repeated 4 times. Then the message restarted from group 48 (95104). *Gert*

February 2018:

5429/4629/4029	2200/20/40z 2200/20/40z 2200/20/40z 2200/20/40z	07 Feb 14 Feb 21 Feb 28 Feb	460 1 (4016 151) 11526 05882.... 460 000 460 1 (6453 99) 72818 98432.... 460 000		BR/HFD BR BR BR	WED WED WED WED
6937/5737/---	2210/30/50z 2210/30/50z 2210/30/50z 2210/30/50z	05 Feb 08 Feb 15 Feb 22 Feb	975 000 975 000 975 000 975 000		BR BR BR BR	MON THU THU THU
6941/5841/---	2050/2110/2130z 2050/2110/2130z 2050/2110/2130z 2050/2110/2130z 2050/2110/2130z 2050/2110/2130z 2050/2110/2130z	02 Feb 07 Feb 09 Feb 14 Feb 21 Feb 23 Feb 28 Feb	986 000 986 000 986 000 986 000 986 000 986 000 986 000		HFD BR BR BR BR Gert BR	FRI WED FRI WED WED FRI WED
7637/9137/10237	0600/20/40z	24 Feb	612 1 (6453 99) 72818 98432 ... 14270 80074 000 000		AB	SAT
8047/6802/5788	1900/20/40z 1900/20/40z 1900/20/40z 1900/20/40z	07 Feb 14 Feb 21 Feb 28 Feb	463 1 (7427 144) 05207 37679.... 463 1 (9030 131) 17672 85454.... 463 1 (3969 149) 38281 08447.... 463 1 (4289 130) 92927 33544 ... 20972 59311 000 000		BR BR BR AB/Gert	WED WED WED WED
9060	1247z (IP) 1336 - 1342z	19 Feb 21 Feb	In progress [... 000 000] (QSA4 Via SDR Enschede) 687 1 (9206 5) 03336 73240 06420 43101 15816 000 000		E.SMITH E.SMITH	MON WED
	1212 - 1219z	26 Feb	Two long test tones. No traffic sent		E.SMITH	MON
9162/8062/7462	1310/30/50z 1310/30/50z 1310/30/50z 1310/30/50z 1310/30/50z 1310/30/50z	01 Feb 03 Feb 08 Feb 10 Feb 15 Feb 22 Feb	104 1 (6230 67) 76106 65752 ... 38537 17640 000 000 104 1 (6230 67) 76106 65752.... 104 000 104 000 104 1 (107 75) 71903 80267.... 104 000		HFD/Gert BR BR BR BR Gert	THU SAT THU SAT THU THU
9176/7931/6904	1800/20/40z 1800/20/40z 1800/20/40z 1800/20/40z	07 Feb 14 Feb 21 Feb 28 Feb	257 1 (1470 134) 54242 70987.... 257 1 (3693 148) 91089 69278.... 257 1 (5380 139) 17411 88502 ... 49968 30945 000 000 257 1 (9380 144) 10936 70935 ... 99771 64384 000 000		BR BR Gert AB/Gert	WED WED WED WED
10343/9264/8116 8116	2000/20/40z 1944z	05 Feb 15 Feb	124 1 (probably started at 19.40z) ... 38082 48886 000 000		HFD Gert	MON THU
12194 13407	1210 (IP) - 1213z 1227 (IP) - 1233z	26 Feb 26 Feb	... 59015 27346 91141 94997 000 000 (Via SDR Enschede) ... 95813 77537 91141 94997 000 000 (Via SDR Enschede)		E.SMITH E.SMITH	MON MON
13362/11562/10362	1400/20/40z 1400/20/40z 1400/20/40z 1400/20/40z 1400/20/40z 1400/20/40z 1400/20/40z 1400/20/40z	05 Feb 07 Feb 12 Feb 14 Feb 19 Feb 21 Feb 26 Feb 28 Feb	353 1 (5860 145) 15562 45100 ... 43425 70565 000 000 353 1 (5860 145) 15562 45100.... 353 000 353 000 353 1 (526 107) 93160 01269.... 353 1 (526 107) 93160 01269 ... 09877 74837 000 000 353 000 353 000		HFD/Gert BR Gert BR BR Gert Gert BR/Gert	MON WED MON WED MON WED MON WED
13369/14669/15969	1010/30/50z 1010/30/50z 1010/30/50z 1010/30/50z	01 Feb 18 Feb 22 Feb 25 Feb	369 1 (201 133) 34226 65789 ... 59187 09396 000 000 369 1 (9804 117) 17502 88558 ... 03409 36584 000 000 369 000 369 000		HFD/Gert Gert Gert Gert	THU SUN THU SUN

M12 7547kHz 1440z 15 Jan 2018

505 505 505 1 (R2m) 8424 69 8424 69

22691 16940 73244 21708 94103 50897 85040 34500 14797 36006
65632 81756 30425 01366 12426 89555 70011 05886 20456 21706
23907 52297 91997 12018 43213 16797 51191 72685 44917 99373
84003 46069 44324 13001 90391 34186 30196 74310 71505 18287
93986 31249 06027 20425 26458 55737 88655 71259 18986 00068
16146 53341 54231 25033 92647 36419 27877 47217 13028 26400
39387 08104 76147 13119 06144 54350 39953 95505 44220
000 000

Courtesy Gert

M12 9162/8062/7462kHz 1310/30/50z 01 Feb 2018

104 104 104 1 (R2m) 6230 67 6230 67

76106 65752 56211 82951 61991 59242 42622 64977 45443 63348
06501 43317 29182 22445 32057 67943 45751 22170 47293 79816
76384 28143 22738 27589 07281 42114 96009 59447 96304 77303
58670 76123 64732 23734 31761 84714 16743 81588 98451 88685
22781 49593 03825 59883 08994 02087 82160 35206 13517 79683
75720 67739 28268 63505 49384 37872 97971 25938 31068 73819
00477 46208 23449 60708 90735 38537 17640
000 000

Courtesy Gert

January 2018:

4024	1600z	02 Jan	725 725 725 00000		MCW	AB	TUE
4636	1820z	09 Jan	186 725 25 = 45323			HFD	TUE
5240	2300z	07 Jan	376 3 263 47 == 23415 ... 17652 == 263 47 00000	'04' sent at 2256z	V.strong	PLdn	SUN
	2300z	14 Jan	376 725 25 45323 ... 67812 725 25 00000		V.strong	AB/PLdn	SUN
	2300z	21 Jan	376 37 456 25 34253 ... 73524 456 25 00000	[Note 1]	Strong	AB/PLdn	SUN
	2300z	28 Jan	376 732 32 98878 ... 98890 732 32 00000	[Note 2]	V strong	PLdn	SUN
5825	0000z	01 Jan	376 37 241 40 == 34526 ... 18726 == 241 40 00000	[Note 3]	V.Strong	PLdn	MON
	0000z	08 Jan	376 3 26 263 47 == 23415 ... 17652 == 263 47 00000	[Note 4]	V.strong	PLdn	MON
	0000z	15 Jan	376 725 25 45323 ... 67812 725 25 00000		Strong	AB/PLdn	MON
	0000z	22 Jan	376 37 456 25 34253 ... 73524 456 25 00000		Strong	AB/PLdn	MON
	0000z	29 Jan	376 732 32 98878 ... 98890 732 32 00000		V strong	PLdn	MON
5947	0600z	14 Jan	382 00000			HFD	SUN
6767	0700z	14 Jan	382 00000			HFD	SUN
18041	0500z	15 Jan	952 683 683 50 50 == 22840 33340 ... 88795 91781 == 683 683 50 50 (no nulls)		CW	AB	MON
	0500z	31 Jan	952 348 348 60 60 == 39198 47346 ... 71000 72880 == 348 348 60 60 00000		CW	AB (Via China)	WED

[Note 1] From 2314z to 2315z the following sent: 4995 20195 61998 15585 66582 99404 77345 70334 57165 72015 00 PLdn

[Note 2] At 2316z the following sent: 739 65047 2118P PLdn

[Note 3] On both the 2300z 31 Dec 2017 sending and the repeat on 01 Jan 2018, the errant '3' repeatedly seen at the end of the '376' intro has now become '37' & that == is now included in sending, after some absence. PLdn

[Note 4] Incomplete sending of DK on 5825kHz as 26 263 PLdn

February 2018:

The 2300z Sunday & 0000z Monday schedules disappeared from the known frequencies at the end of January, but thanks to a search by Paul, (PLdn), were rediscovered on their new frequencies on 25 - 26 February.

4025	1600z	06 Feb	725 00000			HFD	TUE
4040	2300z	25 Feb	[In progress] ... 77277 707 23 00000		Fair	PLdn	SUN
			Followed by [in part]: 286 44602 72792 20				
3355	0000 - 0009z	26 Feb	[In progress] .....67 89326 89008 34512 76675		Fair	PLdn	MON
			10101 78934 56564 89043 77277 707 23 00000				
4761	1920z	14 Feb	748 775 32 = 55676		MCW	HFD	WED
	1920z	28 Feb	748 775 775 32 32 55676 43289 ... 57913 66432 775 775 32 32 00000		MCW	AB	WED
5320 +-1	1603z (IP)	07 Feb	725 725 725 00000 [Caught last half minute of Tx]	Strong	MCW	PoSW	WED
5947	0600z	25 Feb	382 382 382 00000		MCW	AB	SUN
	0606z		327 58023 65998 75357 905N [Test]		MCW	AB	SUN
6767	0700z	25 Feb	Carrier until 0707z, then 383 382 then off ...		MCW	AB	SUN
8167	1201 (IP) - 1214z	20 Feb	058 369 52 = 96113 38530 03314 02654 00000 (Via SDR Enschede)		CW	E.SMITH	TUE
17458	0930z	10 Feb	617 839 74 == 60284 83366 ... 71325 32369 == 839 839 74 74 00000		CW	AB	SAT

<p>M14 5240kHz 2300z 14 Jan 18</p> <p>376 (R4m) 725 725 25 25 45323 09898 65423 76878 65543 23443 23121 09087 54237 78452 23541 09099 43265 77177 89982 00709 54543 07089 13265 82836 09901 56732 89346 01070 67812 725 725 25 25 00000</p> <p>M14 5825kHz 0000z 22 Jan 18</p> <p>376 (R4m) 456 456 25 25 34253 75648 07912 73546 25367 93521 64537 34218 93521 09362 92631 47864 35263 81527 93627 08734 26351 53421 04625 99465 74653 53421 84635 03564 73524 456 456 25 25 00000</p> <p style="text-align: right;"><i>Courtesy AB</i></p>
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<p>M14 18041kHz 0500z 31 Jan 18 (Via SDR China)</p> <p>952 (R4m) 348 348 60 60 == =</p> <p>39198 47346 30924 51685 38325 53103 96939 01020 46804 32189 13979 85196 17190 04569 42887 88497 46157 04966 88982 71088 77379 40977 11429 09614 73248 95442 53790 43745 16386 77729 19222 45882 26869 53632 38729 56179 06124 08578 05923 50091 43413 23813 76724 30629 45858 70273 57439 62509 77936 49808 29660 90084 21386 38465 85412 08347 91453 11506 71000 72880</p> <p>== 348 348 60 60 00000</p> <p style="text-align: right;"><i>Courtesy AB</i></p>

M23 O ICW

PoSW sends us a follow-up to the M23 activity he logged during November & December of 2017. It is interesting to note the hourly 'blip' of carrier that is a characteristic of M23, both during pauses in activity & also for some time after the station appears to have ceased.

The M23 CW which had been heard on 5345 kHz at 1630 UTC on many days in November 2017 and into December appeared to cease activity in the second week of that month, it was there on 14-December but could not be found later in the month or in early 2018.

However, the quick burst of carrier a bit before the hour continued to appear on 5345 into January, gradually getting just a little bit earlier, for example heard at 0958:45s on Monday 1-Jan-18, 1058:42s on Tuesday 2-Jan, 1558:30s UTC on Sunday 7-Jan, 1558:23s on Friday 12-Jan.

Monitoring was interrupted at this point due to an attack of some winter bug that was doing the rounds, nothing heard when attention was focused again on 5345kHz a week or more later.

However, on Thursday 1-Feb checking this frequency at around 1550 UTC there was weak 2-way SSB chat in the French language in progress, soon stopped. Probably of no significance, might have been the captains of a couple of fishing boats exercising their right to use their radios on any frequency they please. (PoSW)

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

No Reports

M76 Schedule on 3280kHz (Changes to 3820kHz or 3294kHz over the year). A detailed analysis can be found in ENIGMA Newsletter 93 - May2016.

Difficult to receive with a good signal into the UK most of the time, monitors rely on various SDRs for logs of this station.

No reports

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

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

No reports for a long time on this one. May now have ceased?

Morse Stations - Not Number Related

M51 XIX

3881//6825 Usual unscheduled & random continuous transmissions heard throughout January & February, often ceasing just before, or commencing shortly after the daily M51a transmissions. These seem to be almost continuously transmitted on these two frequencies now.

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

3881//6825

1230 - 1303z	06 Feb	Mardi-Leçon	22-2/1 Codé	22-2/2 Clair,	22-2/3 Codé,	22-2/4 Clair (600 grps/hr)	BR	TUE
1230 - 1306z	07 Feb	Mercredi- Leçon	23-2/1 Codé,	23-2/2 Clair,	23-2/3 Codé,	23-2/4 Clair (720 grps/hr)	BR	WED
1230 - 1300z	08 Feb	NRH - Nothing heard	on either frequency				BR	THU
1230 - 1304z	09 Feb	Vendredi- Leçon	25-2/1 Codé,	25-2/2 Clair,	25-2/3 Codé,	25-2/4 Clair (960 grps/hr)	BR	FRI

M89 O

This is a summary of activity from the M89 stations.

Traffic & Operator Chat from M89

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

3088	4012	5061	5543	6241	7077	8073	9171	10086
3226	4087	5088	5555	6269	7103	8218	9452	
3245	4117	5116	5566	6305	7293	8269	9671	
3270	4165	5120	5591	6538	7441	8344		
3277	4199	5172	5615	6540	7476	8860		
3296	4231	5179	5622	6697	7565			
3331	4243	5210	5625	6814	7975			
3356	4245	5222	5653	6842				
3389	4310	5245	5657	6857				
3564	4336	5276	5744	6971				
3599	4433	5291	5750					
3611	4440	5292	5755					
3614	4477	5294	5835					
3759	4515	5353	5847					
	4610	5365						
	4696	5412						

New Schedules for Jan / Feb 2018:

From logs submitted from JPL & F5JBR

As usual with a new year, M89 has changed a few of their call signs & even more of their frequencies, particularly all of the RIS9 group. In addition, Jean-Paul, (JPL), Suspects the 10253 net has switched Round Slip & frequencies:

4326//4904	New frequencies for this Round Slip	First heard 11 & 12 Jan	V QW2A (x3) DE G5VD (x2)
4852//NRH	New Round Slip & frequency	First heard 01 Jan	V QW2A (x3) DE G5VD (x2)
10689//NRH	New Round Slip & frequency	First heard 01 Jan	V QW2A (x3) DE G5VD (x2)
10589//NRH	Changed Round Slip	First heard 13 Jan	V QW2A (x3) DE G5VD (x2)
5835//10589	New // for this Round Slip	First heard 21 Feb	V QW2A (x3) DE G5VD (x2)
3238//4238// 4880	New frequency for this Round Slip	First heard 09 Jan	V M8JF (x3) DE RIS9 (x2)
3238//4870	New frequency for this Round Slip	First heard 02 Jan	V M8JF (x3) DE RIS9 (x2)
3238//4870//4880	New frequency pairing for this Round Slip	First heard 03 Jan	V M8JF (x3) DE RIS9 (x2)
3238//4870//8157	New frequency pairing for this Round Slip	First heard 06 Jan	V M8JF (x3) DE RIS9 (x2)
4532//4870	New frequency pairing for this Round Slip	First heard 01 Jan	V M8JF (x3) DE RIS9 (x2)
4870//6874//8157	New frequency pairing for this Round Slip	First heard 05 Jan	V M8JF (x3) DE RIS9 (x2)
6874//8157	New frequency pairing for this Round Slip	First heard 04 Jan	V M8JF (x3) DE RIS9 (x2)
8157//8157	New frequency & // for this Round Slip	First heard 03 Jan	V M8JF (x3) DE RIS9 (x2)
4743//9131	New frequency pairing for this Round Slip	First heard 01 Jan	V UISD (x3) DE CBFQ (x2)
4904//NRH	New Round Slip & frequency	First heard 02 Jan	V WE3S (x3) DE CF5T (x2)
10589//NRH	New Round Slip & frequency	First heard 03 Jan	V WE3S (x3) DE CF5T (x2)
4326//NRH	New Round Slip & frequency	First heard 03 Jan	V FT6V (x3) DE SE4R (x2)
5835//NRH	New Round Slip & Frequency	First heard 08 Jan	V FT6V (x3) DE SE4R (x2)
6840// 8360 //10640	New frequency & // for this Round Slip	First heard 07 Jan	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)

Chart of M89 Freq & Call signs heard in Jan / Feb 2018

New Schedules shown in Bold Type

From logs submitted from JPL & F5JBR

<u>Freq in KHz</u>	<u>Call Slip</u>
3238//4870	V M8JF (x3) DE RIS9 (x2)
3238//4870// 4880	V M8JF (x3) DE RIS9 (x2)
3238//4870// 6874	V M8JF (x3) DE RIS9 (x2)
3238//4870//8157	V M8JF (x3) DE RIS9 (x2)
4125//NRH	V UISD (x3) DE CBFQ (x2)
4125//5479	V UISD (x3) DE CBFQ (x2)
4131//NRH	V JKDJ (x3) DE SLBC (x2)
4326//NRH	V FT6V (x3) DE SE4R (x2)
4326//NRH	V QW2A (x3) DE G5VD (x2)
4326//4904	V QW2A (x3) DE G5VD (x2)
4532//NRH	V M8JF (x3) DE RIS9 (x2)
4532//4870	V M8JF (x3) DE RIS9 (x2)
4620//4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
4720//NRH	VVV WNF (x3) DE FXM (x2)
4720//5150	VVV WNF (x3) DE FXM (x2)
4852//NRH	V QW2A (x3) DE G5VD (x2)
4860// 6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ?
4870//NRH	V M8JF (x3) DE RIS9 (x2)
4870// 8157	V M8JF (x3) DE RIS9 (x2)
4870// 6874 //8157	V M8JF (x3) DE RIS9 (x2)

<u>Freq in kHz</u>	<u>Call Slip</u>
4904//NRH	V WE3S (x3) DE CF5T (x2)
4904//NRH	V QW2A (x3) DE G5VD (x2)
5177//NRH	V JKDJ (x3) DE SLBC (x2)
5743//NRH	V UISD (x3) DE CBFQ (x2)
5743// 9131	V UISD (x3) DE CBFQ (x2)
5835//NRH	V FT6V (x3) DE SE4R (x2)
5835//10589	V QW2A (x3) DE G5VD (x2)
6840//NRH	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
6840//10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
6840// 8360 //10640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K
6874//8157	V M8JF (x3) DE RIS9 (x2)
8157//NRH	V M8JF (x3) DE RIS9 (x2)
8350//NRH	V WNF (x3) DE FXM (x2)
9131//NRH	V UISD (x3) DE CBFQ (x2)
10589//NRH	V WE3S (x3) DE CF5T (x2)
10589//NRH	V QW2A (x3) DE G5VD (x2)
10689//NRH	V QW2A (x3) DE G5VD (x2)

Courtesy JPL & F5JBR

M89 6814kHz 0831 - 0842z 04 Jan 2018

V KUCG DE 4WBT

KUCG DE 4WBT K K (IP – Hand sent – 0831z)

KUCG DE 4WBT K K

VVV KUCG DE 4WBT K K (0832z)

QSA 1 QSA 1 QSY NR 5 QSY NR 5 (0833z)

VVV KUCG DE 4WBT K K QSA 1 QSY NR 5 K K QSA 1 QSY QSY NR 5 QSY NR 5 K K (0835z)

VVV KUCG K K (0836z)

QSY III QSA 1 QSA 1 QSA 1 QSY NR 2 QSY NR 2 K K (0837z)

VVV KUCG K K

R R R R R R QSA 2 IEC BT 5654 TEIII R R IEC BT 5654 AR K K (0838z)

R R SVC GA K K

R R SVC NR 037 1630 RMKS 5251 TO 9571 K K (0839z)

R R R R BT BT

UAT 1730 UGT COMM 5251 515 AR BT BT

UAT 1730 UGT COMM 5251 515 AR K K (0840z)

R R U QSL

R R HR NR 407 HR NR NR 407 K K (0841z)

R R SA III R R SK SK (0842z)

M89 5566kHz 1021 - 1029z 16 Jan 2018

VVV ABDE AS AS SK SK VA BT (IP – Hand sent – 1021z)

XNQYA ? AR AR AR AR (1022z)

NR 0021 CK 26 51 0201 1036 RMKS 09502 21 TO 2N01 BT

UNT7 354N A65N 674N U5N6 6AN7 DAT4 (Cont'd – 1024z)

AR (1027z)

BT NR 0021 CK 26 51 0201 1036 RMKS 2001 TO 3M1 BT

UNT7 354 EEEE 44444444 BT BT

UNT7 354N A65N 674N U5N6 6AN7 (Repeats message)

M89 4870//6874//8157kHz 0927z 25 Jan 2018

V M8JF (x3) DE RIS9 (x2)

TO 0013 BT (IP – Machine sent – 0927z)

2046 6832 8476 AR

F NR 04 1727 RMKS 5393 TO 0013 BT

2046 6832 8476 AR

F NR 04 1727 RMKS 5393 TO 0013 BT

2046 6832 8476 AR

F N4 04 1727 RMKS 5393 TO 0013 BT

2046 6832 8476 AR (Return to R/S – 0929z)

Courtesy JPL

M95 O XSV, XSV70, XSV85

First we have some logs, notes & observations from André, (F5JBR) on several networks he has been following;

3029 1015 - 1157z 13 Feb Net Station working outstations - Changing call-signs (Via SDR Japan) CW F5JBR TUE

The NET Station has a QSO with 7 outstations. For each outstation she uses a different call sign. Then when a station does not answer, the NET station uses the call sign "BR7D". After calling outstations YY2R and CBE8, the NET station uses different call signs again.

QSO with 5 outstations in duplex. As stated above, the NET station uses different call signs for each link & the outstation also responds with a different call sign.

3029 YY2R de BR7D K
And 2 appels : CBE8 de BR7D K

[1042z]

3167 (OutStn) HR MSG NR 061 CCK/CK 199 0213 1300 RMKS 1204 TO 1885/1535/2545/2895/11930/1455/2051/1415/1886/2855/1505
= & text (groups 4 figures and letters)

[1055z]

3167 (Outstn) QSL 1855 1855 K
QRU
SK GB

[End of Transmission at 1057z]

[1148z]

9EGI (x3) de BR7D (x2) V

[1151z]

CL CL & QSO with 7 outstations (calling, exchanges QSA, NIL, SK, GB)

Concerning the 3088 kHz network ... I think it's an M95. Network already heard:

3346 1031z 09 Jan DPT5 (x3) of BR7D (x2) V & QSO with 7 outstations in duplex (Via SDR JAPAN) CW F5JBR TUE

Yesterday, 29 Jan, I heard a QSO ... very low on 3088 kHz ... Net station with 7 outstations (the outstations were on 3052 kHz). For me it's the same network as 3132 kHz / 3366 kHz (information below)

3132 1700z 17 Apr 2017 CW (Via SDR JAPAN) CW F5JBR

IEHC (x3) de D2HR (x2) V

1704Z TE2Y QSO with outstations (on 3366 kHz) 5KKN R5JY JKHZ 5RWD 2TEP F2JK JKS1 USI2

1711z HR MSG NR 213/CCK CK 99 63 04 17 0100 RMKS = CQ AR = N35D TA7D 63D7 T75N 3A75 ... / ... AR K

1716z D2HR calling all outstations (To acknowledge receipt of the message) : Y5EK SW4K YLD2 JKY5 6YRT IU5T D5WH JDS5 WPJZ

All outstations Acknowledge receipt of the message (Call sign NET station send is TE2Y) :

W1RX 5KKN R5JY JKHZ 5RWD 2TEP F2JK JKS1 USI2

After the acknowledgment sent by each outstation :exchange " NIL and SK and GB "

1733z [End of transmission]

(Thanks André)

M95 Morse Logs (Bold type indicates new logging)

3051	Call Sign GR7G							
	1330z	01 Feb	2XBX (x3) de GR7G (x2) V QSO with 7 outstations in duplex (calling, exchanges QSA, GB, SK) – QSX on 3154 kHz	(SDR Japan)	CW	F5JBR	THU	
	1030z	02 Feb	2XBX (x3) de GR7G (x2) V QSO with 10 outstations (4PIK – 7JKG – MBJV – NK2D – XY2N – 6JSG – TKW2 – 0KJ1 – SL4V – JPJ6) in duplex (calling, exchanges QSA, GB, SK) – QSX on 3154 kHz	(SDR Japan)	CW	F5JBR	FRI	
3168	Call Sign ET2Q							
	1343z	01 Feb	1PJH de ET2Q K HR MSG NR 112 CK 91 96 0201 2130 RMKS 8919 TO 2949 = A7N7 6TU6 ... / ...	(SDR Japan)	CW	F5JBR	THU	
3286	Call Sign KTSD							
	1747 (IP) - 1816z	07 Jan	VV BHGT DE KTSD BT 305/XZ72Z/0504/75/06/27/X327A/COMM/0034 AR NR 22/CCK CK 28 38 0108 0200 RMKS 0034 TO 59225843555494325200 BT	(Remote tuner China)		JPL	SUN	
						JPL	SUN	
						JPL	SUN	
3307	Call Sign ZFJ4							
	1457z	28 Jan	CAAC de ZFJ4 K HR MSG NR 53/CCK CK 99 69 0128 2250 RMKS 7248 TO 8668 = 5UD3 NAU4 566A 6U73 AU7N DAAN 3T74 5D4U T3UA	(SDR Japan)	CW	F5JBR	SUN	
3642//NRH	Call Sign 3A7D		(Active daily - only first Round Slip only log has been included)					
	1418z	02 Jan	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)		JPL	TUE	
	1534 (IP) - 1535z	31 Jan	NR 559... 3 RMKS 5319 TO 5191 BT CL/0200/ZBT/A979/5191 AR			JPL	WED	
3642//7602	Call Sign 3A7D		(Active daily - only first Round Slip only log has been included)					
	1833z	01 Jan	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner South Korea)		JPL	MON	
	1726 (IP) - 1728z		NR ... CK ... 0130 RMKS 5319 TO 5156 BT CL/.2.0/ZBT/A979/51.6 AR QSL ? HR WK NR 020			JPL	TUE	
3861	1005 - 1024z	21 Jan	CQ de HGAQ HR NR 0467/EX 1805 = BN AR K = = NBM AR and 3 outstations RTBE BCRL DUFE acknowledge the message : QSL 1809	(SDR Japan)		F5JBR	SUN	
4100	1421 (IP) - 1429z	25 Feb	05 05 05 with 4-character coded msgs	(Remote tuner Japan)		JPL	SUN	
4243//NRH	1153 (IP) - 1207z	03 Jan	NR 01 CK 44 49 0103 1647 BT NR 062 CK 29 35 0103 1449 BT NR 06 CK 131 35 0103 1610 BT	(Remote tuner China)		JPL	WED	
						JPL	WED	
	1150 (IP) - 1156z	11 Feb	NR 001 CK 16 35 0211 1630 BT NR 22 CK 157 35 0211 1646 BT	(Remote tuner South Korea)		JPL	SUN	
						JPL	SUN	
4243//9054	Message number differs from current XSV70 and XSV85 message numbers.							
	0940 (IP) - 0945z	01 Jan	Msgs in 3-char code - No headers logged	(Remote tuner Siberia)		JPL	MON	
	1141 (IP) - 1154z	01 Jan	NR 058 CK 21 35 0101 1507 BT NR 068 CK 17 35 0101 1557 BT NR 03 CK 161 35 0101 1630 BT	(Remote tuner South Korea)		JPL	MON	
						JPL	MON	
	2349 (IP) - 2359z	01 Jan	NR 069 CK 13 35 0102 0617 BT NR 059 CK 30 35 0102 0645 BT NR 03 CK 110 35 0102 0710 BT	(Remote tuner South Korea)		JPL	MON	
						JPL	MON	
	0001 (IP) - 0019z	02 Jan	NR 03 CK 110 35 0102 0710 BT	(Remote tuner South Korea)		JPL	TUE	
	0856 (IP) - 0908z	05 Jan	NR 10 CK 146 35 0105 1555 BT	(Remote tuner China)		JPL	FRI	
	1149 (IP) - 1158z	06 Jan	NR 068 CK 22 35 0106 1519 BT NR 083 CK 21 35 0106 1530 BT NR 12 CK 114 35 0106 1600 BT	(Remote tuner China)		JPL	SAT	
						JPL	SAT	
	2348 (IP) - 2353z	08 Jan	NR 11 CK 071 35 0109 0720 BT	(Remote tuner China)		JPL	MON	
	1146 (IP) - 1209z	12 Feb	NR 041 CK 30 35 0212 1510 BT NR 004 CK 20 35 0212 1627 BT NR 24 CK 183 35 0212 1634 BT	(Remote tuner Japan)		JPL	MON	
						JPL	MON	
	1147 (IP) - 1155z	16 Feb	NR 32 CK 140 35 0216 1530 BT	(Remote tuner Hong Kong)		JPL	FRI	
4325	1129 (IP) - 1148z	03 Jan	NR 949/CCK CK 200 75 0103 1931 RMKS 4897 TO 4543 AR K	(Remote tuner China)		JPL	WED	
4243	Call sign XSV85							
	1158 (IP) - 1205z	17 Jan	NR 017 CK 18 35 0117 1544 BT NR 34 CK 108 35 0117 1620 BT	(Remote tuner Japan)		JPL	WED	
						JPL	WED	

4243//9054	Call sign XSV85						
	1156 (IP) - 1157z	13 Feb	NR 26 CK 182 35 0213 1642 BT	(Remote tuner New Zealand)	JPL	TUE	
4364//8073	Call Sign XSV85						
	0002 - 0020z	09 Jan	NR 0044 CK 44 35 0109 0659 BT	(Remote tuner Japan)	JPL	TUE	
	1144 - 1154z	13 Feb	NR 0173 CK 43 35 0213 1622 BT NR 0174 CK 49 35 0213 1626 BT NR 0175 CK 330 35 0213 1629 BT	(Remote tuner New Zealand)	JPL JPL JPL	TUE TUE TUE	
	0011 (IP) - 0020z	15 Feb	NR 0185 CK 98 35 0215 0711 BT	(Remote tuner China)	JPL	THU	
	1138 (IP) - 1156z	16 Feb	NR 0189 CK 180 35 0216 1624 BT NR 32 CK 140 35 0216 1530 BT	(Remote tuner Hong Kong)	JPL JPL	FRI FRI	
5172	Call Sign BR7D						
	0036 - 0058z	02 Jan	V DPT5 (x3) DE BR7D (x2) MSG NR 003/CCK CK 99 6. 0102 0830 RMKS Q CQ AR	(Remote tuner South Korea)	JPL JPL	TUE TUE	
5358	0805 (IP) - 0811z	18 Jan	NR 01/CCK CK 61 69 0118 1530 RMKS 7248 TO 4444 BT	(Remote China)	JPL	THU	
5391	0802z	21 Jan	MSG NR 022//CCK 199 3201211300 RMKS = 5313 TO 5447 /5353/2135/5663/5983/5493/5363/5393/5433/5443 TO 5313	(SDR Japan)	F5JBR	SUN	
5801//NRH	Call sign 3A7D 0219z	(Active daily - only first Round Slip only log has been included) 07 Jan	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	SUN	
5801//10180	Call Sign 3A7D 0557z	(Active daily - only first Round Slip only log has been included) 03 Jan	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	WED	
	0831 - 0834z	08 Jan	NR 132 1630 RMKS 5319 TO 5628 BT CL/1700/ZBT/A979/.28 AR		JPL	MON	
	0729 (IP) - 0731z	13 Jan	NR 223 1530 RMKS 5319 TO 5369 BT CL/1650/ZBT/A979/5369 AR		JPL	SAT	
	0937 (IP) - 0938z	14 Jan	NR 245 1730 RMKS 5319 TO 5644 BT CL/1800/ZBT/A979/5644 AR		JPL	SUN	
	1010 (IP) - 1013z	16 Jan	NR 279 1840 RMKS 5419 TO 5529 BT CL/1900/ZBT/A979/5529 AR		JPL	TUE	
	0659 (IP) - 0703z	23 Jan	NR 090 1500 RMKS 5319 TO 5604 BT CL/1530/ZBT/5319/5604 AR		JPL	TUE	
	0802 (IP) - 0818z	24 Jan	NR 102/CCK CK 99 19 0124 1611 0 EEEEE RMKS 6FS BT (4 th attempt at Msg No.!)		JPL	WED	
	1020 (IP) - 1022z	26 Jan	NR 460 1830 RMKS 5319 TO 5106 BT CL/1900/ZBT/A979/5106 AR		JPL	FRI	
6262	1841z	01 Jan	V B52H (x3) DE NT85 (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	MON	
8073	Usual format is Initial call-up in voice USB, then to digital 4+4 mode LSB, finally, switching to CW CW call-up is V BNGC (x3) DE XSV85 (x2)						
	1157 (IP) - 1206z	11 Feb	NR 0163 CK 40 35 0211 1557 BT	(Remote tuner South Korea)	JPL	SUN	
9191	0906z	01 Jan	V B52H (x3) DE NT85 (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	MON	
10180	Call Sign 3A7D	(Active daily - only first Round Slip only log has been included)					
	0904z	01 Jan	V DKG6 (x3) DE 3A7D (x2) (IP - Cont'd)	(Remote tuner Siberia)	JPL	MON	
	0929 - 0931z	11 Jan	NR 189 1730 RMKS 5319 TO 5699 BT CL/1800/ZBT/A979/5699 AR		JPL	THU	
10412	Call Sign Z7Q						
	0610 - 0617z	03 Jan	NR 6253 CK 200 63 0103 1400 RMKS 1395 TO 1357 K NR 6252/EX 1410 RMKS 1395 TO 1357 K	(Remote China)	JPL JPL	WED W	

M95 10412kHz 0610z 03 Jan 2018
Z7Q (Via SDR tuner China)]
05 05 (IP - Hand sent - Long zero - 0610z)
DE Z7Q K (0611z) (Signal a bit distorted)
QSA 2 K
IEC BT 4549 AR K (0611z) (Normally associated with exercise)
GA K (0612z) (Other station N/H on this frequency)
R K (0613z)
QSL 1410 EEEE QSL 1410 K (0614z)
HR F GA
F NR 6252/EX 1410 RMKS 1395 TO 1357 K
R F BT
C5HU/N3GW AR BT
C5HU/N3GW AR K (0615z)
HR MSG GA KMSG NR 6253 CK 200 63 EEEEE
NR 6253 CK 200 63 0103 1400 RMKS 1395 TO 1357 K (0616z)
MSG IP BT
67TA 5D46 NT7D U6TT A6U7 5ND5 NA6T 4DAU 4N7D 73NA A7ND
(Cont'd - 0617z)
Courtesy JPL

M95 5801//10180kHz 0735z 07 Jan 2018
V DKG6 (x3) DE 3A7D (x2) (Via SDR tuner Siberia)]
VV HR MSG GA (From R/S - Hand sent - 0735z)
NR 029/CCK CK 91 19 0107 1535 RMKS 5319 TO 5369 5317 5164 BT
4UA5 4U5T 6N57 DUNA 65N7 N4N5 A6UN D54A 7T67 DUDA
3U6T 65TD 5T3U 6TT4 6473 UN5A UN3A 3A7A AUD5 6T43
UN7N TND3 57D6 ADNT U736 AT3N D775 ATUD 3AUA UTU3
76UA 6T35 TN7A (Cont'd - 0738z)
AR QSL ? HW WK NR 220 (Return to R/S - 0741z)
M95 5801//10180kHz 0755z 07 Jan 2018
VV HR SVC GA (From R/S - Hand sent - 0755z)
NR 029 1600 RMKS 5319 TO 5177 BT
COMM/1630/XZ978/82/5317/5177 AR
QSL ? HR WK NR 220 (Return to R/S - 0757z)
Courtesy JPL

Marker Beacons (MX MXI)

3168.5	0333z	17 Feb	MX	CW Beacon "L"		BR	SAT
3593.7	0105z	16 Feb	MXI	CW Beacon "D" Sevastopol		BR	FRI
3594	0105z	16 Feb	MXI	CW Beacon "C" Moscow		BR	FRI
3658			MX	CW Beacon "V" Khiva		BR	FRI
5153.7	0110z	16 Feb	MXI	CW Beacon "D" Sevastopol		BR	FRI
5154	0111z	16 Feb	MXI	CW Beacon "C" Moscow		BR	FRI
5154.1	0111z	16 Feb	MXI	CW Beacon "A" Astrakhan		BR	FRI
5156.9	0114z	16 Feb	MX	CW Beacon "L" St Petersburg	(Under XJT)	BR	FRI
5342	1247z	03 Jan	MX	CW Beacon "V"	(Via SDR Silec, Poland)	E.SMITH	TUE
	1353z	08 Jan	MX	CW Beacon "V"	(Via SDR Silec, Poland)	E.SMITH	TUE
	1357z	12 Jan	MX	CW Beacon "V"	(Via SDR Silec, Poland)	E.SMITH	FRI
	0533z	30 Jan	MX	CW Beacon "V"	(Via SDR Moscow)	E.SMITH	TUE
				Ceased activity sometime in early February.			
7508.9	2040z	16 Feb	MXI	CW Beacon "S" Sevromorsk	(new freq)	BR	FRI
7509	2040z	16 Feb	MXI	CW Beacon "C" Moscow		BR	FRI
7509.1	1840z	16 Feb	MXI	CW Beacon "A" Astrakhan		BR	FRI
7611	0530z	08 Jan	MX	CW Beacon "V"	(Via SDR Silec, Poland)	E.SMITH	MON
	0530z	12 Jan	MX	CW Beacon "V"	(Via SDR Silec, Poland)	E.SMITH	FRI
	0443z	30 Jan	MX	CW Beacon "V"	(Via SDR Ukraine)	E.SMITH	TUE
	0530z	06 Feb	MX	CW Beacon "V"	(Via SDR Silec, Poland)	E.SMITH	TUE
	1312z	28 Feb	MX	CW Beacon "V"	(Via SDR Moscow)	E.SMITH	WED
				Still transmitting as of date above.			
8494.7	0337z	17 Feb	MXI	CW "Beacon "D" Sevastopol		BR	SAT
8495.1		16 Feb	MXI	CW Beacon "A" Astrakhan		BR	FRI
10871.7	2001z	18 Feb	MXI	CW Beacon "D" Sevastopol		BR	SUN
10871.9	1346z	27 Feb	MXI	CW Beacon "S" Sevromorsk		BR	TUE
10872	1345z	27 Feb	MXI	CW Beacon "C" Moscow		BR	TUE
10872.1	0126z	16 Feb	MXI	CW Beacon "A" Astrakhan		BR	FRI
13528	1153z	27 Feb	MXI	CW Beacon "C" Moscow		BR	TUE
13528.1	1155z	16 Feb	MXI	CW Beacon "A" Astrakhan		BR	FRI
16331.7	1132z	27 Feb	MXI	CW Beacon "D" Sevastopol		BR	TUE
16332.0	1132z	27 Feb	MXI	CW Beacon "C" Moscow		BR	TUE

Oddities

PoSW sends us this report on two stations heard sending tones - possibly channel markers used to keep the channel clear or to show it is active.

Tone Transmissions:-

The two-tone repeating transmissions which had been heard many times in the last two months of 2017 showed up in the second week of January 2018, but were not on for the long spells of time, often hours, as was the case last year:-

10580	0847z	10 Jan	Two tones with an S9 signal, gone when checked a few minutes later	PoSW	WED
11580	0852z	10 Jan	One MHz up on the previous frequency, over S9, still on at 0915z plain carrier when checked at 0944, went off around 0955z.	PoSW	WED
14470	1101z	10 Jan	S8 to S9, went QRT after 1104z.	PoSW	WED
15530	1107z	10 Jan	Over S9, sounded like the same tones as earlier, went off 1120z.	PoSW	WED
16755	1157z	10 Jan	Very strong, S9+ signal, QRT after 1210z.	PoSW	WED

The one-tone repeating variant heard a couple of days later:-

11530	0836z	12 Jan	Single tone of about two seconds on and one second off, S9+, still on at 0845z, went off around 0848.	PoSW	FRI
12625	0850z	12 Jan	Single tone as earlier, close to some kind of channel marker sending "TAH" in CW followed by bursts of FSK data, tone still on at 0905 and 0930 UTC, gone when checked at 0946z.	PoSW	FRI

[TAH' is the call of Istanbul Radio - Shipping coastal station - Ed]

None of these tone transmissions found later in January or in February.

Contributors:

AB, AnonUS, BR, CB, E.SMITH, F5JBR, Gert, HFD, JPL, PLdn, PoSW

Thank you all for your logs

Voice, Polytone, Tones, Hybrids and FSK

E06

RNGB's Logs

E06 Jan/Feb log:

Mondays

0210z 9349kHz 0310z 13413kHz
22/01 '537' 624 50 15913 65871 38425 81948 38184 46366 14295 74180 75075 14061 41930 72846 44693 12357 26700 81974 98251 27386 72563 04758
20159 97612 43560 53987 83409 13207 49160 49126 29686 70657 62058 56390 62751 12439 32195 45483 25872 65346 14268 61072
58349 67451 13978 32790 14026 62415 72429 72013 83924 51302 624 50 00000

29/01 '537' 981 30 42739 60932 68143 19236 80192 39521 24034 17392 76594 18572 86274 98173 29602 47894 07902 96503 54120 32065 42572 65314
13987 96802 56378 48169 36278 98152 85162 91293 94127 79163 981 30 00000

0210z 10628kHz 0310z 14364kHz
05/02 '537' 246 31 71650 52401 62625 29609 36434 18116 29356 50051 52533 60255 72504 71088 08275 38445 30886 28782 60025 66695 84592 85271
10654 03115 92792 05042 04601 54093 85653 17005 31766 71853 10600 246 31 00000

12/02 '537' 145 32 26879 23531 32881 74890 52246 11144 48237 91538 49230 07648 10793 55306 1962741 13640 43732 74200 14645 81047 43775
54734 22845 33150 09705 04103 93235 63414 36674 30544 11916 50605 32377 145 32 00000 ??? Whole message very weak

Thursdays

0300z 14923kHz 0400z 12218kHz
25/01 '361' 204 37 15489 62404 57407 30952 98374 94269 94056 51494 40998 74040 61616 10074 24019 70905 10499 560-81 56080 11549 66481 55199
24558 02653 86978 89496 89769 70689 03736 89646 39830 04929 81635 47718 48330 14613 48308 83960 02043 204 37 00000

First/Third Thursday (repeats Friday)

0600z 13945Hz 0700z 16350kHz
04/01 '139' 860 52 57169 92190 54426 12308 15525 27152 20424 74715 71986 43195 27441 34334 45363 49686 73842 15671 96644 18828 31952 11867
24132 80092 13944 82887 98126 12398 26496 97551 14852 32483 06407 80355 74304 02913 54355 49015 11721 08137 08985 53669
37337 72072 28522 53679 64146 15610 72086 92963 28323 77510 97907 59809 860 52 00000

18/01 '139' 427 56 06163 68674 20580 30172 18499 83647 40412 84057 49954 85565 58270 39979 89177 12092 04573 47952 51862 42255 52272 36772
77176 22848 65087 48844 71164 29185 20061 46696 08060 15417 77862 58259 25445 34079 99284 53108 74196 29566 31377 66844
09150 35220 11631 15811 31434 28724 63681 69328 18391 25473 82943 71638 02038 14633 35630 83762 427 56 00000

0600z 17470kHz 0700z 20085kHz
01/02 '702' 346 51 32630 72910 08338 49685 72895 72662 23752 32579 29178 27354 83415 61059 17998 81567 95187 74113 07650 18842 62082 88447
64852 63663 36000 85897 85478 03872 73503 11080 76559 69418 73341 77725 81738 28400 00389 07159 67374 86322 25705 47332
11480 99521 37394 45862 62668 38684 01947 75517 61319 63399 80767 346 51 00000

First/Third Thursday of month

2030z 4836kHz (frequency may vary slightly)
04/01 '321' 00000
18/01 '321' 149 52 12265.....95732] 2042z Malc
01/02 '321' x 3 00000 2033z Malc
15/02 No voice TX strange clicking noise. Ended 2042z Windows Shutdown Sound 2043z loud noise until TX stopped at 2045z

Friday following First & Third Thursday

2130z 4760kHz
05/01 '472' 183 77 73413.....27491 183 77 00000] 2146z S9 Malc
19/01 '472' 289 54 12345 89657 45632 75684 95463 84567 06854 84657 91745 19567 85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353 91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471 67578 64618 84021 72492 289 54 00000

Other transmissions:

17/01 **10755kHz** at 1300z with 2 messages.
Usual transmission breaks and hiccups etc.

'975' 683 25 53683 99885 39398 76352 61465 34360 88628 99685 32300 00687 87581 63768 62866 2215127422 72345 86509 13601 97987 27611 54218
05041 99674 58376 19206 683 25 975 975 repeated - then
1313z '975' 410 27 53927 91640 99880 30216 06212 (break) 975 975....96292 27336 54271 14455 52482 01140 26906 42468 50649 51923 27738 17035
54709 24342 30407 33179 48932 60524 24450 07995 40834 83277 25038 410 27 00000

Note group 5 in 2nd message sent as 06212 then after breakdown resent as 96292
Maybe all the transmission problems are simulated to see how they're resolved?

E07

PoSW log and analysis followed by others' logs:

Sunday + Wednesday Schedule, 1800 UTC Start:-

3-Jan-18, Wednesday:- 1800 UTC, 8194 kHz, low audio, difficult copy, could just about make out the "000" of a "no message" transmission.
1820 UTC, 6794 kHz, better audio, "172 172 172 000".

10-Jan-18, Wednesday:- 1820 UTC, 6794 kHz, second sending, "172 172 172 000", audio low but readable.

14-Jan-18, Sunday:- 1800 UTC, 8194 kHz, and 1820 UTC, 6794 kHz, both around S9 with low audio, "172 172 172 000".

28-Jan-18, Sunday:- 1800 UTC, 8194 kHz, "172 172 172 1" for a "full message", DK/GC "731 106" x 2, low audio, just about readable.
1820 UTC, 6794 kHz, second sending, audio low, difficult copy.
1840 UTC, 5294 kHz, over S9, audio low.

4-Feb-18, Sunday:- 1800 UTC, 10219 kHz, weak signal, very low audio, unreadable, carrier did not go off after two and a half minutes which suggests a "full message" transmission.

1820 UTC, 9119 kHz, second sending, low audio again, could just make out the "215 215 215 1" preamble.

1840 UTC, 7519 kHz, weak signal, low audio, unreadable; we must hope that "agent 215" was better placed to receive his latest orders.

7-Feb-18, Wednesday:- 1800 UTC 10219 and 1820 UTC 9119 both weak with low audio, unreadable. Better luck with the third sending:-
1840 UTC, 7519 kHz, "215 215 215 1", DK/GC "338 139", S9 with deep QSB, audio low but readable.

18-Feb-18, Sunday:- 1800 UTC, 10219 kHz, weak signal, low audio, unreadable, carrier did not go off around 1802:30s UTC which suggests a "full message" transmission.

1820 UTC, 9119 kHz, also unreadable.

1840 UTC, 7519 kHz, very low audio, could just about determine the E07 OM voice but that was about all.

21-Feb-18, Wednesday:- 1840 UTC, 7519 kHz, third sending, "215 215 215 1", DK/GC "137 75", over S9, audio low but readable.

Thursday Schedule, 2110 UTC Start:-

4-Jan-18:- 2110 UTC, 6777 kHz, "744 744 744 000", S9 with QSB, low audio.
2130 UTC, 5449 kHz, second sending, audio very low.

11-Jan-18:- 2130 UTC, 5449 kHz, "744 744 744 000", low audio.

8-Feb-18:- 2110 UTC, 6777 kHz, and 2130 UTC, 5449 kHz, both with low audio, "744 744 744 000".

22-Feb-18:- 2110 UTC, 6777 kHz, "744 744 744 000", audio low but readable.
2130 UTC, 5449 kHz, better audio.

Monday + Wednesday SSB Schedule, 2000 UTC Start:-

1-Jan-18, Monday:- 2000 UTC, 6776 kHz, "770 770 770 000", peaking around S8.
2020 UTC, 5767 kHz, second sending, slightly weaker signal.

3-Jan-18, Wednesday:- 2000 UTC, 6776 kHz, "770 770 770 000", S4 to S5 at best.
2020 UTC, 5767 kHz, S7.

10-Jan-18, Wednesday:- 2000 UTC, 6776 kHz, "770 770 770 000", peaking S9.
2020 UTC, 5767 kHz, slightly weaker.

15-Jan-18, Monday:- 2000 UTC, 6776 kHz, "770 770 770 1" for a "full message", DK/GC "116 92" x 2, strength S7 to S8.
2020 UTC, 5767 kHz, slightly weaker signal.
2040 UTC, 5067 kHz, third sending, over an indicated S9 at times.

22-Jan-18, Monday:- 2000 UTC, 6776 kHz, "770 770 770 000", S8.
2020 UTC, 5767 kHz, also S8.

29-Jan-18, Monday:- 2000 UTC, 6776 kHz, and 2020 UTC, 5767 kHz, "770 770 770 000".

5-Feb-18, Monday:- 2000 UTC, 8157 kHz, "182 182 182 1", DK/GC "345 73" x 2, signal up and down, S7 sinking to much weaker at times.
2020 UTC, 6857 kHz, second sending, varying between S7 to over S9.
2040 UTC, 5257 kHz, S7.

7-Feb-18, Wednesday:- 2000 UTC, 8157 kHz, very weak signal, only just detectable, unreadable.
2020 UTC, 6857 kHz, much stronger, S6 at first and came up to over S9 by 2023z, "182"
and "345 73" again.
2040 UTC, 5257 kHz, around S8 to S9.

19-Feb-18, Monday:- 8157 kHz, "182 182 182 000", S8.
2020 UTC, 6857 kHz, also indicating around S8.

21-Feb-18, Wednesday:- 2000 UTC, 8157 kHz, "182 182 182 000", weak signal, much weaker signal than on Monday.
2020 UTC, 6857 kHz, S5 to S6 at best.

Saturday + Sunday SSB Schedule, 0700 UTC Start:-

6-Jan-18, Saturday:- 0700 UTC, 8123 kHz, "134 134 134 000", peaking S9, weaker "XJT" on close frequency.
0720 UTC, 9323 kHz, second sending, much weaker, indicating around S5.

7-Jan-18, Sunday:- 0700 UTC, 8123 kHz, and 0720 UTC, 9323 kHz, "134 134 134 000".

13-Jan-18, Saturday:- 0700 UTC, 8123 kHz, "134 134 134 000", S8.
0720 UTC, 9323 kHz, also around S8.

20-Jan-18, Saturday:- 0700 UTC, 8123 kHz, "134 134 134 000", S7.
0720 UTC, 9323 kHz, slightly weaker.

27-Jan-18, Saturday:- 0700 UTC, 8123 kHz, "134 134 134 000", indicating around S7.
0720 UTC, 9323 kHz, stronger, peaking over S9.

28-Jan-18, Sunday:- 0720 UTC, 9323 kHz, second sending, "134 134 134 000", peaking S9.

3-Feb-18, Saturday:- 0700 UTC, 10112 kHz, "full message" this morning, "111 111 111 1",
DK/GC "600 74" x 2, strength S7.
0720 UTC, 11112 kHz, S7 to S8.
0740 UTC, 12112 kHz, peaking S9.

11-Feb-18, Sunday:- 0700 UTC, 10112 kHz, "111" and "600 74" again, S6.
0720 UTC, 11112 kHz, also around S6, and 0740 UTC 12112 kHz, peaking over S9.

17-Feb-18, Saturday:- 0700 UTC, 10112 kHz, "111 111 111 000", S8.
0720 UTC, 11112 kHz, also S8.

18-Feb-18, Sunday:- 0700 UTC, 10112 kHz, and 0720 UTC, 11112 kHz, "111 111 111 000".

Others' logs

Sunday/Wednesday

January 2018

1800z	8194kHz	1820z	6794kHz	1840z	5294kHz	
03/01	172 000				[1800z NRH]	Weak
07/01	172 000					Weak
10/01	172 000					Weak
14/01	172 000					Weak
17/01	172 000					Weak
21/01	172 1 845 83 96173 ... 22371 000 000					Weak
24/01	172 1 845 83 86173 ... 22371 000 000				[1800/1820z Unworkable]	Weak
28/01	172 1 731 106 64968 ... 23437 000 000				[1800z Unworkable 1820z Weak]	1940z Strong
31/01	172 1 731 106 17429 ... 23437 000 000					Weak

February 2018

1800z	10219kHz	1820z	9119kHz	1840z	7519kHz	
04/02	215 1 228 (139) 15275 no further copy				[1800/1840z Unworkable]	Weak, poor copy
07/02	215 1 338 139 15275 ... 43691 000 000				[1800/1820z Unworkable]	Fair
11/02	215 000					Fair/Strong
14/02	215 000					Weak
18/02	215 1 137 75 77615 ... 08541 000 000				[1820z Unworkable]	Weak
21/02	215 1 137 75 77619 ... 08941 000 000				(Corrected from Sundays weak Tx)	Strong
25/02	215 1 337 99 34096 ... 28274 000 000					Weak
28/02	215 1 337 99 34096 ... 28274 000 000					Fair

215 1 337 99
34096 65373 60968 34844 84122 03696 72699 52244 87266 77919
78276 35126 84517 71413 06178 99897 51299 74044 23975 52134
39596 66601 10826 72364 61527 83464 31664 63830 04336 14633
60644 23926 22755 75516 89037 50874 71204 96753 46445 27269
66683 51809 06846 60740 45055 62024 84935 42751 47948 26114
91052 05405 63458 10833 19444 76318 28068 00073 28610 18510
47506 66221 52329 04830 77661 39724 12737 26734 38770 71960
22735 91383 91906 56019 03547 22050 16176 20174 33193 15872
94375 20950 98238 86928 22874 73407 36942 13691 35843 64910
99767 02455 57976 67505 78634 28534 90281 06796 28274
000 000 Courtesy Ary

Sunday/Saturday

January 2018

0700z 8123kHz 0720z 9323kHz 0740z 10423kHz



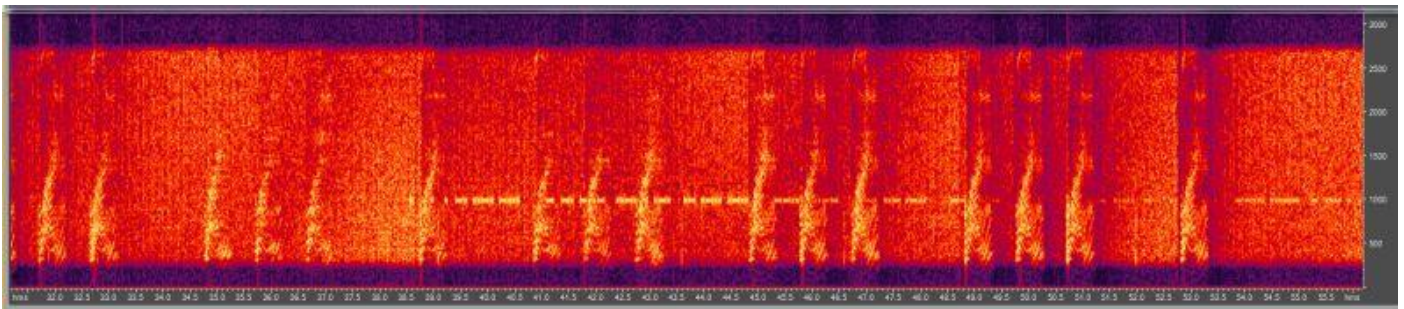
Very strong sending 8123kHz 0700z 28/012018

06/01	134 000		Fair
07/01	134 000	[0720zWeak,QSB3/4]	Fair
13/01	134 000	[0720zWeak, noisy]	Strong
14/01	134 000		Strong, noisy
20/01	134 000		Weak
21/01	134 000		Very strong
27/01	134 000		Fair
28/01	134 000	[See image above]	Very strong

February 2018

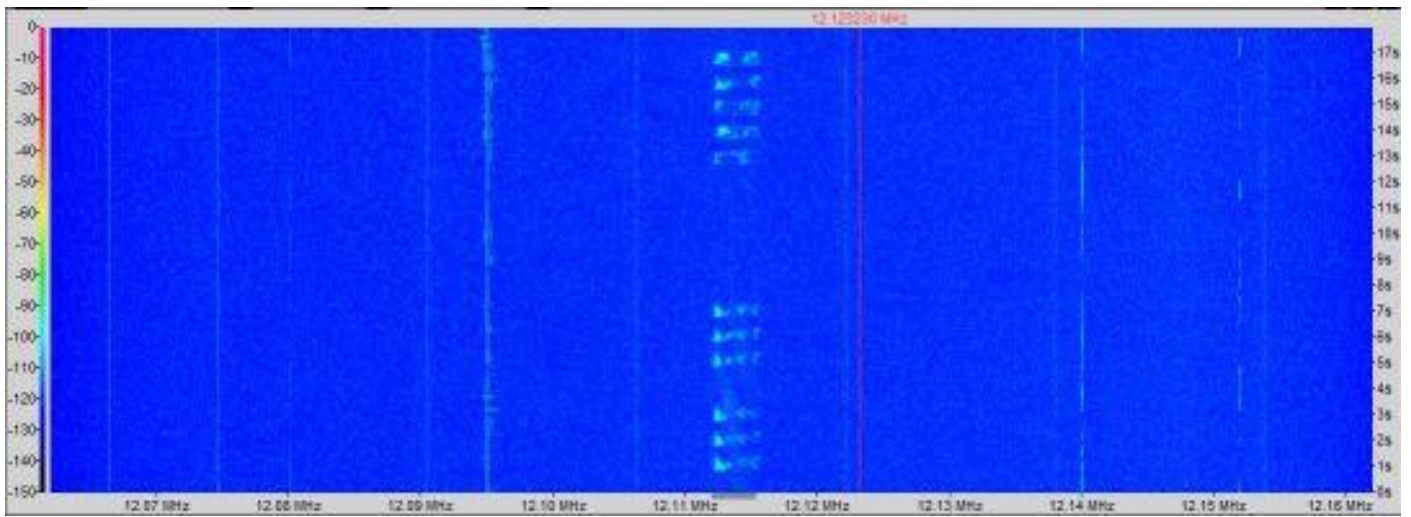
0700z 10112kHz 0720z 11112kHz 0740z 12112kHz

03/02 111 1 600 74 45204 ... 50nnn 000 000 Weak, QSB to nil



10112kHz 0700z 04/02 Amateur CW present on E07 sent in 30M Amateur Band

04/02	111 1 600 74 42504 ... 50853 000 000	[CWQRM2, see above]	Weak, noisy, QSB2
10/02	111 1 600 74 42504 ... 50853 000 000	[0700/0720zWeak]	Fair
11/02	111 1 600 74 42504 ... 50853 000 000	[0700/0720zUnworkable]	Strong, noisy
17/02	111 000		Weak
18/02	111 000	[0700zUnworkable]	Very weak



Final group and end of 10/02 0740z

Monday/Wednesday

January 2018

2000z	6776kHz	2020z	5767kHz	2040z	5067kHz	
01/01	770 000					Weak
03/01	770 000					Weak
08/01	770 000					Weak
10/01	770 000					Weak
15/01	770 116 92 00858 ... 93331 000 000				[2040z Strong]	Weak
17/01	770 1 116 92 00858 .. 93331 000 000					Weak
22/01	770 000					Weak
24/01	770 000					Weak
29/01	770 000					Weak
31/01	770 000					Weak

February 2018

2000z	8157kHz	2020z	6857kHz	2040z	5257kHz	
05/02	182 1 345 73 24535 ... 03098 000 000					Weak
07/02	182 1 345 73 24535 ... 03098 000 000				[2000z Unworkable]	Weak
12/02	182 000					Fair
14/02	182 000					Very strong
19/02	182 000					Weak
21/02	182 000					Weak
26/02	182 000					Weak/Fair

Tuesday/Friday

January 2018

1100z	13523kHz	1120z	12123kHz	1140z	10623kHz	
02/01	516 000				[1100zNRH]	Weak
05/01	516 000					Fair
09/01	516 000					Fair

16/01	516 1 1335 85 83256 ... 16584 000 000	Weak
19/01	516 1 1335 85 83256 ... 16554 000 000	Fair
23/01	516 000	Weak
26/01	516 000	Weak
30/01	516 000	Fair

February 2018

1100z 16161kHz 1120z 14661kHz 1140z 13361kHz

06/02	163 1 5495 73 39501 ... 87958 000 000	Fair
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In 1100z message group 49 was incomplete (946 instead of 94686).

163 163 163 1
5495 73
39501 28565 82679 80398 96733 10325 64457 69766 58302 49490
86519 02699 64412 64073 22574 42766 27191 59711 63526 02139
13729 01813 69354 56985 50823 39977 09346 34472 39058 66214
13492 71417 72235 07612 14673 81487 49210 23890 42190 01684
99942 34756 76322 00328 94352 15597 38253 34875 94686 43013
87118 35554 69509 40577 93162 32121 25063 38575 36424 66121
43509 00409 09549 02479 41184 22181 07872 25000 76126 59626
79050 48157 87958
000 000 *Courtesy Gert*

09/02	163 1 5495 73 39501 ... 87958 000 000	[1140z Weak]	Fair
13/02	163 000		Fair
16/02	163 000		Weak
20/02	163 1 8611 65 03078 ... 28003 000 000	[1100z Strong]	Weak
23/02	163 1 8611 77 03078 ... 28003 000 00	[1100z Unworkable 1120z Weak]	Strong
27/02	163 000		Weak

Thursday

January 2018

2110z 6777kHz 2130z 5449kHz 2150z 4483kHz

04/01	744 000	[2110zNRH]	Weak
25/01	744 000		Weak

February 2018

01/02	744 1 768 78 4167 ... 44856 000 000	[2100/2130z Unworkable]	Weak
15/02	744 1 6010 57 35009 ... 85800 000 000		Weak
22/02	744 000		Fair

E07a

Wednesday

January 2018

2100z 5877kHz 2120z 5277kHz 2140z 4577kHz

03/01	825 000		Strong
10/01	825 000		Strong
17/01	825 1 37066 2010 63 41217 ... 81468 000 000	[2140z Weak]	Strong
24/01	825 1 37066 2010 63 41217 ... 81468 000 000		Very strong
31/01	825 000		Very strong

February 2018

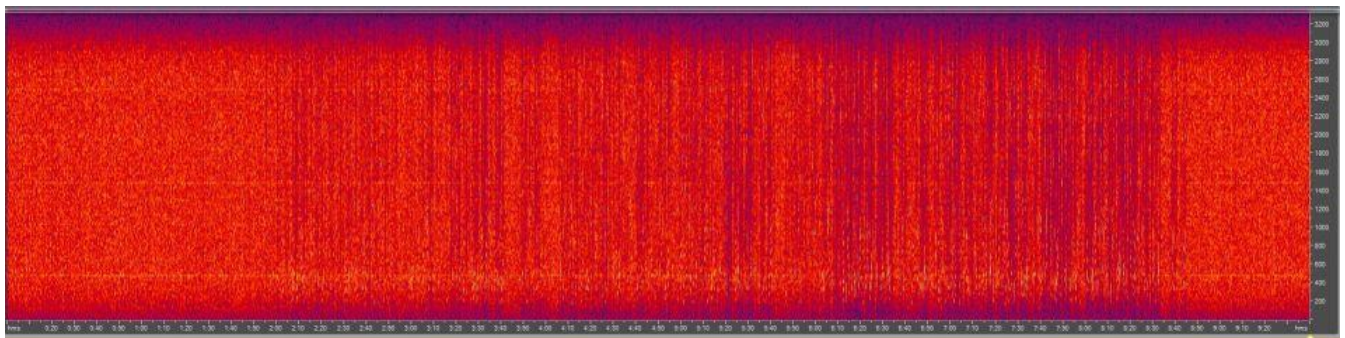
07/02	825 000					Strong
14/02	825 1 60906 8036 55 50253 ... 61754 000 000			[2100z Weak]		Strong
21/02	825 1 60906 8036 55 50253 ... 61754 000 000					Strong, noisy
28/02	825 000					Very strong

Thursday

January 2018

0530z	5111kHz	0550z	5811kHz	0610z	6911kHz	
04/01	189 000					Strong
11/01	189 000					Strong, noisy
18/01	189 1 37066 2010 63 41217 ... 81468 000 000			[0610z Unworkable]		Strong, noisy
25/01	189 1 37066 2010 63 41217 ... 81468 000 000					Very strong
01/02	189 000					Fair, noisy

February 2018



0550z 15/02 1m22s missed from start-up

08/02	189 000					Strong
15/02	189 1 60906 8036 55 50253 ... 61754 000 000			[0550z 1m22s missed from start-up – see image]		Strong
22/02	189 1 60906 8036 55 50253 ... 61754 000 000					Weak noisy, 0610z Fair

Friday

January 2018

1610z	7632kHz	1630z	6832kHz	1650z	5832kHz	
05/01	688 000					Fair
12/01	688 000					Weak
19/01	688 000					Weak
26/01	688 000					Fair

February 2018

1610z	9347kHz	1630z	8147kHz	1650z	6847kHz	
09/02	318 000					Fair
16/02	318 000					Fair
23/02	318 000					Fair

Saturday

January 2018

0900z	11123kHz	0920z	12123kHz	0940z	13423kHz	
06/01	114 000					Fair
13/01	114 000			[0920z Unworkable]		Weak, noisy
20/01	114 000			[0920z Unworkable]		Weak, noisy
27/01	114 000			[0920z NRH]		Fair, noisy, QSB3

February 2018

0900z	11053kHz	0920z	12153kHz	0940z	13553kHz	
10/02	015 000					Weak
17/02	015 000					Weak
24/02	015 000					Strong

PoSW's logs with analysis

Saturday Schedule, 0900 UTC Start:-

6-Jan-18:- 0900 UTC, 11123 kHz, "114 114 114 000", S6 to S7.
0920 UTC, 12123 kHz, second sending, slightly weaker signal.

13-Jan-18:- 0900 UTC, 11123 kHz, and 0920 UTC, 12123 kHz, both around S5, "114 114 114 000".

27-Jan-18:- 0900 UTC, 11123 kHz, "114 114 114 000", peaking over S9, unusually strong signal.
0920 UTC, 12123 kHz, slightly weaker.

3-Feb-18:- 0900 UTC, 11053 kHz, "015 015 015 000", weak signal.
0920 UTC, 12,153 kHz, very weak, only just readable.

10-Feb-18:- 0900 UTC, 11053 kHz, and 0920 UTC, 12153 kHz, "015 015 015 000".
Both around S6 to S8.

17-Feb-18:- 0900 UTC, 11053 kHz, and 0920 UTC, 12153 kHz, both peaking over S9, stronger than usual, "015 015 015 000".

Wednesday Schedule, 2100 UTC Start:-

3-Jan-18:- 2100 UTC, 5877 kHz, "825 825 825 000", over S9.
2120 UTC, 5277 kHz, also over S9.

10-Jan-18:- 2100 UTC, 5877 kHz, "825 825 825 000", S9+, very strong signal.

24-Jan-18:- 2100 UTC, 5877 kHz, "825 825 825 1 37066" for a "full message". DK/GC "2010 63" x 2, S9+.
2120 UTC, 5277 kHz, second sending, over S9.
2140 UTC, 4577 kHz, also over S9.

31-Jan-18:- 2100 UTC, 5877 kHz, and 2120 UTC, 5277 kHz, both S9+, "825 825 825 000".

7-Feb-18:- 2100 UTC, 5877 kHz, and 2120 UTC, 5277 kHz, "825 825 825 000".

21-Feb-18:- 2100 UTC, 5877 kHz, "825 825 825 1 60906", DK/GC "8036 55" x 2, signal up and down, occasionally touching S9 often much weaker.

2120 UTC, 5277 kHz, S7 to S9.

2140 UTC, 4577 kHz, mostly well over an indicated S9, strongest transmission of the three.

E11 log Jan/Feb

From RNGB

4505kHz	1605z	02/01 [237/00]	Gary H, Malc	TUE
	1605z	07/01 [236/00] Out 1608z S9	Malc	SUN
	1605z	09/01 [238/00] Good	Gary H, Malc	TUE
	1605z	14/01 [236/00] Out 1608z S9	Malc	SUN
	1605z	16/01 [236/00]	Gary H	TUE
	1605z	21/01 [231/00]	Gary H, Malc	SUN
	1605z	30/01 [238/00] Out 1608z S6	Malc, Gary H	TUE
	0710z	04/02 [492/00] Good	RNGB	SUN
	1605z	04/02 [238/00] Out 1608z S5	Malc	SUN
	1605z	06/02 [236/00] Out 1608z S6	Malc, RNGB	TUE
	1605z	20/02 [230/00] Out 1608z S5	Malc	TUE
	1605z	25/02 [231/00] Out 1608z	Malc	SUN
	1605z	27/02 [230/00] Out 1608z S6	Malc	TUE

5409kHz	1530z	04/01 [266/00] Out 1533z S4		Malc	THU	
	1530z	11/01 [260/00] Out 1543z S9		Malc	THU	
	1530z	25/01 [266/00] Out 1533z S7		Malc	THU	
	1530z	01/02 [267/00] Out 1533z S9		Malc	THU	
	1530z	08/02 [266/00] Out 1533z S9		Malc	THU	
	1530z	22/02 [262/00] Out 1533z S7		Malc	THU	
5779kHz	1730z	04/01 [411/00] Out 1733z S3		Malc	THU	
	1730z	18/01 [410/00] Out 1733z S5		Malc	THU	
	0315z	25/01 [258/00]		RNGB	THU	
	1730z	25/01 [410/00] Out 1733z S5		Malc, RNGB	THU	
	1730z	01/02 [414/00] Out 1733z S5		Malc	THU	
	1730z	22/02 [415/00]		Gary H	THU	
6849kHz	1900z	01/01 [644/00] Out 1903z S3		Malc	MON	
	1900z	04/01 [641/00] Out 1903z S8		Malc	THU	
	1900z	08/01 [640/00] Out 1903z S4		Malc	MON	
	1900z	11/01 [648/00] Out 1903z S3	(Dutch SDR)	Malc	THU	
	1900z	22/01 [644/00] Out 1903z S2	(Dutch SDR)	Malc	MON	
	1900z	25/01 [640/00] Out 1903z S2		Malc	THU	
	1900z	29/01 [643/00] Out 1903z S2		Malc	MON	
	1900z	01/02 [640/00] Out 1903z S2		Malc	THU	
	1900z	05/02 [646/00] Out 1903z S8		Malc	MON	
	1900z	08/02 [641/00] Out 1903z S5		Malc	THU	
	1900z	12/02 [643/00] Out 1903z S3		Malc	MON	
	1900z	15/02 [648/00] Out 1903z S4		Malc	THU	
	7317kHz	1205z	02/01 [463/00] Out 1208z S4		Malc	TUE
1205z		09/01 [464/00] Out 1208z S3		Malc	TUE	
1205z		10/01 [464/00] Out 1208z S3		Malc	WED	
1205z		16/01 [461/00] Out 1208z S3		Malc	TUE	
1205z		23/01 [464/00] Out 1208z S3		Malc	TUE	
1205z		24/01 [463/00] Out 1208z S5		Malc	WED	
1205z		06/02 [460/00] Out 1208z S4		Malc	TUE	
1205z		07/02 [469/00] Out 1208z S5		Malc	WED	
1205z		13/02 [461/00] Out 1208z S2		Malc	TUE	
1205z		14/02 [464/00] Out 1208z S2		Malc	WED	
1205z		28/02 [466/00] Out 1208z S3		Malc	WED	
7377kHz		0805z	06/01 [319/00]		RNGB	SAT
		0805z	07/01 [312/00] Out 0808z S8		Malc, E	SUN
	0805z	13/01 [312/00] Out 0808z S3		Malc	SAT	
	0805z	14/01 [312/00] Out 0808z S9		Malc	SUN	
	0805z	10/02 [313/00] Out 0808z S5		Malc	SAT	
	0805z	11/02 [315/00] Out 0808z S6		Malc	SUN	
	0805z	17/02 [310/00] Out 0808z S7		Malc	SAT	
	0805z	18/02 [314/00] Out 0808z S9		Malc	SUN	
	0805z	24/02 [316/00] Out 0808z S5		Malc	SAT	
0805z	25/02 [319/00] Out 0808z S4		Malc	SUN		
7840kHz	0647z	06/02[514/00]		E	TUE	
7984kHz	0820z	01/01 [434/00] Out 0823z S3		Malc	MON	
	0820z	04/01 [438/00] Out 0823z S5		Malc, RNGB	THU	
	0820z	08/01 [434/00] Out 0823z S6		Malc	MON	
	0820z	11/01 [432/00] Out 0823z S6		Malc	THU	
	0820z	15/01 [432/00] Out 0823z S4		Malc, RNGB	MON	
	0820z	18/01 [432/00] Out 0823z S5		Malc, RNGB	THU	
	0820z	29/01 [435/00] Out 0823z S5		Malc, RNGB	MON	
	0820z	01/02 [435/00] Out 0823z S5		Malc, RNGB	THU	
	0820z	05/02 [436/00] Out 0823z S3		Malc	MON	
	0820z	08/02 [434/00] Out 0823z S3		Malc	THU	
	0820z	19/02 [438/00] Out 0823z S3		Malc	MON	
8180kHz	0930z	10/01 [276/00] Out 0933z S3		Malc	WED	
	0930z	17/01 [277/00] Out 0933z S4		Malc	WED	
	0930z	24/01 [275/00] Out 0933z S6		Malc	WED	
	0930z	31/01 [271/00] Out 0933z S3		Malc	WED	
	0930z	01/02 [275/00] Out 0933z S5		Malc	THU	
	0930z	07/02 [273/00] Out 0933z S5		Malc	WED	
	0930z	08/02 [275/00] Out 0933z S3		Malc	THU	

	0930z	21/02 [275/00] Out 0933z S4		Malc	WED
	0930z	22/02 [276/00] Out 0933z S4		Malc	THU
	0930z	28/02 [279/00] Out 0933z S3		Malc	WED
8545kHz	1730z	03/01 [400/00] Out 1733z S3		Malc	WED
	1730z	17/01 [408/00] Out 1733z S2	(Dutch SDR)	Malc	WED
	1730z	24/01 [409/00] Weak		RNGB	WED
	1730z	27/01 [409/00] Out 1733z S2		Malc	SAT
	1730z	31/01 [402/00] Out 1733z S8		Malc	WED
	1730z	03/02 [409/00]		Gary H	SAT
	1730z	07/05 [406/00] Out 1733z S5	(Dutch SDR)	Malc	WED
	1730z	10/02 [405/00] Out 1733z S3	(Dutch SDR)	Malc	SAT
	1730z	14/02 [400/00] Out 1733z S9		Malc	WED
	1730z	17/02 [405/00] Out 1733z S9		Malc, E	SAT
	1730z	28/02 [409/00] Out 1733z S9		Malc	WED
8680kHz	1300z	18/01 [580/00] Out 1303z S5		Malc	THU
	1300z	20/01 [586/00] Out 1303z S6		Malc	SAT
	1300z	25/01 [589/00] Out 1303z S4		Malc	THU
	1300z	27/01 [587/00] Out 1303z S6		Malc	SAT
	1300z	01/02 [585/00] Out 1303z S8		Malc	THU
	1300z	08/02 [581/00] Out 1303z S2		Malc	THU
	1300z	22/02 [581/00] Out 1303z S3		Malc	THU
	1300z	24/02 [586/00] Out 1303z S7		Malc	SAT
8800kHz	1000z	02/01 [308/00] Out 1003z S5		Malc	TUE
	1000z	05/01 [300/00] Weak		RNGB	FRI
	1000z	09/01 [309/00] Out 1003z S3		Malc	TUE
	1000z	12/01 [300/00] Out 1003z S4		Malc	FRI
	1000z	23/01 [302/00] Out 1003z S4		Malc	TUE
	1000z	26/01 [309/00] Out 1003z S3		Malc, RNGB	FRI
	1000z	30/01 [309/00] Out 1003z S5		Malc	TUE
	1000z	13/02 [305/00] Out 1003z S3		Malc	TUE
	1000z	20/02 [305/00] Out 1003z S3		Malc	TUE
	1000z	23/02 [308/00] Out 1003z S7		Malc	FRI
	1000z	27/02 [302/00] Out 0808z S3		Malc	TUE
9130kHz	0715z	16/01 [634/00] Fair		RNGB	TUE
	0715z	23/01 [635/00] Out 0718z S2		Malc	TUE
	0715z	30/01 [637/00] Out 0718z S5		Malc	TUE
	0715z	02/02 [639/00]		RNGB	FRI
	0715z	06/02 [631/00] Good		RNGB	TUE
	0715z	20/02 [635/00] Out 0718z S3		Malc	TUE
	0715z	27/02 [636/00] Out 0728z S3		Malc	TUE
9443kHz	1705z	03/01 [390/00] Out 1708z S3		Malc	WED
	1705z	10/01 [392/00] Out 1708z S4 QSB2		Malc	WED
	1705z	13/01 [390/00] Out 1708z S7		Malc	SAT
	1705z	17/01 [391/00] Out 1708z S3	(Dutch SDR)	Malc	WED
	1705z	31/01 [390/00] Out 1708z S8		Malc, RNGB	WED
	1705z	03/02 [391/00]		Gary H, E	SAT
	1705z	07/02 [393/00] Out 1708z S2		Malc	WED
	1705z	10/02 [396/00] Out 1708z S2		Malc	SAT
	1705z	14/02 [393/00] Out 1708z S9		Malc	WED
	1705z	17/02 [390/00] Out 1708z S9		Malc	SAT
	1705z	28/02 [390/00] Out 1708z S9		Malc	WED
9446kHz	0900z	08/01 [530/00] Out 0903z S5		Malc	MON
	0900z	10/01 [533/00] Strong		RNGB	WED
	0900z	15/01 [537/00] Out 0903z S3		Malc	MON
	0900z	17/01 [535/00] Out 0905z S4		Malc	WED
	0900z	22/01 [537/00] Out 0903z S2		Malc, RNGB	MON
	0900z	24/01 [532/00] Out 0903z S5		Malc	WED
	0900z	29/01 [533/00] Out 0903z S2		Malc	MON
	0900z	31/01 [534/00] Out 0903z S5		Malc	WED
	0900z	05/02 [534/00] Out 0903z S3		Malc, RNGB	MON
	0900z	07/02 [536/00] Out 0903z S4		Malc	WED
	0900z	12/02 [532/00] Out 0903z S3		Malc	MON
	0900z	14/02 [536/00] Out 0903z S3		Malc	WED
	0900z	21/02 [535/00] Out 0903z S5		Malc	WED
10213kHz	0745z	01/01 [261/00] Out 0748z S9		Malc	MON

	0745z	08/01 [264/00] Out 0748z S9		Malc	MON
	0745z	22/01 [262/00] Out 0748z S6		Malc	MON
	0745z	29/01 [264/00] Out 0748z S9		Malc, RNGB	MON
	0745z	05/02 [261/00] Out 0748z S8		Malc, RNGB	MON
	0745z	19/02 [268/00] Out 0748z S5		Malc	MON
	0745z	26/02 [267/00] Out 0748z S9		Malc	MON
10448kHz	1625z	03/01 [978/00] Out 1628z S3		Malc	WED
	1625z	17/01 [977/00] Out 1628z S2		Malc	WED
	1625z	21/01 [976/00]		Gary H, Malc	SUN
	1625z	24/01 [978/00] Out 1628z S2		Malc	WED
	1625z	28/01 [976/00] Out 1628z S1	(Dutch SDR)	Malc	SUN
	1625z	31/01 [974/00] Out 1628z S4		Malc	WED
	1625z	04/02 [974/00]		Gary H	SUN
	1625z	14/02 [975/00] Out 1628z S2		Malc	WED
	1625z	21/02 [977/00]		Gary H	SUN
	1625z	18/02 [970/00] Out 1628z S6		Malc	SUN
	1625z	25/02 [978/00] Out 1628z S3		Malc	SUN
	1625z	28/02 [976/00] out 1628z S6		Malc	WED
10487kHz	1910z	05/01 [614/00] Out 1913z S2	(Dutch SDR)	Malc	THU
	1910z	19/01 [618/00] Out 1913z S3	(Dutch SDR)	Malc	FRI
	1910z	04/02 [613/00] Out 1913z S2		Malc	SUN
11104kHz	0845z	02/01 [156/00] Out 0848z S4		Malc, RNGB	TUE
	0845z	04/01 [151/00] Out 0848z S5		Malc, RNGB	THU
	0845z	09/01 [151/00] Out 0848z S3		Malc, RNGB	TUE
	0845z	11/01 [155/00] Out 0848z S9		Malc, RNGB	THU
	0845z	23/01 [157/00] Out 0848z S9		Malc	TUE
	0845z	25/01 [152/00] Out 0848z S8		Malc	THU
	0845z	13/02 [156/00] Out 0848z S8		Malc	TUE
	0845z	15/02 [159/00] Out 0848z S5		Malc	THU
	0845z	20/02 [151/00] Out 0848z S5		Malc	TUE
	0845z	22/02 [154/00] Out 0848z S7		Malc	THU
	0845z	27/02 [154/00] Out 848z S2		Malc	TUE
11107kHz	2005z	21/01 [369/00] Out 2008z S2	(Dutch SDR)	Malc	SUN
	2005z	04/02 [365/00]		Daniel	SUN
	2005z	17/02 [369/00] Out 2008z S2	(Dutch SDR)	Malc	SAT
	2005z	18/02 [369/00] Out 2008z S3	(Dutch SDR)	Malc	SUN
11493kHz	1645z	02/01 [330/00] Out 1648z S4		Malc	TUE
	1645z	04/01 [338/00] Out 1648z S2	(Dutch SDR)	Malc	THU
	1645z	09/01 [330/00] Out 1648z S2		Malc, RNGB	TUE
	1625z	11/01 [335/00] Out 1628z S3	(Dutch SDR)	Malc	THU
	1645z	16/01 [334/00] Out 1648z S2		Malc	TUE
	1645z	18/01 [330/00] Out 1648z S2		Malc	THU
	1645z	30/01 [335/00] Out 1648z S3		Malc	TUE
	1645z	01/02 [332/00] Out 1648z S2		Malc	THU
	1645z	15/02 [333/00] Out 1648z S8		Malc	THU
	1645z	27/02 [335/00] Out 1648z S9		Malc	TUE
12067kHz	1925z	18/01 [551/00] Weak		RNGB	THU
	1925z	25/01 [552/00] Out 1933s S2	(Dutch SDR)	Malc	THU
	1925z	30/01 [557/00] Out 1928z S2		Malc	TUE
	1925z	06/02 [558/00] Out 1928z S2 QSB1	(Dutch SDR)	Malc	TUE
12153kHz	1045z	02/01 [570/00] Out 1048z S5		Malc	TUE
	1045z	16/01 [576/00] Out 1048z S7		Malc	TUE
12202kHz	0820z	02/01 [130/00] Out 0823z S5		Malc, RNGB	TUE
	0820z	16/01 [136/00] Out 0823z S2 QRM		Malc	TUE
	0820z	17/01 [131/00] Out 0823z S2		Malc, RNGB	WED
	0820z	23/01 [132/00] Out 0823z S2		Malc	TUE
	0820z	30/01 [136/00] Out 0823z S7		Malc	TUE
	0820z	31/01 [136/00] Out 0823z S2		Malc, RNGB	WED
	0820z	13/02 [135/00] Out 0823z S8		Malc	TUE
	0820z	14/02 [130/00] Out 0823z S5		Malc	WED
	0820z	20/02 [136/00] Out 0823z S9		Malc	TUE
	0820z	21/02 [132/00] Out 0823z S5		Malc	WED
	0820z	27/02 [134/00] Out 0823z S2		Malc	TUE
	0820z	28/02 [136/00] Out 0823z S2		Malc	WED

12924kHz	1745z	28/01 [244/00] Out 1748z S2	(Dutch SDR)	Malc	SUN
14666kHz	1345z	09/01 [918/00] Out 1348z S2		Malc	TUE
	1345z	13/01 [911/001] Out 1348z S2		Malc, E	SAT
	1345z	16/01 [910/00] Out 1348z S2	(Dutch SDR)	Malc	TUE
	1345z	20/01 [918/00] Out 1348z S2		Malc	SAT
	1345z	30/01 [918/00] Out 1348z S2		Malc	TUE
	1345z	06/02 [910/00] Out 1348z S2		Malc	TUE
	1345z	10/02 [915/00] Out 1348z S2		Malc	SAT
	1345z	13/02 [911/00] Out 1348z S2	(Dutch SDR)	Malc	TUE
	1345z	27/02 [919/001] Out 1348z S2	(Dutch SDR)	Malc	TUE
16335kHz	1650z	26/01 [929/00] Out 2653z S7	(Dutch SDR)	Malc	FRI
	1650z	16/02 [926/00] Out 1653z S2		Malc	FRI
	1650z	18/02 [921/00] Out 1653z S2	(Dutch SDR)	Malc	SUN
	1650z	25/02 [929/00] Out 1653z S2		Malc	SUN
17378kHz	0745z	05/01 [342/00] Out 0748z S2		Malc	THU
	0745z	10/01 [346/00]		RNGB	WED
	0745z	12/01 [343/00] Out 0748z S2		Malc	FRI
	0745z	31/01 [346/00] Out 0748z S2 QSB2		Malc	WED
	0745z	14/02 [340/00] Out 0748z S2		Malc	WED
	0745z	16/02 [346/00] Out 0748z S2	(Dutch SDR)	Malc	FRI
	0745z	28/02 [342/00] Out 0748z S1	(Dutch SDR)	Malc	WED

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4505kHz	0710z	07/01 [490/32 28393 72934 39933 25320 68813 70238 72293 07435.....61430 80477] Good		RNGB	SUN
	1605z	23/01 [233/33 90520.....17608] Out 1614z S9		Malc	TUE
	1605z	28/01 [233/33 90520 12339 34483 43965 49285 71327 82130 11382.....50968 17608]		RNGB	SUN
	1605z	13/02 [230/36 30098.....48548] Out 1615z S9		Malc	TUE
	1605z	18/02 [230/36 30098.....etc] Repeat of Tuesday		Malc	SUN
5409khz	1530z	18/01 [262/38 42540 09642 14676 06705 54615 56023 79638 49835.....72598 21654]		Gary H, Malc	THU
5779kHz	1730z	11/01 [414/31 95819.....47579] Out 1739z S5 (Dutch SDR)		Malc	THU
	1730z	15/02 [418/39 25483.....86644] Out 1741z S4		Malc	THU
6849kHz	1900z	15/01 [643/33 58835 56258 47588 33438 78209 73045 76849.....25411] Out 1909z S3		RNGB, Malc	MON
	1900z	18/01 [643/33 58835.....etc] Repeat of Monday		Malc	THU
	1900z	19/02 [644/38 83690.....80788] Out 19010z S3		Malc	MON
	1900z	22/02 [644/38 83690.....etc] Repeat of Monday		Malc	THU
7317kHz	1205z	31/01 [465/33 54154 27691 51563 12829 19787 10956 72856.....63094 27147] Out 1215z S2		RNGB, Malc	WED
	1205z	20/02 [466/34 12139.....16461] Out 1215z S3		Malc	TUE
	1205z	21/02 [466/34 12139.....etc] Repeat of Tuesday		Malc	WED
7377kHz	0805z	27/01 [313/39 22623.....25590] Out 0816z S5		Malc	SAT
	0805z	03/02 [311/33 22881 60827 25794 73257 12777 03970 85786 58597.....13830 94250]		RNGB	SAT
	0805z	04/02 [311/33 22881.....etc] Repeat of Saturday		RNGB	SUN
7984kHz	0820z	22/01 [432/35 77693 80424 00416 02937 9958907599 57942.....21460 99315] Out 0830z S4		RNGB, Malc	MON
	0820z	25/01 [432/35 77693.....etc] Repeat of Monday		Malc	THU
	0820z	12/02 [436/38 15272.....56385] Out 0830z S4		Malc	MON
	0820z	15/02 [436/38 15272.....etc] Repeat of Monday		Malc	THU
8180kHz	0930z	03/01 [279/31 28094 04187 37874 64217 38545 85400 29664.....58002 26426] Out 0939z S8		RNGB, Malc	WED
	0930z	14/02 [270/40 04985.....52697] Out 0941z S7		Malc	WED
	0930z	15/02 [270/40 04985.....etc] Repeat of Wednesday		Malc	THU
8545kHz	1730z	13/01 [406/39 06430.....71914] Out 1739z S2		Malc	SAT
	1730z	21/02 [402/40 77215.....10986] Out 1741z S9+20		Malc	WED
	1730z	24/02 [402/40 77215.....etc] Repeat of Wednesday		Malc	SAT
8680kHz	1300z	11/01 [581/40 51667.....28437] Out 1311z S5		Malc	THU
	1300z	13/01 [581/40 51667.....etc] Repeat of Thursday		Malc, E	SAT
	1300z	15/02 [589/31 41164.....05713] Out 1310z S5		Malc	THU
	1300z	17/02 [589/31 41164.....etc] Repeat of Thursday		Malc	SAT
8800kHz	1000z	16/01 [308/30 19196.....62691] Out 1009z S8		Malc	TUE
	1000z	19/01 [308/30 19196 01210 84199 46429 63017 78194 33263 15935.....59296 62691]		RNGB, Malc	FRI

1000z	06/02 [308/36 94895.....82456] Out 1010z S3	Malc	TUE
1000z	09/02 [308/36 94895.....etc] Repeat of Tuesdays	Malc	FRI
9130kHz	0715z 13/02 [639/37 76950.....49213] Out 0725z S4	Malc	TUE
9443kHz	1705z 24/01 [399/33 44528 56382 23483 13272 96444 02821 76968.....27416 68167] Out 1714z S4	RNGB, Malc	WED
	1705z 27/01 [399/33 44528.....etc] Repeat of Wednesday	Malc	SAT
	1705z 21/02 [394/40 48334.....64155] Out 1716z S7	Malc	WED
	1705z 24/02 [394/40 48334.....etc] Repeat of Wednesday	Malc	SAT
9446kHz	0900z 01/01 [533/32 66759 21286 33606 93449 83603 96357 75796.....38823 13225]	Ary, Malc	MON
	0900z 03/01 [533/32 66759.....etc] Repeat of Monday	Malc	WED
	0900z 26/02 [537/40 07605.....95471] Out 0911z S3	Malc	MON
	0900z 28/02 [537/40 07605.....etc] Repeat of Monday	Malc	WED
10213kHz	0745z 15/01 [262/38 42540 09642 14676 06705 54615 56023 79638.....72598 21654] Out 0755z S6	RNGB, Malc	MON
	0745z 12/02 [262/32 53997.....62966] Out 0748z S6	Malc	MON
10448kHz	1625z 10/01 [978/33 78622.....77769] Out 1634z S2	Malc	WED
	1625z 14/01 [975/33 78622.....etc] Repeat of Wednesday	Malc	SUN
	1625z 07/02 [970/40 67921.....54096] Out 1630z S7	Malc	WED
10487kHz	1910z 12/01 [618/31 71700.....66041] Out 1919z S3 (Dutch SDR)	Malc	FRI
	1910z 14/01 [618/31 71700.....etc] Repeat of Friday	Malc	SUN
11104kHz	0845z 16/01 [150/20 61539.....87147] Out 0848z S5	Malc	TUE
	0845z 18/01 [150/20 61359.....etc] Repeat of Tuesday	Malc	THU
	0845z 06/02 [159/22 96918.....95439] Out 0853z S7	Malc	TUE
	0845z 08/02 [159/22 96918.....etc] Repeat of Tuesday	Malc	FRI
11107kHz	2005z 24/02 [369/36 69324.....43639] Out 2015z S2 (Dutch SDR)	Malc	SAT
	2005z 25/02 [369/36 69324.....etc] Repeat of Saturday	Malc	SUN
11450kHz	0640z 28/02 [948/35 21711 44429 20879 96003 67270 99260 73681 63591..... 90681 22044]	Ary	WED
11493kHz	1645z 20/02 [330/40 48279.....42688] Out 1656z S2	Malc	TUE
12067kHz	1925z 04/01 [550/32 15954.....30102] Out 1934z S2	Malc	THU
12202kHz	0820z 09/01 [134/32 87892.....64165] Out 0830z S5	Malc	TUE
	0820z 10/01 [134/32 87892 16600 67845 43562 24929 30363 54152 50043.....15231 64165] Good	RNGB	WED
	0820z 06/02 [134/37 72129 54745 23352 24687 38886 91454 18967.....19002 84333] Out 0830z S7	RNGB, Malc	TUE
	0820z 07/02 [134/37 72129.....etc] Repeat of Tuesday	Malc	WED
14666kHz	1345z 06/01 [919/33 51989.....00678] Out 1355z S9	Malc	SAT
16335kHz	1650z 12/01 [929/36 88110.....37530] Out 1700z S2 (Dutch SDR)	Malc	FRI
	1650z 04/02 [924/34 32814..... Faded out]	Malc	SUN

E17z

Thursday

January 2018

0800z	11170kHz	0800z	9820kHz	
04/01	674 893 5 36330 31471 33619 37137 37908 893 5 00000			Weak
11/01	674 893 5 36330 31471 33619 37137 37908 674 5 00000			Weak
25/01	674 259 8 46062 68672 97478 39685 30485 96633 53537 53317 259 8 00000			Weak

February 2018

08/02	674 982 5 30702 88959 89831 42097 88475 982 5 00000			Weak
15/02	674 210 5 35861 33432 89319 32494 85642 210 5 00000			Weak
22/02	674 210 5 35861 33432 89319 32494 85642 210 5 00000			Weak

E25

6140kHz0757 07/02 E25 AM carrier (usb modulated)

dmhz

WED

Male operator. Live

250

MSG MSG MSG

3744 1180 7420 8502 8215 8503 1028 7420

REBEAT REBEAT REBEAT

3744 1180 7420 8502 8215 8503 1028 7420

EOM EOT

Notes: Short carrier with music at 0736z; 1st attempt at 0744z; 2nd attempt at 0754z

G06

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

Continues much as always in 2018:-

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

11-Jan-18, 4519 kHz:- started about 10s before the half-hour, call "271", DK/GC "847 847 58 58", signal up and down this evening, sometimes indicating S9 then diving down into the noise. Ended after 1843 UTC.

8-Feb-18, 4530 kHz - not the usual 4519 - "847 847 58 58" again.

22-Feb-18, 4519 kHz, call "271", DK/GC "183 183 77 77", same message as on the G06 of Friday 9-Feb. Over S9, started about 50s before the half-hour, ended 1846z, single "271" heard immediately afterwards. Computer shut-down sound at 1846:35s.

Friday 1930 UTC Schedule Following Second + Fourth Thursdays:-

12-Jan-18, 4792 kHz, started about 10s before the half-hour as with yesterday's sending, call "436", DK/GC "273 273 62 62" (?), difficult copy at times, sinking into the local noise QRM.

26-Jan-18, 4792 kHz, "436" and "273 273 62 62", looks like the same message as on 12-Jan, much better signal, S9.

9-Feb-18, 4792 kHz, started about 1 minute 40 seconds before the half-hour, call "436", DK/GC "183 183 77 77", peaking around S9, strong enough to over-ride local QRM, ended at 1945 UTC.

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

1-Jan-18, 1703 UTC, 3750 kHz, found in progress inside the 80 metre amateur band with, "938 938 938 00000", S9 signal, stopped just after 1704 UTC so probably started close to the hour.

1800 UTC, 4490 kHz, second sending, also around S9.

8-Jan-18:- 1659:35s UTC approx, 3750 kHz, "938 938 938 00000", strong amateur LSB on close frequency.

1801 UTC, 4483 kHz, not found until after one minute pass the hour when nothing heard on the expected frequency of 4490 prompted a search, second sending over S9.

5-Feb-18:- 1658:50s UTC approx, 3750 kHz, "938 938 938 00000", strong signal, amateur LSB on close frequency, after G06 voice stopped came back with "111" a few times.

Second sending in progress when tuned in just before 1759 UTC, 4490 kHz, over S9, stopped 1802:20s UTC.

Others' logs:

Monday

January/February 2018

0758z 5320kHz

01/01 329 00000 Weak

15/01 329 000 ...sounded as if she was in a hurry! Fair

05/02 329 00000 Weak

19/02 329 00000 Weak

1700z 3750kHz

01/01 938 00000

at 1708 USB distorted 111

at 1710 USB distorted 111

at 1702 USB 111 111 111 00000

1658z 4490kHz

05/02		938 00000 then 111 111 111 until 1702z	Strong
	1707z	111 111 111 00000	
	1717z	111 111 111 00000	
	1720z	111 111 111 00000	

1800z 4490kHz

01/01 938 00000

1758z 4490kHz

05/02		938 00000	
12/02		938 00000	Fair

1659z 3750kHz 1759z 4483kHz

08/01 938 000 Fair

Wednesday

January 2018

1200z 4920kHz 1300z 4042kHz

10/01 938 00000

February 2018

1158z 4912kHz 1258z 4042kHz

07/02	[4912k]	938 00000			Weak
07/02	[4042k]	111 00000 [938 expected]		Windows shut down sound at 1311z	Fair
14/02		938 000			Fair

Thursday

January 2018

1830z 4519kHz

11/01 271 847 58 67391 ... 69529 847 58 00000 Fair

25/01 271 273 62 64537 ... 76491 273 62 00000 Strong

February 2018

22/02 271 183 77 73413 ... 27491 183 77 00000 Strong

February 2018

1828z 4530kHz

Early start: 4530 kHz 1828z
 08/02 271 847 58 67391 ... 69529 847 58 00000 Fair

271 847 58
 67391 24518 97497 42873 48732 35875 94589 43543 93269 73231
 39317 43073 24893 21956 58946 58943 68951 29618 93648 91693
 64134 86596 42384 84274 56741 38549 74375 13248 24389 34923
 43241 39432 49321 89589 32385 48434 91893 24832 39532 65764
 32893 76738 78346 57263 75329 65287 41291 31284 82564 37539
 38578 43969 35434 54363 25487 21645 72848 69529
 847 58 00000 *Courtesy Ary*

Friday

January 2018

1930z 4792kHz

12/01 436 273 62 64537 ... 76491 273 62 00000 Weak

26/01 436 273 62 64537 ... 76491 273 62 00000 Very strong

February 2018

09/02 436 183 77 73413 ... 07491 183 77 00000 Strong

23/02 436 183 77 73413 ... 27491 183 77 00000 43 [Windows Shutdown Sound] Fair

S06

RNGB's log

S06 log January 2018

Daily Mon- Fri **0400z** **15721kHz**
 22/01 '480' 925 60 96156 51068 78230 76979 10048 20189 60719 66724 09626 94125 19534 50895 03154 35954 53823 19064 82599 01093 93578 60718
 68035 28064 97213 71898 34563 41861 12126 76774 13942 30843 02938 87597 88110 83106 77102 51405 16800 93267 62560 57394
 66401 75590 17128 01938 42306 443399 ---?-- 37128 71875 47718 55284 48846 90256 65064 01527 39237 46209 05345 08142 11575
 925 60 00000

Thursdays **(Repeats following day)** **0830z** **16243kHz** **0930z** **13469kHz**
 11/01 '842' 759 35 54978 31468 82696 91760 71731 20050 05067 77770 56845 42334 06994 74588 50195 22084 04234 20743 18127 34556 65735 99223
 41878 92367 61673 71439 53104 81833 63939 73376 98413 54493 22495 91150 55925 03499 66054 759 35 00000

18/01 '842' 501 36 25251 66790 21878 14380 87710 61046 48942 58589 03108 59295 94068 91243 92428 76020 52414 77363 96041 79244 70015 51207
 86527 98451 02187 03966 65991 54884 83723 27564 58779 68437 84367 85921 35546 23963 47961 15479 501 36 00000

25/01 '842' 619 37 90836 51788 07971 04147 76977 04155 96384 70429 86016 20181 44238 16171 86450 77769 93164 85159 50331 77686 23512 46698
 12028 06105 15798 96662 67314 98807 05484 00084 79982 42987 45721 73653 88155 77582 47783 31619 27506 619 37 00000

Fridays (1st & 3rd) **2000z** **7523khz** **2100z** **5305kHz** (frequencies may vary slightly)
 05/01 '483' 00000
 19/01 '483' 00000

Saturdays (1st/3rd) **2000z** **3897kHz** **2100z** **3302kHz** (frequencies may vary slightly)
 06/01 '263' 00000

Other transmissions **5410kHz**
 21/01 1737z [mid msg 30007 61753 67546 19795 69197 29868 40529 18027 92425 68208 48133 98220 41359 58310 86475
 50996 72436 47109 34818 96901 82515 27048 56151 54890 937 44 00000] 1742z S6 M8 SUN [Start 1730z ?]

23/01 1730z '480' 256 41 67421 97700 61483 28452 43208 78646 87173 43262 04309 **72604 46472 76509 47464 91755 34140 31170 87099 87476**
 50135 **80378** 36926 77384 32258 43795 81190 22191 26184 16869 81013 09636 **72604** 93390 **46472 76509 47464 91755**
34140 31170 87099 87476 80378 256 41 00000 (repeated groups in bold text)

28/01 1730z '480' 317 42 61188 95389 50048 29275 46166 33523 55941 82452 21223 19101 00621 22894 94543 02359 17202 33903 47724 14863
 70931 67461 57923 15689 38290 64137 99288 71561 84703 48826 40681 18838 50440 33147 78759 64791 17214 63791
 24926 19009 37644 43254 06973 93248 317 42 00000] 1742z S9 Malc SUN

30/01 1730z '480' 629 43 99625 71339 69531 12708 92028 19160 26665 57696 44576 21605 38872 29052 63405 34848 23128 89060 02032 01790
 18411 66539 89817 46338 62102 37817 46338 63102 37871 29829 19860 90023 39302 58963 10418 **46472 76509 47464**
91755 34140 31170 87099 87476 74804 95315 02521 55044 77254 629 43 00000] 1742z S7 Malc TUE

8116khz
 28/01 1000z '480' 629 43 99625 71339 69531 12708 92028 19160 26665 57696 44576 21605 38872 29052 63405 34848 23128 89060 02032 01790
 18411 66539 89817 46338 62102 37817 46338 63102 37871 29829 19860 90023 39302 58963 10418 **46472 76509 47464**
91755 34140 31170 87099 87476 74804 95315 02521 55044 77254 629 43 00000] 1742z S7 Ed Smith TUE

Bold type – Repeated groups

S06c
 No reports

S06s January log:

Monday
 1st/8th 0830/0840z 8057/8530 '371' 462 5 44820 46186 83893 45684 87723
 15th/22nd '371' 896 5 32086 15283 73005 88341 38382
 1st/8th 0900/0910z 14675/12830 '872' 463 5 46685 85750 43736 32164 17431
 15th/22nd '872' 519 6 56072 10471 11141 84895 96075 81620
 1st/8th 1300/1310z 8420/10635 '831' 295 6 80533 46826 83077 91559 33577 84890
 15th/22nd '831' 950 6 07393 53148 98851 40082 58672 07660

Tuesday
 2nd/9th 0600/0610z 16145/142409 '438' 269 5 44107 46833 25684 83514 42334
 16th/23rd '438' 972 5 11647 67208 09123 18495 71851
 2nd/9th 0700/0715z 5250/6320 '374' 529 6 98870 47230 90367 46436 58091 39006
 16th/23rd '374' 526 8 99742 10854 67420 86230 20840 86566 32828 32244
 2nd/9th 0730/0740z 7410/11532 '427' 863 5 33699 39998 30667 35947 83964

16th/23rd			'427' 950 6 86339 99811 38633 33885 34079 32190
2nd/9th	0800/0810z	11945/13195	'352' 801 6 35861 33432 89319 32494 37142 32842
16th/23rd			'352' 897 6 42191 30821 33725 37661 30885 49334
7th/13th	1000/1010z	6440/5660	'893' 407 5 37218 30443 35801 32940 43079
16th/23rd			'893' 547 6 34559 45369 43003 52322 36541 46543
2nd/9th	1100/1110z	5035/5975	'754' 293 6 40244 36012 38323 47552 43630 40846
16th/23rd			'754' 823 6 35390 88913 95577 33198 44591 37953
2nd/9th	1500/1510z	6845/9170	'537' 921 6 38453 48323 33885 31830 34645 38914
16th/23rd			'537' 419 6 49002 32571 33313 40597 91430 40489

Wednesday

3rd/10th	0820/0830z	8417/9262	'471' 269 5 49314 47194 40583 33705 32293
17th/24th			'471' 286 5 34614 48756 91866 20315 30713
3rd/10th	0830/0840z	11535/11830	'745' 910 6 20702 88959 89821 42097 88475 24076
17th/24th			'745' 813 6 51326 41878 48807 28229 33118 80638
3rd/10th	0830/0840z	5035/5975	'464' 218 5 44266 84320 33826 24717 27795
17th/24th			'464' 972 5 58672 72401 87814 53148 07393
3rd/10th	1000/1010z	12365/14280	'729' 480 5 20328 25929 47224 22930 38076
17th/24th			'729' 463 5 31514 23800 35288 85892 44243

Thursday

4th/11th(E17z)	0800/0810z	11170/9820	'674' 893 5 36330 31471 33619 37137 37908
18th/25th			'674' 259 8 46062 68672 97478 39685 30485 96632 52537 53317
4th/11th	0930/0940z	8812/9540	'314' 590 6 49314 47194 40583 33705 32293 44266
18th/25th			'314' 267 5 52401 63919 92699 14600 74248
4th/11th	1200/1210z	12155/10920	'425' 983 6 45724 39590 94619 33023 33902 47988
18th/25th			'425' 890 6 88620 58069 61732 74537 57440 10598

Friday

5th/12th	0900/0910z	5765/6315	'624' 971 5 46493 33984 30837 83476 43890
19th/26th			'624' 931 5 03593 34746 34315 32217 47490
5th/12th	0930/0940z	11780/12570	'516' 940 7 35415 40864 38771 39943 40136 35073 40262
19th/26th			'516' 927 8 84780 43814 45330 40293 44460 34814 36147 61289

Saturday

6th	0800/0810z	8680/8260	'254' 973 6 54990 38921 78229 02025 87291 33661
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Sunday

7th/14th	0630/0640z	13470/16515	'524' 873 6 32314 34896 82738 36376 35685 95693
21st/28th			'524' 807 6 35883 43894 35315 39437 31356 43293

S06 log February 2018

Daily Mon- Fri 0400z 15721kHz

Thursdays (Repeats following day) 0830z 17450kHz 0930z 15614kHz

01/02	'842' 507 38 55789 96138 98235 51550 Too weak to copy
08/02	'842' 167 39 21573 88364 67058 89202 93311 55941 80117 84190 85781 51147 46488 98121 17654 80880 43406 05903 82198 80125 63937 38570 38080 34657 74227 88257 27975 42894 66550 92176 92215 52760 87833 94035 69638 35176 48378 06343 02825 78019 40424 167 39 00000
15/02	'842' 359 40 65904.....31871 359 40 00000] 0942z

Fridays (1st & 3rd) 1900z 7523khz 2000z 5305kHz (frequencies may vary slightly)

02/02	'483' 00000
16/02	'483' 00000

Saturdays (1st/3rd) 2000z 3897kHz 2100z 3317kHz (frequencies may vary slightly)

17/02	'263' 00000
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Other transmissions

06/02	'480' 269 41 77479 03752 62892 95901 70394 16432 54239 60685 45440 93446 16377 82115 50637 57420 10276 03243 48730 41612 13948 73415 55663 25581 77890 31175 47907 42842 41314 59321 99407 13073 89496 01428 13748 38932 10875 44775 21692 07355 01994 73310 61447 269 41 00000								RNGB, Ed Smith	TUE
11/02	'480' 137 44 64950 21574 35374 12960 46909 92803 54055 87610 92227 73725 26084 47466 34377 10233 10401 79513 57755 49501 13643 28472 84385 02233 32666 02585 01921 66086 88729 54680 04965 79335 25984 41166 70541 92449 13303 85017 16590 36384 51092 13958 72436 47109 34818 96901 137 44 00000] 1012z S6 (No ending zeros sent on afternoon tx)								Malc	SUN
13/02	'480' 526 44 52066 01630 66200 57401 84853 00773 88198 03406 11905 45671 09335 66502 84676 22763 63948 34769 95824 79412 98651 94441 68080 27822 77305 23843 95883 08867 73626 67677 92924 75241 15470 32175 64478 75710 14096 73995 85328 87650 23576 55716 55206 60429 13963 73321 526 44 00000] 1012z S9								Malc, Ed Smith	TUE
18/02	'480' 793 40 60191 55235 55110 92008 10140 45365 59541 89197 92539 64453 29592 99312 05121 16999 77299 80729 51842 18973 30942 57563									

18917 65670 07835 69607 16737 44924 20307 49406 37855 77934 68300 25052 97700 01827 19382 93471 31816 00691 33721 03136
793 40 00000] 1011z S5 Malc SUN

20/02 '480' 652 40 25259.....35975 652 40 00000] 1011z S2 Malc TUE

25/02 '480' 371 44 78430.....43371 371 44 00000] 1012z S2 Malc SUN

27/02 '480' 962 45 26968 41395 63128 96786 40981 20337 35927 48027 34648 30416 98984 84605 62433 92695 18405 48811 46057 69549 98345 46084
51275 56631 32823 01662 61147 39116 81816 88102 52005 49441 82278 69397 10380 76271 14863 88731 73774 73536 63766 95243
28064 45881 72465 94685 14422 962 45 00000 (Complete shambles of a sending at 1000z- a few restarts needed) RRGB, Ary

0931z (In progress) 8095kHz

06/02 '343' 189 20 94051 98593 02671 91033 03513 98189 52618 53260 40291 26205 92904 53682 27103 32529 29488 79685 63855 06507 33197 80891
00000] 0938z (No repeats found) Thanks to Ed Smith SDR Enschede. TUE

S06c

21/02 **18749kHz** 1020z '11087' (R4m)] 1024z Strong Danix WED
21/02 **16123kHz** 1030z '11087' (R4m)] 1034z Very strong Danix WED

S06s February log:

Monday

5th/12th 0830/0840z 8057/8530 '371' 590 6 43299 33666 38826 82999 47294 73579
19th/26th '371' 528 6 35415 43943 43500 04711 97964 01368
5th/12th 0900/0910z 14675/12830 '872' 534 6 90434 34037 43334 43758 49485 49400
19th/26th '872' 563 9 98539 43324 98306 33149 07660 58672 72400 87815 53148
5th/12th 1300/1310z 8420/10635 '831' 957 6 15690 85544 34558 49232 43249 33666
19th/26th '831' 560 7 61633 47776 74162 13534 66468 35655 85341

Tuesday

6th/13th 0600/0610z 16145/142409 '438' 950 6 47272 46308 46945 34932 33590 88913
20th/27th '438' 265 7 49349 44761 46908 59594 31551 36730 34408
6th/13th 0700/0715z 5250/6320 '374' 580 6 92959 46195 32087 84535 38618 32347
20th/27th '374' 506 8 31514 23800 35288 85892 44243 45599 39495 43234
6th/13th 0730/0740z 7410/11532 '427' 936 5 90434 34037 43334 43758 49485
20th/27th '427' 513 6 33836 34717 84320 37795 38868 83332
6th/13th 0800/0810z 11945/13195 '352' 908 6 44780 44837 30694 39984 43478 33430
20th/27th '352' 941 6 31283 40262 83558 44938 32567 47907
6th/13th 1000/1010z 6440/5660 '893' 475 6 47840 14987 37986 36379 31366 44684
20th/27th '893' 507 6 74663 96854 50941 58131 68342 18687
6th/13th 1100/1110z 5035/5975 '754' 902 6 45330 41293 44460 93068 41916 39297
20th/27th '754' 820 6 32514 23800 25288 85892 44243 44488
6th/13th 1500/1510z 6845/9170 '537' 928 6 37532 34023 32175 48654 89844 43198
20th/27th '537' 918 6 93351 42191 30821 33725 37661 30885

Wednesday

7th/14th 0820/0830z 8417/9262 '471' 526 8 24317 68577 86237 76652 18206 83390 64021 75751
21st/28th '471' 590 6 37661 30885 48702 38344 49334 85371
7th/14th 0830/0840z 11535/11830 '745' 236 8 98539 43324 98306 33149 07660 58672 72400 67452
21st/28th '745' 290 6 47272 46308 46945 43932 33590 88913
7th/14th 0830/0840z 7064/10532 '464' 235 7 35417 43943 43500 04711 97964 01368 81379
21st/28th '464' 832 5 30593 34746 34315 32217 47490
7th/14th 1000/1010z 12365/14280 '729' 804 5 23375 56927 69640 67379 51606
21st/28th '729' 460 5 38922 46553 43814 45330 40293

Thursday

1st/8th (E17z) 0800/0810z 11170/9820 '674' 982 5 30702 88959 89831 42097 88475
15th/22nd '674' 210 5 35861 33432 89319 32494 85642
1st/8th 0930/0940z 8812/9540 '314' 890 5 38922 46553 43814 45330 40293
15th/22nd '314' 296 5 40244 36012 38323 47552 43630
1st/8th 1200/1210z 12155/10920 '425' 930 6 15690 85544 34558 49232 43249 33666
15th/22nd '425' 801 6 44755 16330 88418 30480 88650 34303

Friday

2nd/9th 0900/0910z 5765/6315 '624' 907 5 36330 31471 33619 37137 37908
16th/23rd '624' 983 5 94372 34067 47332 35803 49980
2nd/9th 0930/0940z 11780/12570 '516' 834 7 33725 37661 30885 48702 38344 94322 85371
16th/23rd '516' 984 7 44220 83461 37596 41014 95384 33983 80343

Saturday

3rd 0800/0810z 8680/8260 '254' 907 6 46062 68672 97478 39685 30485 96632

Sunday

4th/11th 0630/0640z 13470/16515 '524' No reports
18th/25th '524' No reports

PoSW's analytical log S06 and S06s

S06. OM Voice:-

First + Third Fridays in the Month 2000 + 2100 UTC or 1900 + 2000 UTC Schedule:-

5-Jan-18:- 2002 UTC, 7523 kHz, found about two minutes into the transmission, weak signal but clear copy in USB mode, "483 483 483 00000".
2102 UTC, 5305 kHz, second sending, much stronger signal, peaking S9, also found about two minutes in, somewhat lower in frequency than expected, thought it might be somewhere around 5500 to 5800 kHz; wrong again, then!

19-Jan-18:- 2000 UTC, 7523 kHz, "483 483 483 00000", S8 to S9, stronger signal than last time.

2100 UTC, 5305 kHz, second sending, over S9 at times.

As is the custom with this schedule, for reasons which are not at all clear, it shifted back by one hour in February:-

2-Feb-18:- 2000 UTC, 5305 kHz, "483 483 483 00000", tuned up to the frequency used by the second sending when nothing found on 7523, the expected frequency for the first sending, which no doubt would have been on at 1900z.

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

20-Jan-18:- 2000 UTC, 3897 kHz, "263 263 263 00000", over S9 with QSB. The only other regular S06 schedule heard in the UK evening time has also survived into the New Year.

Carrier with tone noted whilst tuning around at approx 1952z, single spoken "263" shortly after.

2100 UTC, 3317 kHz, second sending, also over S9 for most of the time, surprisingly strong, enough to over-ride local QRM.

3-Feb-18:- 2000 UTC, 3897 kHz, "263 263 263 00000", S9 with QSB.

2100 UTC, 3317 kHz, S7 to S8.

S06s YL Voice:-

A selection of those S06s schedules heard with reasonable signal strengths in the UK:-

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

1-Jan-18:- 0830 UTC, 8057 kHz, DK/GC "462 462 5 5", "44820 46186 83893 45684 87723", not too strong, S5 or so.
0840 UTC, 8530 kHz, second sending, stronger, S7.

29-Jan-18:- 0830 UTC, 8057 kHz, "371 371 371 00000", end of the month "no message" routine, weak signal.

0839 UTC - and ten seconds - second sending of a "no message" starts about one minute early for some reason, 8530 kHz. Much stronger signal, S7 to S8.

5-Feb-18:- 0830 UTC, 8057 kHz, very weak signal, largely unreadable.

0841 UTC, after, started late, 8530 kHz, better signal, DK/GC "590 590 6 6", "43249 33666 38826 82999 47294 73579".

19-Feb-18:- 0840 UTC, 8530 kHz, missed 0830z sending, DK/GC "528 528 6 6", S7 to S8, "35415 43943 43500 04711 97964 01368".

Tuesday 0730 + 0740 UTC Schedule. Call "427":-

2-Jan-18:- 0730 UTC, 7410 kHz, DK/GC "863 863 5 5", over S9, "33699 39998 30667 35947 83964".
0740 UTC, 11532 kHz, second sending, S9+, very strong signal.

23-Jan-18:- 0730 UTC, 7410 kHz, DK/GC "950 950 6 6", over S9, "86339 99811 38633 33885 34079 32190".
0740 UTC, 11532 kHz, S9+.

6-Feb-18:- 0730 UTC, 7410 kHz, DK/GC "936 936 5 5", "90434 34037 43334 43758 49485", S5 at best.
0740 UTC, 11532 kHz, weak signal.

20-Feb-18:- 0730 UTC, 7410 kHz, DK/GC "513 513 6 6", "33836 34717 84320 37795 38868 83332".
0740 UTC, 11532 kHz, both transmissions S6.

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

2-Jan-18:- 0800 UTC, 11945 kHz, DK/GC "801 801 6 6", "35861 33432 89319 32494 37142 32842", signal up and down.
0810 UTC, 13195 kHz, S6 to S7.

23-Jan-18:- 0800 UTC, 11945 kHz, DK/GC "897 897 6 6", "42191 30821 33725 37661 30885 49334", S8 to S9.
0810 UTC, 13195 kHz, slightly weaker signal.

6-Feb-18:- 0800 UTC, 11945 kHz, started off a reasonable S7 but rapidly sank into the noise by 0804z.
0810 UTC, 13195 kHz, much stronger, S7 to S8 throughout, DK/GC "908 908 6 6", "44780 44837 30694 39984 43478 33430".

20-Feb-18:- 0800 UTC, 11495 kHz, "941 941 6 6", signal down to S5 and up to over S9, "31283 40262 83558 44938 32567 47907".
0810 UTC, 13195 kHz, second sending, weaker signal.

Wednesday 0820 + 0830 UTC Schedule. Call "471":-

10-Jan-18:- 0820 UTC, 8417 kHz, DK/GC "269 269 5 5", "49314 47194 40583 33705 32293", S7 to S9.

0830 UTC, 9262 kHz, second sending, weaker.

31-Jan-18:- 0820 UTC, 8417 kHz, "471 471 471 00000", fifth Wednesday in this month so "no message", weak signal. Second sending on 9262 too weak to copy.

Wednesday 0830 + 0840 UTC Schedule, Call "745":-

3-Jan-18:- 0830 UTC, 11535 kHz, DK/GC "910 910 6 6", "20702 88959 89821 42097 88475 24076".
0840 UTC, 11830 kHz, second sending, both transmissions indicating S7 to S8.

10-Jan-18:- 0830 UTC, 11535 kHz, "910 910 6 6", 5Fs as last time, S9 signal.
0840 UTC, 11830 kHz, also S9.

24-Jan-18:- 0830 UTC, 11535 kHz, DK/GC "813 813 6 6", S8 to S9, "51326 41878 28229 33118 80638".
0840 UTC, 11830 kHz, over S9.

31-Jan-18:- 0830 UTC, 11535 kHz, "745 745 745 00000", wide variations in signal strength,
S9 to barely readable.
0839 UTC, 11830 kHz, end of month "no message" so an early start for the second sending, S8 with QSB.

7-Feb-18:- 0830 UTC, 11535 kHz, DK/GC "236 236 8 8", "98539 43324 98306 33149 07660 58672 72400 67452", eight 5Fs one of the higher
group counts likely to heard on an S06s transmission, over S9.
0840 UTC, 11830 kHz, also over S9.

21-Feb-18:- 0830 UTC, 11535 kHz, DK/GC "290 290 6 6", "47272 46308 46945 43932 33590 88913", S7 at first, came up to over S9.
0840 UTC, 11830 kHz, S9 signal.

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

3-Jan-18:- 1000 UTC, 12365 kHz, DK/GC "480 480 5 5", S7 to S8, "20328 25929 47224 22930 38076".
1010 UTC, 14280 kHz, second sending, slightly weaker signal.

10-Jan-18:- 1000 UTC, 12365 kHz, "480 480 5 5" and 5Fs as on the 3rd, S9+ signal.
1010 UTC, 14280 kHz, also S9+.

7-Feb-18:- 1000 UTC, 12365 kHz, DK/GC "804 804 5 5", "23375 56927 69640 67379 51606", S6 to S7.
1010 UTC, 14280 kHz, over S9.

Friday 0900 UTC + 0910 UTC Schedule, Call "624":-

12-Jan-18:- 0900 UTC, 5765 kHz, DK/GC "971 971 5 5", weak signal, "46493 33984 30837 83476 43890".
0910 UTC, 6315 kHz, second sending, slightly stronger signal but only indicating S4 to S5 at best.

26-Jan-18:- 0900 UTC, 5765 kHz, DK/GC "931 931 5 5", "03593 34746 34315 32217 47490", S5.
0910 UTC, 6315 kHz, slightly stronger signal.

9-Feb-18:- 0900 UTC, 5765 kHz, DK/GC "907 907 5 5", weak signal, difficult copy.
0910 UTC, 6315 kHz, stronger – slightly, "36330 31471 33619 37137 37908" all "query", not too clear at times.

23-Feb-18:- 0900 UTC, 5765 kHz, DK/GC "983 983 5 5", "94372 34067 47332 35803 49980".
0910 UTC, 6315 kHz, both transmissions stronger signals than usual, S6 to S7.

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

5-Jan-18:- 0930 UTC, 11780 kHz, DK/GC "940 940 7 7", "35415 40864 38771 39943 40136 35073 40262".
0940 UTC, 12570 kHz, second sending, both transmissions well over S9.

12-Jan-18:- 0930 UTC, 11780 kHz, "940 940 7 7", 5Fs as on 5-Jan, S9+, very strong.
0940 UTC, 12570 kHz, also S9+.

26-Jan-18:- 0930 UTC, 11780 kHz, DK/GC "927 927 8 8", "84780 43814 45330 40293 44460 34814 36147 61289", S9+.
0940 UTC, 12570 kHz, S9+.

2-Feb-18:- 0930 UTC, 11780 kHz, DK/GC "834 834 7 7", "33725 37661 30885 48702 38344 94322 85371", over S9.
0940 UTC, 12570 kHz, second sending, S9+.

23-Feb-18:- 0930 UTC, 11780 kHz, DK/GC "984 984 7 7", S9+ signal, "44220 83461 37596 41014 95384 33983 80343".
0940 UTC, 12570 kHz, over S9.

First Saturday in the Month 0800 + 0810 UTC Schedule, Call "254":-

6-Jan-18:- 0800 UTC, 8680 kHz, DK/GC "973 973 6 6", "54990 38921 78229 02025 87291
33661".
0810 UTC, 8260 kHz, second sending, both S7.

3-Feb-18:- 0800 UTC, 8680 kHz, DK/GC "907 907 6 6", "46062 68672 97478 39685 30485 96632", strength around S7.
0810:30s UTC, started a bit later than the usual ten or fifteen seconds, 8260 kHz, peaking S9 with QSB.

S11a log Jan/Feb

5082kHz	2050z	03/01 [485/00] Strong	RNGB	WED
	2050z	07/01 [486/00] Konyetz 2053z S9	Malc	SUN
	2050z	10/01 [485/00] Konyetz 2053z S5	Malc	WED
	2050z	14/01 [482/00] Konyetz 2053z S9	Malc	SUN
	2050z	17/01 [483/40 49438.....25202] Konyetz 2107z S5 (Dutch SDR)	Malc	WED
	2050z	21/01 [483/40 49438.....etc] Repeat of Wednesday	Malc	SUN
	2050z	24/01 [486/00] Konyetz 1953z S7	Malc	WED
	2050z	28/01 [486/00] Konyetz 2053z S6	Malc	SUN
	2050z	31/01 [481/00] Konyetz 2053z S7	Malc	WED
	2050z	04/02 [482/002] Konyetz 053z S3	Malc	SUN
	2050z	07/02 [487/00] Konyetz 2053z S6	Malc	WED
	2050z	11/02 [482/00] Konyetz 2053z S9	Malc	SUN
	2050z	14/02 [482/35 63857.....79819] Konyetz 2101z S3	Malc	WED
	2050z	18/02 [482/35 63857.....etc] Repeat of Wednesday	Malc	SUN
	2050z	25/02 [483/00] Konyetz 2053z S5	Malc	SUN
	2050z	28/02 [486/002] Konyetz 2053z S5	Malc	WED
5815kHz	1955z	03/01 [377/00] Konyetz 1958z S7	Malc	WED
	1955z	10/01 [370/00] Konyetz 1958z S3	Malc	WED
	1955z	12/01 [376/00] Konyetz 1958z S5	Malc	FRI
	1955z	17/01 [371/40 83992.....52259] Konyetz 2007z S3 (Dutch SDR)	Malc	WED
	1955z	19/01 [371/40 83992.....etc] Repeat of Wednesday	Malc	FRI
	1955z	24/01 [372/00] Konyetz 1958z S5	Malc	WED
	1955z	26/01 [378/00] Konyetz 1958z S2	Malc	FRI
	1955z	31/01 [378/00] Konyetz 1958z S9	Malc	WED
	1955z	02/02[377/00]	E	
	1955z	07/02 [376/001] Konyetz 1958z S9+10	Malc	WED
	1955z	09/02 [370/00] Konyetz 1958z S9	Malc	FRI
	1955z	14/02 [371/00] Konyetz 1958z S9+10	Malc	WED
	1955z	16/02 [376/00] Konyetz 1958z S9+10	Malc	FRI
	1955z	21/02 [378/40 71572.....65110] Konyetz 2008z S9+10	Malc	WED
	1955z	23/02 [378/40 71572.....etc] Repeat of Wednesday	Malc	FRI
	1955z	28/02 [376/00] Konyetz 1958z S9+10	Malc	WED
7840kHz	1020z	05/01 [425/00] Konyetz 1023z S2	Malc	FRI
	1020z	09/01 [427/00] Konyetz 1023z S5	Malc	TUE
	1020z	12/01 [421/00] Konyetz 1023z S4	Malc, RNGB	FRI
	1020z	16/01 [421/30 02900.....93822] Konyetz 1030z S2	Malc	TUE
	1020z	19/01 [421/30 02900 32126 73952 41086 88192 40179 47319 33030.....80063 93822]	RNGB	FRI
	1020z	26/01 [426/00] Konyetz 1023z S3	Malc	FRI
	1020z	30/01 [421/00] Konyetz 1023z S5	Malc	TUE
	1020z	06/02 [422/00] Konyetz 1023z S3	Malc	TUE
	1020z	09/02 [424/00] Konyetz 1023z S3	Malc	FRI
	1020z	13/02 [426/32 99295.....23997] Konyetz 1030z S3	Malc	TUE
	1020z	16/02 [426/32 99295.....etc] Repeat of Tuesday	Malc	FRI
	1020z	20/02 [426/00] Konyetz 1023z S3	Malc	TUE
	1020z	23/02 [420/00] Konyetz 1023z S3	Malc	FRI
10246kHz	0735z	11/01 [384/00] Good	RNGB	THU
	0735z	16/01 [379/00] Weak	RNGB	TUE
	0735z	06/02 [389/00] Strong	RNGB	TUE
	0735z	20/02 [389/39 40456.....95789] Konyetz 0746z	Malc	TUE
	0735z	22/02 [38?/? 40456.....9579] Konyetz 0747z S4	Malc	THU
	0735z	27/02 [383/00] Konyetz 0738z S3	Malc	TUE
10728kHz	1540z	03/01 [564/00] Konyetz 1543z Strong	RNGB, Malc	WED
	1540z	06/01 [566/00] Konyetz 1543z S2	Malc	SAT
	1540z	10/01 [560/00] Konyetz 1543z S2	Malc	WED
	1540z	13/01 [565/00] Konyetz 1543z S5	Malc	SAT
	1540z	17/01 [560/34 48858.....55241] Konyetz 1551z S4	Malc	WED
	1540z	20/01 [560/34 48858.....etc] Repeat of Wednesday	Malc	SAT
	1540z	24/01 [563/00] Konyetz 1543z S2 (Dutch SDR)	Malc	WED
	1540z	27/01 [565/00] Konyetz1543z S7	Malc	SAT
	1540z	31/01 [566/00] Konyetz 1543z S3	Malc	WED
	1540z	02/02[5?3/00] Under QRM	E	SAT
	1540z	07/02 [561/00] Konyetz 1543z S6	Malc	WED
	1540z	10/02 [560/00] Konyetz 1543z S8	Malc	SAT
	1540z	17/02 [567/001] Konyetz 1543z S5	Malc	SAT
	1540z	21/02 [564/32 80385.....80382] Konyetz 1551z S9	Malc	WED

1540z	24/02 [564/32 80385.....etc]	Repeat of Wednesday	Malc	SAT	
1540z	28/02 [564/00]	Konyetz 1543z S6	Malc	WED	
11486kHz	1850z	03/01 [286/00]	Konyetz 1853z S2	Malc	WED
	1850z	13/01 [282/00]	Konyetz 1853z S2	Malc	SAT
	1850z	31/01 [283/00]	Konyetz 1853z S2	Malc	WED
	1850z	03/02 [285/00]		E	SAT
	1850z	21/02 [286/00]	Konyetz 1853z S2	Malc	WED
	1850z	28/02 [280/00]	Konyetz 1853z S3	Malc	WED
11559kHz	1015z	01/01 [472/00]	Konyetz 1018z S5	Malc	MON
	1015z	04/01 [470/00]	Konyetz 1018z S3	Malc	THU
	1015z	08/01 [471/00]	Konyetz 1018z S7	Malc	MON
	1015z	11/01 [472/00]	Konyetz 1023z S5	Malc	THU
	1015z	15/01 [478/35 80612.....75852]	Konyetz 1030z S5	Malc	MON
	1015z	22/01 [475/00]	Konyetz 1018z S7	Malc	MON
	1015z	25/01 [472/00]	Konyetz 1018z S3	Malc	THU
	1015z	29/02 [472/00]		RNGB	MON

V02 a

V02a put in a couple of appearances one at the beginning of January and one at the beginning of February, the transmission on 6/2 was barely audible.

Logs

V02a 7554kHz 2000z 2/1 [A41542 54071 67312] TUE

V02a 7554kHz 2000z 6/2 Extremely weak, could make out Attention! and possibly 667-1 and --731 TUE

V07

Sunday

January 2018

0100z 18174kHz 0120z 15874kHz 0140z 14374kHz

21/01 183 1 8205 65 67615 44694 ... 93095 26636 000 000 Weak

183 1 8205 65
67615 44694 74072 86440 49982
14408 25198 81320 00373 76789
47375 73719 50330 64952 57263
81274 12513 98430 72439 97907
24847 30261 05681 26264 63675
77653 13752 18544 33176 06958
72070 57196 52018 24048 77139
08714 15231 97956 09253 76543
95705 35965 92570 76804 80427
85042 14811 59404 49064 17845
51606 40951 77755 72426 46836
78649 60824 91660 37374 49150
59504 63356 15026 93095 26636
000 000 *Courtesy DanAr*

28/01 183 000 Weak

February 2018

04/02 183 1 8116 53 00262 77433 ...29972 00271000 000 Weak

183 1 8116 53
00262 77433 76825 68612 67956
89765 82926 32660 10152 69654
10406 62824 81783 14941 10730
69312 77900 00661 31616 35831
61565 55893 85360 81718 97096
23453 00545 59098 18832 03373
75155 48309 82214 14053 93163
29391 59146 04970 88856 92915
41336 04527 37527 52761 58411
97511 50133 71890 17531 58051
93450 29972 00271 000 000
Courtesy DanAr

11/02 183 000 Weak

18/02 Unworkable, weak and noisy

25/02 183 000 Weak

V15 North Korean Intelligence via Radio Pyongyang

657, 3250, 3320, 6400kHz Ary SAT

1515z 06/01
North Korean intelligence via Radio Pyongyang. Messages in Korean

Recording: <http://www.numbersoddities.nl/V15-2018-0106-1515utc.mp3>

3320//6400kHz Ary SAT

1515z 20/01
North Korean intelligence via Radio Pyongyang (Voice of Korea)

<http://www.numbersoddities.nl/V15-2018-01-20-1515utc-6400khz.mp3>

[via Daniel: These broadcasts don't take place on Voice of Korea. They take place on the domestically-aimed state broadcaster, PBS Pyongyang Pansong

Ary ... Audible in Netherlands – strong for domestic transmissions.]

3320//6400kHz Ary THU

1615z 25/01 AM
North Korean intelligence via PBS Pyongyang Pansong. Messages in Korean

Recording: <http://www.numbersoddities.nl/V15-2018-01-25-1615utc-3320khz.mp3>

V26

4243kHz0019z	02/01/18[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner South Korea)]	JPL	MON
4243kHz2353z	08/01/18[(From M95 sked - USB - Chinese - Female - // 9054) (Remote tuner China)]	JPL	MON
4243kHz1205z	17/01/18[(From M95 sked - USB - Chinese - Female - // N/H) (Remote tuner Japan)]	JPL	WED

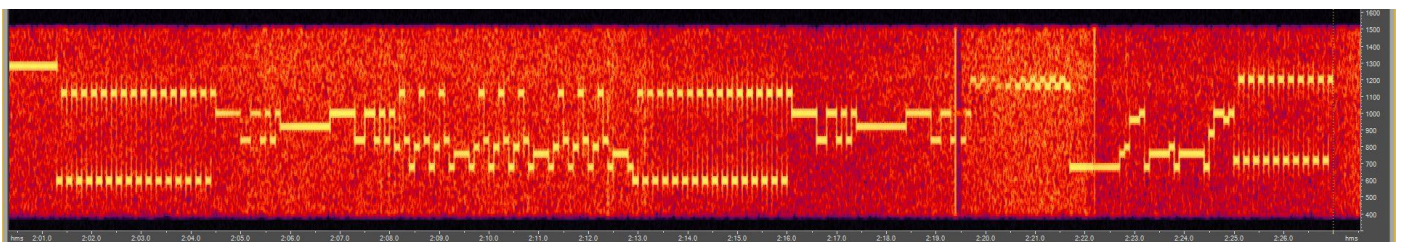
4364kHz0020z	09/01/18[XSV85 (From M95 sked - USB - Chinese - Male - // 8073) (Remote tuner China)]	JPL	TUE
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8073kHz0020z	09/01/18[XSV85 (From M95 sked - USB - Chinese - Male - // 4364) (Remote tuner China)]	JPL	TUE
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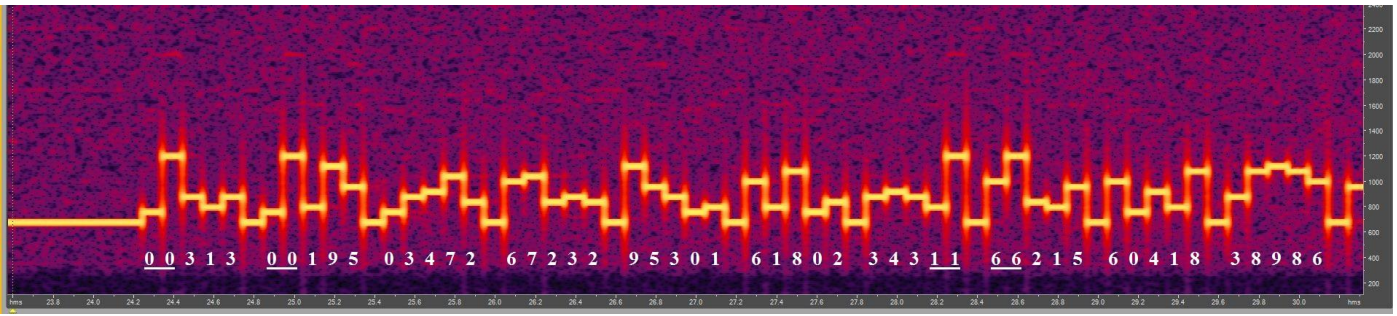
9054kHz0019z	02/01/18[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner South Korea)]	JPL	MON
9054kHz2353z	08/01/18[(From M95 sked - USB - Chinese - Female - // 4243) (Remote tuner China)]	JPL	MON

Polytones

XPA c



9108kHz 0700z 10/01 192 000 01556 00001 00000 ... 36656 Illustrating use of long tones



9108kHz 0700z 24/01 See full message.
 Elongated/long tones not used on repeating figures suggesting trend with Null messages on certain schedules is experimental?

Monday/Wednesday

January 2018

0700z	9108kHz	0720z	10908kHz	0740z	12208kHz	
01/01	192 000 08162 00001 00000 ... 32666*				[0700/0720z VDSLQRM3]	Fair
					Note change in end and use of long tones to produce repeats. See En104 for detail	
03/01	192 000 07086 00001 00000 ... 34267				[0740z Unworkable]	Fair
08/01	192 000 02259 00001 00000 ... 36657					Fair
10/01	192 000 01556 00001 00000 ... 36656					Fair
15/01	192 000 07762 00001 00000 ... 35665				[0700z Unworkable]	Weak
17/01	192 000 02677 00001 00000 ... 37666					Weak, very noisy
22/01	192 1 00313 00195 03472 ... 15166					Weak
24/01	192 1 00313 00195 03472 ... 15166					Weak

192 192 192 1 192 192 192 1 192 192 192 1 192 192 192 1
 4444444444
 00313 00195 03472 67232 95301 61802 34311 66215 60418 38986
 59145 52744 56282 94890 22547 48950 67318 63937 35484 85999
 77545 74303 99372 04353 88461 09941 91771 98910 09872 90129
 36228 91733 77675 49485 76201 80489 00435 34051 41110 05896
 06188 59096 55444 46683 88926 41106 08589 95152 34447 54175
 30135 82637 91843 78886 07695 02267 45540 29311 20445 22441
 63128 26708 18211 65514
 18717 84655 29730 68717 51065 80533 62087 49811 40346 55823
 33301 71768 03417 14493 24657 93882 68122 38528 21730 79298
 01759 69026 54967 47900 36120 80223 38473 12004 08353 89731
 24512 39101 37914 05387 12413 62195 65613 66710 94631 32174
 98431 96555 52065 22676 75819 73869 47382 15979 10776 66766
 32707 16555 26500 09272 75326 20693 94283 22685 56919 19396
 63083 42824 01250 92273
 65329 64470 09009 20975 04488 28654 40994 79938 44727 57258
 95129 00012 50483 82162 85627 65291 64907 25364 25212 35490
 73946 52413 49719 64069 27276 65358 66922 00783 44491 55205
 94863 36016 29214 67395 59206 37417 33392 95586 73494 80667
 43993 00996 49859 39030 74379 46176 82285 52282 96407 90027
 58493 93496 35957 88937 27199 28857 94653 50706 43386 99324
 48186 60084 34838 66505

32847 74929 49189 39456 50898 15166 *Courtesy PLdn*

29/01	192 000 06941 00001 00000 ... 36262					Weak
31/01	192 000 08926 00001 00000 ... 40662					Weak

February 2018

0700z	11409kHz	0720z	13509kHz	0740z	14609kHz	
05/02	456 1 00385 00207 26328 ... 25045					Weak

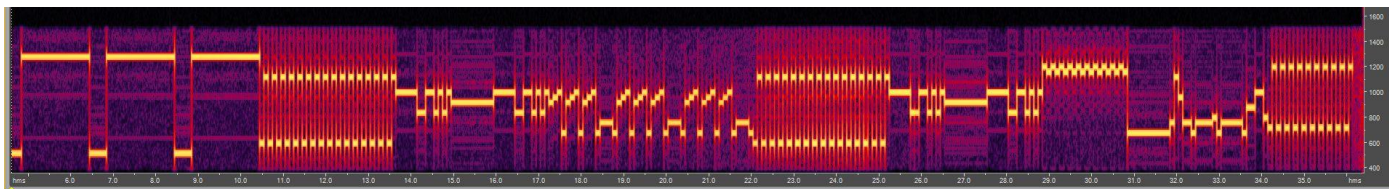
456 456 456 1 456 456 456 1 456 456 456 1
 4444444444
 00385 00207 26328 52821 59677 16613 27973 65697 51593 12884
 15469 15786 39840 34678 22937 18977 68524 59115 40286 34644
 68188 48590 16351 11036 19705 81869 02920 62288 78405 54100
 71361 29180 38672 01982 76532 24117 80985 27284 10741 06586
 76699 08701 22707 86513 55197 64350 14004 68625 82821 88645
 05018 09316 33134 09203 35116 71508 08600 37623 22026 24820
 75251 65944 94036 75507
 51657 84544 84558 66276 14862 18703 55478 51570 91540 68465
 06984 78463 68198 46362 39237 52242 80693 57210 25557 79374
 29218 28911 34166 46401 50810 58314 56049 88317 84760 09454
 92258 83052 90185 77271 86438 41446 30521 01780 43715 51002
 29935 07068 36970 33149 54315 50160 46494 11467 43187 42653
 26765 65300 11287 00792 45714 71150 85793 52333 66062 72660

04601 47982 35140 04437

39523 76355 38241 32847 03074 77692 86561 57312 83196 71601
41415 82754 39135 51061 93925 33316 05400 76952 96319 30888
64897 72341 88797 16973 03330 10195 67601 37723 70865 27812
30580 41399 23368 76249 25832 75985 53244 03465 81677 75912
60678 88840 38540 16576 71733 77166 37466 58328 16913 50974
95876 94351 88327 14882 65725 37025 17690 86835 11009 29281
59594 44436 81867 57084

44563 77730 40307 53840 90287 85492 32297 98714 00402 62906
63871 75584 30391 12429 71025 98996 04295 25045
Courtesy PLdn

07/02 456 1 00385 00207 26328 ... 25045 Weak
12/02 456 000 09500 00001 00000 ... 33661 [0740z Unworkable] Weak



Long tones at 0700z 12/02

14/02 456 000 04033 00001 00000 ... 32657 [0740z Fair] Strong
19/02 456 1 00441 00177 76355 ... 63272 Fair
21/02 456 1 00441 00177 76355 ... 63272 [0740z Weak] Strong
26/02 456 000 01223 00001 00000 ... 33653 [0700/0740z Weak] Strong
28/02 456 000 08102 00001 00000 ... 32660 Fair

XPA2 m

Sunday/Tuesday

January 2018

1300z	16138kHz	1320z	14438kHz	1340z	13438kHz	
02/01	09738 00001 00000 ... 10140				[1300zWeak,QSB3]	Fair
07/01	05707 00001 00000 ... 10140				[1300zQSB3/4]	Fair
09/01	09354 00001 00000 ... 10140				[1300zQSB3/4]	Fair
14/01	06329 00001 00000 ... 10140				[1300z Strong]	Weak
16/01	00690 00099 57755 ... 24266					Strong

00690 00099 57755 32361 23938 52285 35232 40138 21821 64363
56720 13687 75509 51713 20290 27543 87111 27505 02508 89993
81012 39051 90461 01372 47278 90658 08409 61030 37885 17660
35047 58026 30508 98122 63578 99565 13024 90217 45688 75960
36931 11543 21300 70795 92213 63286 68353 37537 37479 88351
47381 53649 92680 80331 31488 36307 96487 78476 86600 30448
63576 96343 96625 77058 82978 55830 66653 06097 60609 64600
35204 16573 54166 94049 98101 00979 12454 88032 25141 45795
54276 57258 83303 64556 46030 40308 38058 28181 92422 24147
40878 94545 38583 94899 72477 06770 73963 88411 22771 57587
72976 24266 *Courtesy Gert*

21/01 00690 00099 57755 ... 24266 [1340z Fair] Very strong
23/01 05649 00001 00000 ... 10140 Strong
28/01 05200 00001 00000 ... 10140 Very strong
30/01 05580 00001 00000 ... 10140 Very strong

February 2018

1500z	16338kHz	1520z	14538kHz	1540z	13538kHz	
04/02	03131 00001 00000 ... 10140				[1500z unworkable]	Fair
06/02	01006 00079 65526 ... 42076					Weak
11/02	01006 00079 65526 ... 42076				[1500z Weak]	Very strong

13/02	06472 00001 00000 ... 34265	[1500z Strong]	Weak
18/02	06301 00001 00000 ... 33256	[1500z Weak]	Strong
20/02	00159 00081 28759 ... 73653	[1500z Strong]	Fair
25/02	00159 00081 28759 ... 73653	[1540z PulseQRM3]	Strong
27/02	05763 00001 00000 ... 36263		Strong

XPA2 p

This station under investigation

XPA2 r

Friday/Saturday

January 2018

1400z	16167kHz	1420z	14663kHz	1440z	13923kHz	
05/01	09274 00001 00000 ... 10140					Weak, QSB3
06/01	07265 00001 00000 ... 10140			[1440zFair]		Weak, QSB3
12/01	00765 00189 53065 ... 22746			[1420z Unworkable, 1440z Weak]		Strong
13/01	00765 00189 53065 ... 22746					Weak
19/01	04401 00001 00000 ... 10140					Weak
20/01	05945 00001 00000 ... 10140					Strong
26/01	08493 00001 00000 ... 10140					Very strong
27/01	08493 00001 00000 ... 10140					Very strong

February 2018

1400z	18667kHz	1420z	17419kHz	1440z	16212kHz	
02/02	02957 00095 54793 ... 46734			[1400z Unworkable]		Fair
03/02	02957 00095 54793 ... 46734			[1400z Weak]		Strong
09/02	08571 00001 00000 ... 34267			[1400z Unworkable]		Strong
10/02	01118 00001 00000 ... 35652					Strong
16/02	09261 00069 96985 ... 37111			[1400z Unworkable]		Fair
17/02	09261 00069 96985 ... 37111			[1400z Unworkable, 1420z FairQSB3]		1440z Very strong
23/02	05929 00001 00000 ... 42257			[1400z Unworkable]		Weak
24/02	Last group only: 44666			[1400/1420z NRH]		Weak, unworkable

XPA2 t

Tuesday/Friday

January 2018

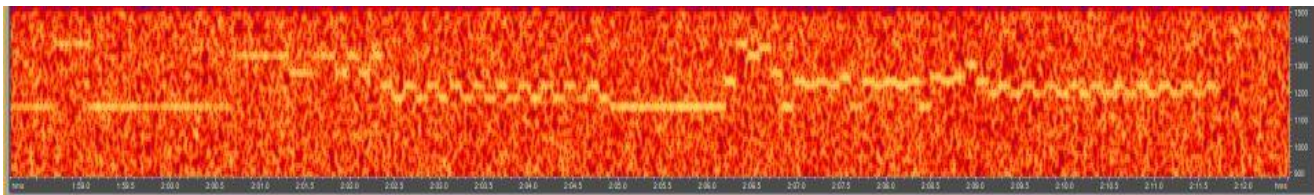
0700z	13472kHz	0720z	14772kHz	0740z	16272kHz	
02/01	09128 00001 00000 ... 10140					Weak
05/01	07013 00001 00000 ... 10140			[0700zUnworkable]		Weak
09/01	04327 00001 00000 ... 10140					Weak
12/01	01874 00001 00000 ... 10140					Weak

16/01	04954 00157 03245 ... 22721	[0720zDataQRM3]	Weak, QSB3
23/01	09965 00001 00000 ... 10140	[0700/0720z QRM3]	Weak
26/01	06312 00001 00000 ... 10140		Weak
30/01	09110 00149 03577 ... 27152		Strong, QSB3

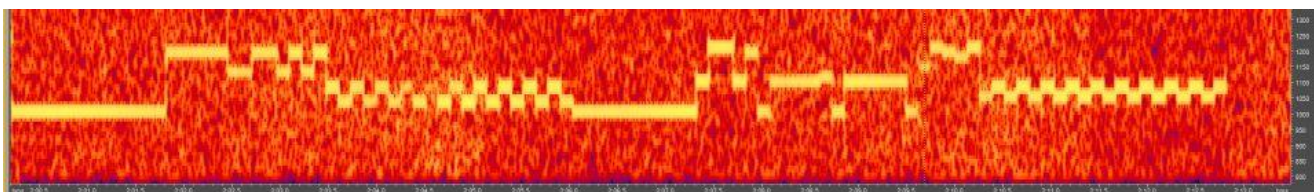
February 2018

0700z	14558kHz	0720z	15958kHz	0740z	17458kHz	
02/02		09110 00149 03577 ... 27152		[0740z Unworkable]		Weak
05/02		09682 00001 00000 ... 10140		See image below		Weak

Transmission of 05/02 used short tones, as seen below:



Transmission of 09/02 used long tones suggesting experimental use of extended tones still under trial, as seen below:



09/02	07706 00001 00000 ... 37657		Weak
13/02	05719 00185 71891 ... 57316		Fair
16/02	05719 00185 71891 ... 57316		Weak
20/02	07077 00001 00000 ... 34666		Weak
23/02	05819 00001 00000 ... 41656		Weak
27/02	06129 00101 99177 ... 06005		Weak

Tones, Hybrids and FSK

X06 Mazielka (1c) logs section

Date	Day UTC	Freq	Scale	Monitor	Comments
20180110	Wed 0848	10814	412356	PoSW	Alert 2 (S9, G97)1 (gone bef. 0853)
20180110	Wed 0855	13369	412356	PoSW	2.2 (gone before 0906)
20180110	Wed 0907	14655	164253	PoSW	S7, G395 (gone before 0915)
20180110	Wed 1159-1203	14560	621543	Peter/UK	G102 (via SDR Enschede/NL)
20180112	Fri 0724-0733	8535	6----	Edd Smith	X06b single tone variant i. p.
20180112	Fri 0836-0848	11530	6-----	PoSW	Again, S9+
20180112	Fri 0850-0940	12625	6-----	Ary/NL,PoSW	Again, very long
20180112	Fri 1109	13575	615243	Antonio/IT	G127
20180115	Mon 1655-1709	9160	532614	Danix/PL	G147
20180116	Tue 0915-0920	14812	246531	Danix	G153
20180116	Tue 0933-0944	13401	154263	Danix	G148
20180117	Wed 0754-0757	13320	1--6--	Ary	X06b
20180117	Wed 1210-1222	17230	1--6--	Ary	X06b i. p.
20180117	Wed 1237-1244	14380	1--6--	Ary	X06b
20180117	Wed 1633-1656	7773	645321	Danix	Alert 2 (G407) 1
20180117	Wed 1656-1707	6877	645321	Danix	2.2
20180118	Thu 0747-0749	12178	645321	Danix	G417 (new group)
20180124	Wed 1703-1704	8194	216-1-	RNGB	X06b i. p. with S9
20180124	Wed 1705	6794	216-1-	RNGB	X06b shortie (few secs), also S9
20180127	Sat 1622-1631	9041	645321	Danix	Alert 4 (G418, new) 1
20180127	Sat 1631-1633	7773	645321	Danix	4.2
20180127	Sat 1633-1637	6877	645321	Danix	4.3
20180127	Sat 1637-1639	5785	645321	Danix	4.4

20180201	Thu	0824-0834	13448	162543	Danix	G39
20180201	Thu	1231-1243	12089	352416	Danix	G43
20180202	Fri	1024	16161	1--6--	Ary	X06b before E07
20180203	Sat	1305	18667	1--6--	Schorschi	X06b before XPA2r with QSA2
20180204	Sun	0631/0634	12112	1--6--	Ary	X06b before E07
20180204	Sun	0632/0635	11112	1--6--	Ary	X06b before E07
20180204	Sun	0633/0635	10112	1--6--	Ary	X06b before E07
20180204	Sun	1411-1412	16338	1--6--	LU5EMM, Schorschi	X06b (8x) before XPA2m with S9 (DE)
20180205	Mon	0759	10161	165324	Philby/US	G1
20180205	Mon	1900	6857	1--6--	Ary	X06b before E07
20180206	Tue	0935-0937	14358	154263	Edd	I. p., G7
20180207	Wed	0805-0807	13838	256341	Ary	I. p., G311
20180207	Wed	1106-1118	13979	215346	Danix	Alert 2 (G25) 1
20180207	Wed	1118-1128	16115	215346	Danix	2.2
20180208	Thu	0700	8094	1--6--	Edd	X06b (last secs)
20180209	Fri	1537/1542	8147	6161--	Ary	X06b before E07a
20180209	Fri	1538/1543	9347	6161--	Ary	X06b before E07a
20180212	Mon	1211-1223	4890	1--6--	Edd	X06b
20180216	Fri	0912-0926	11030	324615	Danix	Alert 2 (G189) 1
20180216	Fri	0938-0946	16219	324615	Danix	2.2
20180216	Fri	0956-1004	12215	361245	Danix	G190
20180218	Sun	0705-0715	14595	452163	Sylvain/FR	G403
20180225	Sun	1420/1423	16338	1--6--	Ary	X06b before XPA2m with S9
20180225	Sun	1429	16338	1--6--	LU5EMM	Again with same signal(1)
20180225	Sun	1430	14538	1--6--	LU5EMM	Fair X06b before XPA2m
20180226	Mon	1246	12177	364152	Edd	Tail end, G73(2)
20180227	Tue	1301-1310	11136	261453	Edd	I. p., R
20180228	Wed	1954	5731	1--6--	Schorschi	X06b (last secs), i. p., fair

- 1) Much stronger than XPA2m
- 2) 66 tone MFSK on 12175 kHz+/-

Thanks Jochen and team

HM01

HM01 continued into the new year unchanged, things seemed to go off a little in February with a combination of very weak signals, missing transmissions on some days and also a few unfortunate recording failures on our end. The callups stagnated around 13/2 and remained the same throughout the rest of the month. In addition the weak signals meant that we were unable to decode any of the file names from late January onwards. On January 17th, 23rd and 24th at 1600z a broadcast station came up before switching to HM01.

Three files were sent with extensions not ending in TXT, these were 50184644.F1C 36311882.F1G 50076142.F1C
As always file names beginning 50 end in F1C and 36 end in F1G.

[Tnx our US Correspondent]

Logs

HM01 11435kHz 1600z 1/1 [82831 01231 52231 18515 86846 82547] New callups positions 1,2 and 3, 82831 = 33218283.TXT, 01231 = 31880123.TXT, 52231 = 08755223.TXT. MON

HM01 11435kHz 1600z 2/1 [82831 01231 52232 18516 86847 82548] TUE

HM01 11435kHz 1600z 3/1 [82832 01232 52233 18517 86848 82549] WED

HM01 11435kHz 1600z 7/1 [82836 01236 52237 22761 18822 45743] New callups since 3/1 22761 = 88212276.TXT, 18822 = 36311882.F1G, 45743 = 67254574.TXT. SUN

HM01 11435kHz 1600z 8/1 [82837 01237 46441 22762 18823 45744] New callup position 3, 46441 = 50184644.F1C. MON

HM01 11435kHz 1600z 9/1 Present but too weak to copy. TUE

HM01 11435kHz 1600z 10/1 [73481 01239 46442 22764 18825 45746] New callup position 1, 73481 = 01627348.TXT. WED

HM01 11435kHz 1600z 11/1 [73481 24681 46443 22765 18826 45747] New callup position 2, 24681 = 24412468.TXT. THU

HM01 11435kHz 1600z 12/1 [73482 24681 46444 22766 18827 45748]. FRI

HM01 11435kHz 1600z 13/1 [73483 24682 46445 22767 18828 45749]. SAT

HM01 11435kHz 1600z 14/1 [73484 24683 46446 22768 18829 27041] New callup position 6, 27041 = 77672704.TXT. SUN

HM01 11435kHz 1600z 15/1 [73485 24684 46447 38631 78461 27041] MON

HM01 11635kHz 1800z 16/1 [73486 24685 46448 38631 78461 27042] New callups postions 4 and 5, 38631 = 75023863.TXT, 78461 = 71567846.TXT. TUE

HM01 11435kHz 1600z 17/1 [73487 24686 46449 38632 78462 27043] WED

HM01 11435kHz 1600z 18/1 [73488 24687 61421 38633 78463 27044] New callup position 3, 61421 = 50076142.F1C. THU

HM01 11635kHz 1800z 19/1 [38061 24688 61421 38634 78465 27045] New callup position 1, 38061 = 43173806.TXT. FRI

HM01 11435kHz 1600z 20/1 [38061 25881 61422 38635 78465 27046] New callup position 2, 25881 = 12222588.TXT. SAT

HM01 11435kHz 1600z 21/1 [-----] Present but too weak to copy. SUN

HM01 11435kHz 1600z 22/1 [38063 25882 61424 38637 78467 27048] MON

HM01 11435kHz 1600z 23/1 [38064 25883 61425 68651 78468 27049] Extremely weak, new callup position 4, 68651 = ??????. TUE

HM01 11435kHz 1600z 24/1 [38065 25884 61426 68651 07141 41871] New callups positions 5 and 6
07171 = ??????, 41871 = ??????. WED

HM01 11435kHz 1600z 25/1 [38066 25885 61427 68652 07171 41871] THU

HM01 11435kHz 1600z 26/1 [38067 25886 65821 68653 07172 41872] New callup position 3, 65811 = ?????? FRI

HM01 11435kHz 1600z 27/1 [38068 25887 65821 68654 07173 41873] SAT

HM01 11435kHz 1600z 28/1 [54741 25888 65822 68655 07174 41874] New callup position 1, 54741 = ??????. SUN

HM01 11435kHz 1600z 29/1 [54741 25888 65823 68656 07175 41875] MON

HM01 11435kHz 1600z 30/1 [54742 13001 65824 68657 07176 41876] TUE

HM01 11435kHz 1600z 31/1 [54743 13001 65825 85741 07177 41877] New callup position 4, 85741 = ?????? WED

HM01 11435kHz 1600z 2/2 [54745 13003 65827 85742 07179 82071] New callup position 6, 82071 = ?????? FRI

HM01 11435kHz 1600z 3/2 [54746 13004 65828 85743 38361 82072] New callup position 5, 38361 = ?????? SAT

HM01 11435kHz 1600z 5/2 [54748 13006 55761 85745 38362 82074] New callup position 4, 55761 = ?????? MON

HM01 11435kHz 1600z 6/2 [15211 13007 55762 85746 38363 82075] New callup Position 1, 15211 = ?????? TUE
 HM01 11435kHz 1600z 7/2 [15211 13008 55763 85747 38364 82076] WED
 HM01 11635kHz 1800z 8/2 [15212 86101 55764 40731 38365 82077] New callups positions 2 and 4, 86101 =?????, 40731 = ?????? THU
 HM01 11435kHz 1600z 9/2 [15212 86101 55764 40731 38365 82077] FRI
 HM01 11435kHz 1600z 13/2 [????? ?????? ?????? 40731 38366 28651] New callup position 6, 28651 = ?????? becomes too weak to copy. TUE
 HM01 11435kHz 1600z 14/2 [15213 86101 55765 40731 38366 28651] WED
 HM01 11435kHz 1600z 16/2 [15213 86101 55765 40731 38366 28651] Same callups as 14/2 FRI
 HM01 11435kHz 1600z 17/2 [15213 86101 55765 40731 38366 28651] same callups as yesterday. SAT
 HM01 11435kHz 1600z 21/2 [15213 86101 55765 40731 38366 28651] Same callups as 17/2 WED
 HM01 11435kHz 1600z 23/2 [15213 86101 55765 40731 38366 28651] extremely weak, Same callups as yesterday. FRI
 HM01 11435kHz 1600z 25/2 [15213 86101 55765 40731 38366 28651] Extremely weak, same callups as yesterday. SUN
 HM01 11435kHz 1600z 27/2 [15213 86101 55765 40731 38366 28651] Same callup as past few days. TUE

As received by Daniel in the Argentine:

10715kHz2200z	28/01(54741 25888 65822 68565 07174 41874) qsa2	DanAR	SUN
17480kHz2200z	09/01(01238 46441 22763 18824 45745 82838) qsa3	DanAR	TUE
2200z	16/01(73486 24685 46448 38631 78461 27042) qsa2 qm2	DanAR	TUE
16180kHz2100z	10/02(15213 86101 55765 40731 38366 28651) QSA3	DanAR	SAT
16180kHz2200z	10/02 (15213 86101 55765 40731 38366 28651) QSA3		
May be Pedro forgot schedule-	ends 2230z	DanAR	SAT

Reception in the UK; PoSW's logs and analysis:

Continues in the New Year, reception variable with best copy on those days of the week when frequencies in the nine megahertz band are used.

5-Jan-18, Friday:- 0831 UTC, 9065 kHz, transmission in progress, just missed the call-up routine after the break, heard 5Fs, "82833 01233 52234 18518 86849 45741", over S9, much stronger than when monitored at around 0810z when it was too weak to copy. There must have been a short-lived peak in propagation over the Atlantic at this time because the next HM01 on 9240 was unreadable when monitored a few minutes before 0900.

7-Jan-18, Sunday:- 0858 UTC, 9240 kHz, call-up in progress, "82835 01235 52236 22761 18821 45742", S8 with the usual deep QSB. Data noises started at 0859:34s UTC.

28-Jan-18, Sunday:- 0936 UTC, 9240 kHz, transmission in progress, best copy from HM01 for a while, peaking S9 with the usual QSB always at the most inopportune moments, heard 5Fs, "38068 25887 65821 68564 07173 41873".

29-Jan-18, Monday:- 0828 UTC, 9065 kHz, call-up after the break in progress, "54741 25888 65822 68565 07174 41874", S7 to S8 with QSB, Data sounds started at 0829:18s UTC, strong FSK/RTTY signal on close frequency.

2-Feb-18, Friday:- 0825:53s UTC, 9065 kHz, "54744 13002 65826 85741 07178 82071", over S9 with the usual up and down, data started at 0829:14s UTC.

5-Feb-18, Monday:- 0825:52s UTC, 9065 kHz, "54747 13005 55761 85744 38361 82073", over S9 with QSB.

7-Feb-18, Wednesday:- 0827 UTC, 9065 kHz, "15211 13007 55762 85746 38363 82075", S9 with the usual QSB, data sounds at 0829:14s. 0858 UTC, 9240 kHz, start-up routine in progress, 5Fs as earlier, data at 0859:14s UTC.

9-Feb-18, Friday:- 0855:55s UTC, 9240 kHz, starting up with, "15212 86101 55764 40731 38365 82077", S9 with the usual up and down.

10-Feb-18, Saturday:- 0938 UTC, 11462 kHz, weak signal, not really usable but it is unusual to be able to hear anything on those days when frequencies in the 11 and 12 MHz bands are used, sounded like 5Fs, "28651 15213 86101 and 38366" were in there.

18-Feb-18, Sunday:- 0825 UTC, 9065 kHz, expected to hear the start-up routine after the break but just plain carrier, no voice. Stayed with it until 0832z before giving up.

21-Feb-18, Wednesday:- 0857 UTC, 9240 kHz, call-up in progress, "15213 86101 55765 40731 38366 28651", S9 with the usual QSB, voice stopped around 0858z for a short while then came back, data at 0858:53s UTC. Echo effect on the speech, presumably due to multi-path propagation.

23-Feb-18, Friday:- 0825:36s UTC, 9065 kHz, starting up after the break, "15213 86101 55765 40731 38366 28651" - same as on Wednesday. Same echo on the speech. Data sounds started a few seconds before 0829 UTC.

FSK: F01, F06 and F11

F06:

Link 40122 was NRH on the first week of the year. This raises questions whether this link belongs to the same network as the E06 ID's 361 & 537, and the S06 ID 842, which also originate from the Far East, and are also absent during the first week of the year.

Links 50046 and 70147 started using new sets of frequencies in January.

In February, link 60070, which used to send on Tuesday at 2300/2310/2320z until early 2017, was rediscovered on a Tuesday 0030/0040/0050z schedule with new, lower frequencies.

Links 70048 and 70059 have sent their first traffic since October 2016.

Links 00052 and 40133 sent messages carrying the encrypted triple timestamp date of Wednesday, December 15, 2004. However, the unencrypted date, which is present in the header, was 13th on both messages.

F11:

Down to two schedules only. The Monday/Thursday 0800/0805z schedule has disappeared, while its associated 0820z E11 is unaffected.

A rare operator mistake was made on the Tuesday/Wednesday 1150/1155z schedule. The 1150z broadcast was a null message, 1155z was a repeat of the previous month's message, while the associated E11 at 1205z was again a null message.

F01 [la]

Monday	0025/0035/0125/0135z	13452/11106kHz	Link ID 00117
01/01	No reports		
08/01	<u>11177 00117 82936 04002 01979</u> 34217 64163 10775 15562 59796 15672 59710 83885 53131 08411 91130 66633 ... 02195 00000		
15/01	<u>11177 00117 23357 11003 01899</u> 47057 64353 73283 08669 71937 12357 02607 37184 76896 39697 56052 76632 ... 03187 00000		
22/01	<u>11177 00117 78531 18004 01359</u> 17040 85166 21964 80810 22975 64637 97491 70608 53941 54155 49838 52227 ... 04133 00000		
29/01	No reports		
	0025/0035/0125/0135z	15803/12195kHz	
05/02	No reports		
12/02	No reports		
19/02	No reports		
26/02	No reports		
1st Wednesday	1940/1950/2000z	7629/6783/4034kHz	
03/01	Null message		
	1940/1950/2000z	8156/6844/4527kHz	
07/02	Null message		
Friday	2230/2240/2330/2340z	17411/15956kHz	Link ID 00116
05/01	<u>11177 00116 001 01849</u>		
12/01	<u>11177 00116 23657 11002 01779</u> 90082 25621 81307 72141 13638 66352 37265 68022 32482 38572 88773 53908 ... 02175 00000		
19/01	<u>11177 00116 68319 19003 01239</u> 87920 23759 22897 36129 31947 84503 61063 20615 54765 69374 52547 44307 ... 03121 00000		
26/01	<u>11177 00116 92374 25004 01469</u> 59907 63761 50650 81226 91042 74032 80370 03492 74252 44386 08922 31834 ... 04144 00000		
	2230/2240/2330/2340z	20741/18401kHz	
02/02	No reports		
09/02	No reports		
16/02	<u>11177 00116 92178 15007 01309</u> 34636 33443 97258 90247 65713 33851 08763 50804 11359 34150 83565 99076 ... 73472 07128 (the trailing 00000 was left out by the operator, but the header's group count includes it)		
23/02	<u>11177 00116 27457 22008 01359</u> 68206 43369 04851 29738 09231 87416 38550 12648 56252 69133 15269 44607 ... 08133 00000		

F06 [la]

Sunday	1530/1540/1550z	10378/9169/7419kHz	Link ID 10053
07/01	Null message		
14/01	Null message		
21/01	Null message		
28/01	Null message		
	1530/1540/1550z	13464/11548/9323kHz	
04/02	Null message		
11/02	Null message		
18/02	Null message		
25/02	Null message		
1st/3rd Monday	0500/0510/0520z	6926/5945/4816kHz	Link ID 70059
01/01	Null message		
15/01	Null message		
	0500/0510/0520z	7328/6778/5126kHz	
05/02	Null message		
19/02	<u>11166 70059 35908 16019 01429</u> 38488 23315 27961 85921 26702 96276 54928 17330 68505 25412 05752 42433 ... 19140 00000 (the first message since October 17, 2016)		
Tuesday	0030/0040/0050z	9058/8176/6773kHz	Link ID 60070

06/02	Null message		
13/02	Null message		
20/02	Null message		
27/02	Null message		
Tuesday	1500/1510/1520z	10856/8174/6988kHz	Link ID 00052
02/01	Null message		
09/01	Null message		
16/01	Null message		
23/01	Null message		
30/01	Null message		
	1500/1510/1520z	12116/10275/8176kHz	
06/02	Null message		
13/02	Null message		
20/02	Null message		
27/02	Null message		
Tuesday	1650/1700/1710z	10383/9046/7313kHz	Link ID 10053
02/01	Null message		
09/01	Null message		
16/01	Null message		
23/01	Null message		
30/01	Null message		
	1650/1700/1710z	13374/11165/9219kHz	
06/02	Null message		
13/02	Null message		
20/02	Null message		
27/02	Null message		
Wednesday	0600/0610/0620z	20154/18304/16156kHz	Link ID 40122
03/01	NRH (New Year break)		
10/01	<u>11166 40122 36295 06055 03469</u> 01866 03744 20476 98687 76702 97456 59260 06496 99125 96321 36431 52194 ... 55344 00000 (a single message instead of two messages as expected for week 2)		
17/01	Null message		
24/01	<u>11166 40122 64789 20056 03029</u> 64252 90245 04963 01632 22107 43623 31970 52055 30156 61543 92496 30277 ... 56300 00000 <u>11166 40122 82546 20057 02349</u> 58768 58748 09279 93123 83559 93096 59056 62558 85334 34259 22689 51768 ... 57232 00000 <u>11166 40122 13467 27058 03789</u> 21745 70960 87239 18805 48185 81513 48463 51707 54126 30750 29330 13507 ... 58376 00000		
31/01	<u>0600/0610/0620z</u> 20072/18291/16071kHz		
07/02	<u>11166 40122 85236 03059 03549</u> 71394 02739 02950 77235 18764 21537 59332 34303 95781 44627 62742 80883 ... 59352 00000		
14/02	<u>11166 40122 80765 10060 03029</u> 95775 52562 51714 19599 24743 29571 26824 91456 95554 91165 21979 50707 ... 60300 00000 <u>11166 40122 70654 10061 03009</u> 88619 07656 13678 22534 08215 07041 95287 42186 05412 92282 40729 80294 ... 61298 00000		
21/02	Null message		
28/02	<u>11166 40122 56287 24062 03149</u> 72926 46674 75842 16905 88786 58315 67897 07278 95337 85498 80940 83029 ... 62312 00000		
Wednesday	0800/0810/0820z	18334/16346/14418kHz	Link ID 70048
03/01	Null message		
10/01	Null message		
17/01 & 24/01	<u>11166 70048 00000 16014 01399</u> 72574 09397 40556 97717 41388 14009 81365 98499 52307 74307 24024 30169 ... 14137 00000 (the first message since October 26, 2016)		
31/01	Null message		
	0800/0810/0820z	18923/17414/14949kHz	
07/02	Null message		
14/02	Null message		
21/02	<u>11166 70048 35741 20015 01559</u> 77019 75096 31865 50900 76952 21308 56917 30809 88842 97178 16702 92344 ... 15153 00000		
28/02	Null message		
2nd/4th Wednesday	0900/0910/0920z	20735/18037/16250kHz	Link ID 00052
10/01	<u>11166 00052 93142 26023 01969</u> 46390 36136 53856 22078 57017 94821 77494 40426 79499 86203 12382 97356 ... 23194 00000 (repeat of December 27, 2017)		
24/01	<u>11166 00052 46871 23024 01849</u> 64030 26133 42866 22078 75757 84828 66404 40426 97139 76200 01392 97356 ... 24182 00000		
	0900/0910/0920z	20916/18730/16165kHz	
14/02 & 28/02	<u>11166 00052 65941 13025 02689</u> 30079 16125 53727 34313 41796 74810 77365 52761 63178 66292 12253 09691 ... 25266 00000 (the encrypted triple timestamp on this message was Wednesday, December 15, 2004 – very strange)		
2nd/4th Wednesday	1015/1025/1035z	19433/16048/14976kHz	Link ID 10031

10/01	Null message		
24/01	Null message		
	1015/1025/1035z	20639/17539/15644kHz	
14/02	Null message		
28/02	Null message		
Thursday	1330/1340/1350z	12186/10243/8175kHz	Link ID 80214
04/01	Null message		
11/01	Null message		
18/01	Null message		
25/01	Null message		
	1330/1340/1350z	14983/12196/9917kHz	
01/02	Null message		
08/02	Null message		
15/02	Null message		
22/02	Null message		
2nd/4th Saturday	0900/0910/0920z	13805/11644/9474kHz	Link ID 70147
13/01	<u>11166 70147 35182 12073 00609</u>	31695 33198 93688 58128 17261 13975 86480 94306 23055 07306 81744 84902 ... 73058 00000	
27/01	<u>11166 70147 34591 26074 01009</u>	53725 43102 93688 58128 39391 23989 86480 94306 45185 17310 81744 84902 ... 74098 00000	
	0900/0910/0920z	13979/11649/9499kHz	
10/02	<u>11166 70147 46735 09075 01749</u>	79595 33185 94688 58128 55161 13962 87480 94306 61955 07393 82744 84902 ... 75172 00000	
24/02	<u>11166 70147 48657 22076 00829</u>	48355 33108 94687 58128 24921 13985 87489 94306 30715 07316 82743 84902 ... 76080 00000	
2nd/4th Saturday	1000/1010/1020z	20973/18736/16328kHz	Link ID 70004
13/01 & 27/01	<u>11166 70004 19625 12003 00819</u>	90454 32721 43481 08480 66764 71750 22391 81492 80872 77245 87404 64633 ... 03079 00000	
	1000/1010/1020z	20894/18429/16153kHz	
10/02 & 24/02	<u>11166 70004 91328 09004 01919</u>	15766 70027 84086 13730 82759 55566 22788 45738 63403 99108 86175 53318 ... 04189 00000	
Saturday	1100/1110/1120z	16356/14359/12079kHz	Link ID 50046
06/01	Null message		
13/01	<u>11166 50046 12674 12021 02189</u>	67809 89089 98913 40530 24976 73694 53106 63673 62024 30175 76912 82228 ... 21216 00000	
20/01	<u>11166 50046 98217 19022 00609</u>	33019 79086 98913 40530 90186 63691 53106 63673 38234 20172 76912 82228 ... 22058 00000	
27/01	<u>11166 50046 75329 26023 01069</u>	40999 99093 98913 40530 07066 83608 53106 63673 45114 40189 76912 82228 ... 23104 00000	
	1100/1110/1120z	17434/15625/13496kHz	
03/02	<u>11166 50046 83721 02024 02389</u>	35789 79079 99913 40530 92856 63684 54106 63673 30904 20165 77912 82228 ... 24236 00000	
10/02	<u>11166 50046 17582 09025 00809</u>	19869 89076 99913 40530 76936 73681 54106 63673 14084 30162 77912 82228 ... 25078 00000	
17/02	<u>11166 50046 78342 16026 02649</u>	13029 49083 99913 40530 70196 33698 54106 63673 18244 90179 77912 82228 ... 26262 00000	
24/02	<u>11166 50046 83571 22027 01209</u>	11599 89099 99912 40530 78666 73604 54105 63673 16714 30185 77911 82228 ... 27118 00000	
Saturday	1500/1510/1520z	20564/18471/16308kHz	Link ID 40133
06/01	Null message		
13/01	Null message		
20/01	Null message		
27/01	Null message		
	1500/1510/1520z	22878/20216/18253kHz	
03/02	Null message		
10/02	Null message		
17/02	<u>11166 40133 86125 13037 02149</u>	27650 59652 88837 85817 81401 18241 18253 17398 23312 30434 13843 68659 ... 37212 00000 (the encrypted triple timestamp, like on link 00052 earlier that week, was also Wednesday, December 15, 2004)	
24/02	Null message		

F11 [III]

Monday/Wednesday	0845/0850z	9370kHz	ID 0353
01/01 & 03/01	<u>88888 88888</u>	66759 21286 33606 93449 83603 96357 75796 94185 48921 34619 34686 31723 89440 13644 96050 00769 65989 32129 67836 63122 30938 99996 37410 70214 62048 40754 27142 23830 14914 46524 38823 13225 <u>88888 88888 00036 00036</u>	
08/01 & 10/01	Null message		
15/01 & 17/01	Null message		
22/01 & 24/01	Null message		
29/01 & 31/01	Null message		

05/02 & 07/02 Null message
 12/02 & 14/02 Null message
 19/02 & 21/02 Null message
 26/02 & 28/02 **88888 88888** 07605 07345 75883 18994 58578 24989 13434 67339 09803 28288 04580 41391 64492 95579 34552 18559 73777
 19782 41386 85483 90271 39490 93887 73104 30086 23602 84400 57696 29220 09182 75979 29256 24866 77864 38772 42720
 72658 39016 07676 95471 **88888 88888 00044 00044**

Tuesday/Wednesday 1150/1155z 6807kHz ID 0325

02/01 & 03/01 Null message
 09/01 & 10/01 Null message
 16/01 & 17/01 Null message
 23/01 & 24/01 Null message
 30/01 & 31/01 **88888 88888** 54154 27691 51563 12829 19787 10956 72856 48524 76616 84444 90575 15489 10526 13280 46158 32913 07326
 63669 16330 42884 16995 07912 28003 97584 52810 84038 71493 97979 19307 45515 23989 63094 27146 **88888 88888 00037**
00037
 06/02 & 07/02 Null message
 13/02 Null message
 14/02 The 1150z broadcast was a null message. However, 1155z contained traffic, which was a repeat of the message from 30/01 & 31/01.
 The associated 1205z E11 was a null message.
 20/02 & 21/02 **88888 88888** 12139 63103 90536 19416 00064 68546 34890 56970 40475 64674 75569 63428 54141 36871 76838 75801 79084
 27493 50747 73545 29774 86995 28115 71593 40682 69767 75308 23331 92842 50090 65631 02797 12466 16461 **88888 88888**
00038 00038
 27/02 & 28/02 Null message

Logs sent by: Ary, Danix

[Thanks Danix and Ary]

THE BERLIN WALL, MY PART IN its FALL!

Continued

Part 3

Following the end of World war Two, it was decided to rebuild Germany. The USA and Britain were the main countries which did this. Germany had already been divided into two parts, one controlled by the West, which is NATO. And the East, which was occupied by the Russians and other Warsaw Pact nations. Berlin itself was further divided into 4 sectors. They were; British. American. French. Russian (USSR) Below is a map which will show you how the world looked then. The USSR decided to fence off their sectors, and having the controlling interest of every other member of that alliance, they were all forced to do the same. What is frequently forgotten, is that Germany as a country was itself divided into two parts, again East (Russia/Warsaw pact and West, NATO. (That is us guys, the good dudes!) As a result, Berlin was in the part of Germany which belonged to the East, and was known as the German Democratic Republic. (You have to be a great fan of the ironic to see the humour in THAT one!) Below is a map to show how this worked in practice.



Figure 1 Map showing occupation zones of Germany during the Cold War.



Figure 2 Map showing Warsaw Pact areas in red.

As you can see, Berlin, which was, before WW2 the capital of Germany, was now well inside East Germany. It was also the capital of East Germany. That is one place, of many, where your then much-younger and better looking Grandfather served as a very young man! A city called Bonn was the capital of West Germany. So, between me and several thousand other young men, we held the line. (The words of an American Army general, NOT me!!!) That would have been about 1969. The British forces stationed in West Germany were called BAOR or British Army on the Rhine. As you know (!!!) the Rhine is the biggest river in Germany. We, the British, were stationed in the north of Germany, the Americans in the south. Other countries in Germany as part of NATO were. Canada (great guys!!!) Belgians. French and Dutch. France left NATO in 1966. This decision was taken by General De Gaulle, then head of France. I must say, no-one missed them much! And, for some reason, they kept their little bit of Berlin! Now, they have decided to re-join NATO, and I don't expect that anyone will be getting too excited about THAT!!! Germany soon managed to rebuild itself and I bet you know all about the German economic miracle or Wirtschaftswunder as is called. (Pay attention Carys, I WILL be asking questions!!!) I will not labour this point, but an American retired US Army General Marshall was largely responsible for the pumping of millions of US dollars into Germany AND other European nations, such as Greece and Italy. A British Army officer was chiefly responsible for rebuilding the Volkswagen industry and other car plants in Germany. It has to be admitted that German People DID a huge amount of work on their own accord, but had huge amounts of help. It was in no-one's interest for Germany to remain wrecked. Germany received nation status on May 5 1955. Shortly afterwards, it joined NATO and raised its own Armed Forces. They were, however, at NO TIME allowed to be stationed in Berlin. This was due to the fact that Berlin was, until the 1980s, an occupied city and was, technically and physically in East Germany, a foreign nation. Indeed, it was the East German capital. Bonn was the then capital of the Federal Republic of Germany, which is what West Germany was then called.

So, you may think that it was like two giants sitting on each side of a huge steel fence, and you would, to a large extent, be right! For many years this is exactly what happened. The armed forces of the two sides trained, in their respective countries, for a war which all hoped would never come. The only time we got to see our opposite numbers was during the border patrols which we carried out with the West German border guards. Being a radio operator, I got to hear them sometimes, as that was one thing both sides did. Listened to, and looked at each other! For a while, being a German speaker, I was employed on what is called radio intercept duties. (OOO-EEERR!) The guys who use big words call it intelligence gathering. We called it something else, but I NEVER use language like that in front of my children and Grandchildren! Speaking German was pretty useful in bars and restaurants as well!!!

To be continued

Gizza Job

PoSW's Items of Interest in the Media:-

Items of Interest in the Media:-

Embassies on the move:- There seems to be a fair bit of this going on these days what with the Americans moving to a new embassy in London – it was thought at one point that President Trump might come over for the grand opening ceremony, but he declined to do so, also the American government announced their intention to move their embassy in Israel

from Tel Aviv to Jerusalem although no firm date was given but this was still enough to cause protests in certain quarters. The British too are moving one of their embassies, the one in the capital of Afghanistan to be precise, as reported in *The Times* newspaper of 2-January in a news item by Matthias Gebauer in Kabul and Deborah Haynes, Defence Editor. “British embassy in Kabul to move amid rising violence” which goes on to say, “Britain is planning to move its embassy in Kabul deeper into a high security zone because of concerns that the UK compound is vulnerable to a bomb attack, according to Afghan officials.

Sir Nicholas Kay, the British ambassador to Afghanistan, has had talks with senior members of the Afghan government, including Ashraf Ghani, the president, about finding a new location for the UK's permanent diplomatic presence in the country.

An old Afghan ministry for transport, close to the US embassy, at the other side of the so-called green zone appears to be the most likely choice. It is being renovated at present.

It is not clear how much the relocation will cost.

The desire to move is thought to have increased after a lorry bomb, laden with 10 tonnes of explosives, exploded close to the German embassy, which is next to Britain's, on May 31, killing 90 people and injuring hundreds more, mainly civilians. The German compound was damaged in the atrocity, which has been blamed on the Haqqani network linked to the Taliban and backed by Pakistani security forces.

The British embassy, a heavily fortified compound of offices on the edge of Kabul's Wazir Akhbar Khan district, was one of Britain's biggest and busiest during the UK's involvement in the Afghan war over the past decade.

Hundreds of diplomats, military personnel and Afghan employees worked within the high-walled compound, including a large section of MI6 officers. The total staff size has shrunk in recent years in line with a withdrawal of combat troops and a formal end of combat operations by British and other NATO forces in 2014, although special forces combat operations remain as active as ever. The heightened security threat has led to the withdrawal of some British officials.

There has been a steady up-tick in violence by Taliban-linked groups and militants loyal to the Afghan offshoot of Islamic State. In the latest carnage, a suicide bomb, claimed by Isis, killed more than 40 people in the west of the capital that houses an Afghan news agency. It is understood that Britain has been reviewing options for a single permanent site for its embassy for some time.

A Foreign Office spokesman said that Britain's support to the Afghan government alongside its NATO allies was crucial in helping to stabilise the country and reduce the terrorist threat at home. “To that end, we maintain a significant estate in Kabul which provides a platform for the British government to deliver our work.”

The Profumo Affair:- another individual from those times shuffles of this mortal coil:- Following on from the death of Christine Keeler early in December, *The Times* of 2-January reported the demise of a lesser known figure. “Lady Astor, chatelaine of Cliveden, dies aged 87” is the headline. And I have to say that as an Essex Boy I did not know the meaning of the word, “chatelaine”, so it was a case of reaching for my well-worn copy of

the Collins Concise English Dictionary which defines the word thus:- “The mistress of a castle or large household”. Perhaps the word has certain connotations like the word “madam”. Whatever the case, the short piece in *The Times* goes on to say, “Dowager Viscountess Astor, who became embroiled in the Profumo scandal in the 1960's, has died at the age of 87.

She enjoyed a successful career as a model and BBC television presenter before running a psychotherapist clinic for more than 20 years. But she was shunned by the upper echelons of society as the chatelaine of the infamous Cliveden estate in Buckinghamshire that became the setting for the Profumo affair when Christine Keeler met John Profumo there. Bronwen Astor died on December 28 and is survived by her daughters, Janet and Pauline.

She married Bill Astor, the third Viscount Astor and a former Tory MP, in 1960 at the age of 30 when she was a muse to the Parisian couturier Pierre Balmain. Lord Astor hit the headlines when he had an affair with Mandy Rice-Davies, a nightclub dancer, and helped to introduce her friend Keller to Profumo, a war minister. Lady Astor became a Roman Catholic in 1970 and went on to work as a spiritual adviser.”

Spy movie available on DVD, and some real live facts:- A mail-shot from a company offering DVD's for sale was received in the run-up to Christmas and while not expecting to find anything worth purchasing it was a surprise to see *Ring of Spies*, a portrayal of the Portland Spy Case of the early 1960's listed at a very reasonable cost. This was duly purchased, along with a few other gems, a box set of *The Sweeney* for one, the best British made police drama ever shown on TV, made in several series throughout the 1970's before the current Cultural Marxist Political Correctness took hold. *Ring of Spies* can be summed up by the words on the DVD case, “An antiquarian bookseller and his wife; a disgruntled, hard-drinking naval clerk and the lonely secretary he recruits; a polished Soviet agent who assumes the identity of a dead Canadian citizen the players in a familiar Cold War story of hidden cameras, microdots and a long-range radio calling Moscow Central.

Ring of Spies charts a duel between Soviet intelligence and British counter-espionage, and a trade in deadly secrets directed from a bungalow in Ruislip, hidden for years from unsuspecting neighbours and British spycatchers”.

The film appears to reflect that which has been made known about the case, Harry Houghton, the central figure who was removing secret documents from the office in which he worked is portrayed as having an over fondness for the Demon Alcohol, and early on he is dismissed from his job in a diplomatic post in Warsaw when under the influence he upsets a tray of drinks over one of the guests at an official function and is sent home and ends up at the research establishment in Portland. There are a few deviations from the facts, for example the forename of Harry's partner in crime has been changed, in real life reported as “Ethel” but in the film as “Elizabeth”, more pleasant on the ear, perhaps. There is depiction of some of the techniques of espionage back in those days; the bungalow in Ruislip which was at the centre of things, home of Peter And Helen Kroger, where Gordon Lonsdale delivers the documents obtained from Houghton, is equipped with a secret cellar in which is kept a radio transmitter with a device enabling a typed-in message to be transmitted in a quick burst at very high speed, the antenna having been uncoiled, rolled out and shoved up the chimney in the fireplace of the bungalow. Also some impressive photographic gear, used to copy documents and reduce them to microdot size and placed at the end of a paragraph in one of the antique books that formed the stock-in-trade of Peter Kroger and which would be delivered to a contact overseas.

Ring of Spies has been shown on TV, but not as far as I am aware, for some years; it was certainly shown on one of the channels back in the 1990's because I have an off-air recording on VHS cassette somewhere, although the recorder itself is long gone and whereas some old-school technology, such as vinyl discs and even the audio cassette have made something of a come-back in recent years, the video cassette recorder has died and stayed dead. So it was good to acquire a copy on DVD.

Ring of Spies, A British Lion Films production, certificate PG, original theatrical exhibition December 1963, one in the series “The British Film” released on DVD by Network – Studio Canal, at a cost much lower than that of a packet of cigarettes.

Staying with the subject;- actual technical facts about the equipment used have not been widely forthcoming over the years, but some factual information has come to light from what might be regarded, perhaps, as an unusual source:- there is a website, www.americanradiohistory.com, and very good it is too, which consists of all kinds of publications and magazines on the subject of radio and electronics, "scanned in", I think, is the expression used by those who understand this stuff, including several British magazines; including the long defunct, *Wireless World*, the equally long gone, *Radio Constructor*, *Practical Wireless*, not sure if that still exists, I have not seen it on sale for years, not even in the big branch of WH Smith in Cambridge, and *Short Wave Magazine*, which existed in several forms over the years before expiring.

It is from this last publication that some technical details of radio with regard to Portland Spy Case can be found; page 211 of the June 1961, volume XIX, of the *Short Wave Magazine* contains a short item on the subject with the headline, "Spy Radio Trial", which says:- "The Lonsdale-Kroger-Houghton espionage case, which has now been concluded with the rejection of their appeals, had a number of interesting features from the purely radio aspect.

The fact that a transmitter, said to be capable of 150w output, could be used to work Moscow on an indoor (invisible) aerial may have astonished the Court, but few AT operators would think that at all remarkable - on the HF bands, as we all know, the difficulty is to avoid the UA3's, whatever rig one may be using!

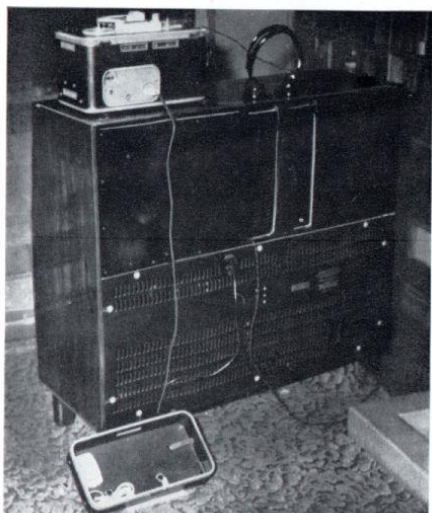
The house at 45 Cranley Drive, Ruislip, Middlesex, also had a radiogram modified for headphone reception of CW. Transmission was by high-speed auto keying at up to 240 words per minute and reception on a tape recorder. No actual knowledge of Morse was required to work the system, as the transmitting tapes were punched out on a mechanism like a typewriter keyboard and could be prepared at leisure; similarly, the Morse signals received on tape were made visible by a special process, and could be decoded merely by inspection.

The frequencies favoured for these activities were **6340, 8888, 14775 and 17080 Kc/s** and, according to the evidence, transmissions on these frequencies using the signals procedures found in the possession of the accused, D/F'd into the area of Moscow." [See imagery below]

Point to ponder:- "Drink no longer water, but use a little wine for thy stomach's sake..." - The First Epistle of Paul the Apostle to Timothy, chapter 5, verse 23.

Thanks Peter Excellent stuff.

Portland Spy Ring units as mentioned by Peter



Radiogramme at 45 Cranley Drive



Transmitter used by Krogers at 45 Cranley Drive
[Note fast keyer front, right. 140grps sent in seconds]

The Spectre's News articles

21/12/2017

<https://www.usnews.com/news/world/articles/2017-12-21/from-russia-with-love-ukraine-detains-suspected-russian-spy>

Ukraine Detains Suspected Russian Spy

Quite an 'oops' moment for the Ukraine government with its No. 1 'country-aggressor.'

An aide to Ukraine's prime minister has been detained on suspicions he spied for Russia, Ukrainian security services announced Thursday.

Interpreter Stanislav Yezhov, 39, was apprehended Wednesday for allegedly partaking in a "long-time foreign mission" to gather intelligence from the former Soviet nation's top cabinet. In a Facebook post, Ukrainian Prime Minister Volodymyr Groysman said Yezhov had "long been working in the interests of a hostile government."

"[T]he official on the orders of the Russian curators collected with the help of special equipment information about the activities of government structures," the security services statement said. "The received data was given by the attacker to the curators through the electronic channels of communication."

Yezhov was present for meetings with U.K. Prime Minister Theresa May in July as well as with then-Vice President Joe Biden in June 2016.

It is unclear how long Yezhov might have acted as a spy for the Russian federation, but Ukrainian officials indicated that they were conducting ongoing searches at his home and workplace for more information. He is likely to face charges of state treason, according to the agency.

The discovery of an alleged Russian spy at the highest levels of the Ukrainian government comes amid ongoing hostility between Kiev and Moscow more than three years after Russian President Vladimir Putin seized Crimea and armed pro-Russia rebels in eastern Ukraine. The enmity shut down collaborations between Ukrainian and Russian intelligence agencies that formerly worked closely together.

The news also comes a few weeks after a top Ukrainian government official told reporters that Russia has deployed thousands of armored vehicles and troops into eastern Ukraine despite Moscow refuting claims of increased military involvement in the area.

05/01/2018 Sky News

<https://news.sky.com/story/former-british-spy-christopher-steele-named-in-first-criminal-referral-of-us-russia-probe-11196828>

Former British spy Christopher Steele named in first criminal referral of US Russia probe

The British man who produced a dossier said to reveal Trump-Russia links is himself named in an investigation into the claims.

A former British spy has been named in the first criminal referral of the investigations looking into alleged Russian meddling in the US election.

Christopher Steele released a much-publicised dossier last January containing claims about Donald Trump that were said to show Moscow's interference in the presidential race.

Despite claiming to expose the meddling, Mr Steele is being accused of potentially lying to federal authorities over his contacts with reporters.

Republican senators Chuck Grassley, chairman of the Judiciary Committee, and Lindsey Graham, a senior committee member, have referred the matter to the Justice Department.

They said the former MI6 officer may have made false statements about "the distribution of claims contained in the dossier".

Part of the referral is classified, so the precise details and allegations are currently not being made public.

The unsubstantiated dossier was put together during the election campaign and was partially funded by Hillary Clinton's campaign and the Democrats. It was also given to the FBI.

It claimed there was collusion between Mr Trump's presidential campaign and Russia, and that the Russians have information that could be used to blackmail the President.

The senators' referral states: "Based on the information contained therein, we are respectfully referring Mr Steele to you for investigation of potential violations... for statements the Committee has reason to believe Mr Steele made regarding his distribution of information contained."

The part of the federal criminal code that Mr Steele is accused of violating relates to knowingly making false or misleading statements to authorities.

There are currently three ongoing congressional investigations into allegations of Russian interference in the election and complicity by Donald Trump's campaign team.

Sky's US Correspondent Greg Milam said many in Washington view it as a PR stunt from Republican senators loyal to the President who "want to put up a smoke screen about the investigation into his ties with Russia".

However, he adds that some on Capitol Hill - as well as many of President Trump's supporters - do believe the Russia story is a witch-hunt.

"They think a dossier of information from Russian sources, paid for by Mr Trump's political opponents, is the real scandal that should be investigated.

"But one scandal doesn't make the other go away and questioning the actions of one former British intelligence operative isn't going to alter the seriousness of what Trump is facing from the investigation by former FBI director Robert Mueller.

"Trump fans will complain about Christopher Steele or Hillary Clinton, but Donald Trump is the most powerful man on the planet and the investigation into him is a long way from being over."

16/01/2018 www.dw.com

<http://www.dw.com/en/raids-across-germany-target-suspected-iranian-spies/a-42165145>

Raids across Germany target suspected Iranian spies

Germany-wide police raids have been carried out on suspected Iranian spies. Iran has been linked in the past to spying, assassinating dissidents and targeting Israelis.

German authorities on Tuesday conducted searches of homes and businesses belonging to 10 suspected Iranian spies.

The Federal Prosecutors Office ordered the searches after receiving a tip from Germany's domestic intelligence agency.

The suspects are believed to have spied on persons and institutions "on behalf of an intelligence entity associated with Iran," the prosecutor's office said.

No arrests were made during the raids, which were carried out in Baden-Württemberg, North Rhine-Westphalia, Bavaria and Berlin.

The German magazine Focus, which first reported on the searches, said that the 10 individuals were suspected members of the al-Quds Brigade, the external operations arm of the powerful Islamic Revolutionary Guard Corp (IRGC).

Iranian agents are believed to regularly spy on Israelis, Jewish institutions, Iranian dissidents and other targets abroad.

Focus reported that the 10 persons are suspected of spying on Israeli and Jewish targets.

Germany authorities have not confirmed the report.

Long history of Iranian espionage

Earlier this month, Germany summoned Iran's ambassador in Berlin after a 31-year-old Pakistani student was convicted of spying for Iran on Social Democratic Party (SPD) politician Reinhold Robbe.

Robbe was the former head of the German-Israel Friendship Society.

The Islamic Republic and its Lebanese Shiite ally, Hezbollah, have long been accused of carrying out multiple deadly attacks on Jewish and Israeli targets abroad.

Last April, federal prosecutors filed charges against two men suspected of spying on the opposition People's Mujahedin of Iran (MEK) on behalf of Iranian intelligence.

The Paris-based MEK seeks to overthrow Iran's theocratic government and is widely disliked inside the country, where it is labeled a terrorist organization. The Iranian government blamed the group for stirring up unrest earlier this month.

Formerly listed as a terrorist organization by the EU and United States, the MEK has also been accused of carrying out covert operations on behalf of Israel and the United States.

Iran has been linked to the assassination of multiple dissidents, mostly Kurds and MEK members, throughout Europe.

In 1992, four Iranian-Kurdish opposition leaders were assassinated in a Berlin restaurant by Iranian agents.

The assassination in Berlin, and another three years earlier against Kurdish dissidents in Austria, occurred at a time when the Democratic Party of Iranian Kurdistan was leading a low-level insurgency in Iran.

17/01/2018 <http://www.telegraph.co.uk>

<http://www.telegraph.co.uk/news/2018/01/17/ex-cia-agent-arrested-connection-collapse-us-spy-network-china/>

Ex-CIA agent arrested in connection to collapse of US spy network in China

A former Central Intelligence Agency (CIA) officer suspected of compromising American spies in China, has been arrested after authorities discovered notebooks filled with the details of informants working.

Jerry Chun Shing Lee, also known as Zhen Cheng Li, is suspected of aiding the collapse of the US spy operations in China, which saw dozens of informants jailed or killed from 2010 onwards.

Mr Lee, a 53-year-old naturalized US citizen, was detained at New York's JFK airport on Monday and charged with retaining highly classified information.

Mr Lee, who now lives in Hong Kong, worked for the CIA between 1994 and 2007 and had top-level security clearance.

It is reported that several members of the intelligence community suspected a mole within the agency at the time.

The New York Times reported last year that starting in 2010, to the end of 2012, the Chinese killed "at least a dozen" sources the CIA had inside China and imprisoned six or more others.

In 2012, five years after he had left his post, FBI agents conducted a court-authorized search of a Hawaii hotel room where Mr Lee was on a layover from Hong Kong to the US.

According to one report, Mr Lee had been lured back to the US by a fake job offer.

FBI agents found and photographed two small notebooks that contained handwritten lists of the real names and contact numbers of China-based American assets.

According to a court affidavit, the books held notes of varying degrees of classification, but at least some information was top-secret and could, if revealed, "cause exceptionally grave damage to the national security of the United States".

It is unclear why Mr Lee was not arrested on his arrival in the United States during his 2012 visit.

He was allowed to return to Hong Kong without incident, only to be arrested on his arrival in the US this week.

Charges of the unlawful retention of national defence information have been filed against Mr Lee, who faces a maximum penalty of 10 years in prison if convicted, according to the Justice Department Statement.

The accused has so far made no public comment on the case.

22/01/2018 CNN Politics

<https://edition.cnn.com/2018/01/22/politics/russia-spy-ship-us-coast/index.html>

Russian spy ship spotted 100 miles off North Carolina coast

The Russian spy ship, the Viktor Leonov, was spotted 100 miles south east of Wilmington, North Carolina, in international waters, according to a US military official, just days after the vessel was seen leaving the capital of Trinidad and Tobago, Port of Spain.

Two US military officials said the Russian ship is being tracked by the destroyer USS Cole and other naval assets.

Outfitted with a variety of high-tech spy equipment and designed to intercept communications signals, the Viktor Leonov was observed operating in the Caribbean last week, a US defense official told CNN.

It was unclear at the time where the vessel was heading, but the official said the spy ship has typically traveled up the eastern seaboard near Cape Canaveral, King's Bay, Norfolk and New London in the past.

All these locations are home to US naval installations.

A second official told CNN last week that based on historical patterns the ship is likely on a four-to-six month deployment off the East Coast where it will be conducting intelligence operations.

The Russian ship routinely performs this mission.

The ship sailed along the east coast of the United States in February and March of last year, lingering in international waters just off the coast of US naval installations.

Last March, the Viktor Leonov was spotted some 20 miles south of the US Naval Submarine Base Kings Bay near the Florida border, a US defense official told CNN.

In February, the US Navy spotted the same ship sailing 30 miles off the coast of Connecticut, the farthest north it had ever ventured, according to a US defense official. The Vishnya-class spy ship also conducted similar patrols in 2014 and 2015.

23/01/2018 CNN

<https://edition.cnn.com/2018/01/22/asia/north-korea-secret-agent-blew-up-plane-intl/index.html>

Ex-North Korean spy recounts Olympic plot to blow up plane

It was her first assignment as a North Korean secret agent.

In 1987, Kim Hyon Hui put a bomb on board Korean Air Lines Flight 858, killing all 115 on board on what she says was the direct order of Kim Jong Il, the son of North Korea's then-leader Kim Il Sung.

"The mission was to block the upcoming 1988 Seoul Olympic Games," says the soft-spoken 55-year-old, who in 1990 received a presidential pardon for her role in the atrocity after standing trial in South Korea.

Her dramatic story shows the lengths Pyongyang was prepared to go to disrupt the 1988 Summer Olympics, which were seen as a showcase for the South's development. The Boeing 707 blew up on November 29, 1987, over the Andaman Sea off the coast of Myanmar.

Three decades on, the situation couldn't be more different -- North and South Korea will walk under a joint flag at the Winter Olympics that kick off next month in the South Korean city of Pyeongchang, and athletes from both sides will compete on the same hockey team.

However, Kim warns that North Korea hasn't changed since she worked as a spy for the regime, and Pyongyang has still not apologized for the bombing or accepted responsibility.

"They are using South Korea to overcome their difficulties ... to achieve their goal they execute their own people, siblings, families, do not be fooled, North Korea has not changed at all," she says.

We met Kim in a nondescript hotel room in South Korea, where she was accompanied by half a dozen bodyguards.

We can't disclose the location as she and the South Korean government fear North Korean agents may still be trying to silence her.

With good reason -- Kim trained for more than seven years to become a secret agent and has intimate knowledge of North Korea's security operations.

Plucked from university at 18 thanks to her language skills, Kim spent one year training in intelligence in a secret camp deep in the mountains. She was taught martial arts, shooting, radio communication and how to survive in the wild.

She learned Japanese from Yaeko Taguchi, a Japanese woman she says was abducted by North Korea and with whom she lived with for two years. (Kim has since met with the kidnapped woman's brother and son.) She was then sent to the Chinese city of Guangzhou to perfect her grasp of Mandarin.

In November 1987, she was suddenly called back to Pyongyang. North Korea's spy agency decided Kim was ready for her deadly mission -- an assignment she received in the dead of night from the agency's highest ranking officer.

Kim and a male accomplice, Kim Seung Il, went to the Austrian capital Vienna disguised as a Japanese couple. It was there they were given the bomb.

"The bomb was a small Panasonic radio, behind that there were ... batteries. North Korea built it so half of it acted as an explosive with chemicals in, the other half could be used as a regular radio," says Kim.

They took the bomb to Baghdad. As they boarded the Korean Air Lines Flight 858, destined for Seoul, officials confiscated the batteries in the radio -- without which the bomb was useless.

"I was very nervous at that time," Kim says. "I picked up the batteries, put them back in the radio and complained to the officials. When I turned on the radio, sound came out so I told them they were making too much of a fuss." Officials then allowed Kim to pass through security and board with the radio intact.

"For a moment, the thought of 'these people will die' crossed my mind, I was surprised when I thought that, I felt I was being weak, I was doing this for unification."

Kim put the bomb in an overhead locker and took some pills to relax. She and her accomplice then got off the plane at a layover in Abu Dhabi. The plane carrying 115 people and a North Korean bomb departed for Seoul but never made it.

Plans to escape via Rome and Vienna did not pan out as the two agents were detained in Bahrain. They had a plan B -- cyanide pills hidden in cigarette filters. "We were taught that if an agent fails on a mission, he or she needs to commit suicide. We need to swallow the pill to protect the secret ... we know very well that our families in the North would be harmed, so naturally we decided to swallow the pills. At the time I thought my 25-year-old life ends like this."

Biting into the cyanide pill, Kim lost consciousness but survived. Her male comrade died.

Extradited to Seoul for interrogation, Kim says she denied everything for eight days for fear of retribution against her family, but she couldn't keep it up. She was put on trial and sentenced to death, but Kim was later pardoned by then-President Roh Tae-woo, despite criticism from the main opposition party at the time.

Roh believed she was as much of a victim of North Korea's brutal regime as the passengers killed on board the doomed Flight 858.

"When I heard I was pardoned, rather than feeling joy of regaining life, I thought of my mother back in the North. How happy she must be if a daughter who almost dies then lives, but I was a big sinner. I should have died," she says.

After being pardoned, she worked for South Korea's National Intelligence Service before marrying one of her bodyguards.

A mother of two, she has written memoirs about her experiences, donating some of the proceeds to the victims' families.

It's clear that reliving that time 30 years ago takes a toll on Kim. She fights back tears a number of times but insists she has survived to remind people of what North Korea is capable of -- something she says is particularly important as the Winter Olympics appears to be bringing the two sides together.

"As a living witness to North Korea's terror, I tell the truth and I am on the front line to prevent this kind of attack. Korea is still at war when it comes to ideology and thoughts."



Taken from Eye Spy Magazine Issue67 [2013] .. with thanks.

Chart Section Index

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March 2018

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Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...
		x	x				0315		E11	03	7850 25#	5779 25#
x	x	x	x	x	x	x	0400		V13	0	15388	15388
x	x	x	x	x			0400		S06	01A	15721 480	15721 480
			x				0430/0450/0510		E07A	01B		6788/ 7488/ 9322 741
x	x	x	x	x	x	x	0440 (var)		HM02	01C	4761 during Summertime	4761
x							0450		E11	03	5371 41#	5371 41#
	x			x			0455		S11A	03	5358 32#	5358 32#
x	x	x	x	x	x	x	0500		V13	0	11430	11430
x		x		x		x	0500		HM01	18	5855	5855
	x		x		x		0500		HM01	18	11462	11462
x	x	x	x	x			0500		M14	01A	18041 952	18041 952
					x		0500/0520/0540		M12	01B		8176/ 9376/10476 134
			x	x			0500/0600	1/3	E06	01A		15650/17470 951
			x				0530/0550/0610		E07A	01B	6922/ 8122/ 9322 913	
x	x	x	x	x	x	x	0540 (var)		HM02	01C	4761 during Wintertime	
x	x	x	x	x	x	x	0600		V13	0	11430	11430
x				x			0600		E11	03	13470 18#	13470 18#
x		x		x		x	0600		HM01	18	10345	10345
	x		x		x		0600		HM01	18	14375	14375
	x						0600/0610		S06S	01A	15855/16485 438	15855/16485 438
					x	x	0600/0620/0640		E07	01B		9064/10264/11464 024
					x		0600/0620/0640		M12	01B	8158/ 9258/10658 126	
x		x					0600/0620/0640		XPAC	01B		10359/11559/13559
						x	0600/0700		M14	01A	6824/6990 382	6824/6990 382
			x	x			0600/0700	1/3	E06	01B	16230/19325 864	
						x	0630/0640		S06S	01A	22185/20050 524	22185/20050 524
x		x					0640		E11	03	12153 94#	12153 94#
	x		x				0645		E11	03	10800 51#	10800 51#
x		x		x		x	0657		HM01	18	9330	9330
	x		x		x		0657		HM01	18	13435	13435
x	x	x	x	x	x	x	0700		V13	0	15250	15250
						x	0700		M01	01B	6510 463	6510 463
	x						0700/0710 (15)		S06S	01A	5760/ 6930 374	5760/ 6930 374

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...
					x	x	0700/0720/0740		E07	01B	10112/11112/12112 111	
x		x					0700/0720/0740		XPAc	01B	11409/13509/14609	
x		x					0700/0720/0740		XPA2	01B		search
	x			x			0700/0720/0740		XPA2t	01B	13431/14631/15931	16347/17447/18747
					x	x	0710		E11	03	8102 49#	8102 49#
	x			x			0715		E11	03	9963 63#	9963 63#
	x						0730/0740		S06S	01A	7425/11560 11560/12140 427	7425/11560 11560/12140 427
	x		x				0735		S11A	03	38#, search	38#, search
x							0745		E11	03	10213 26#	10213 26#
		x		x			0745		E11	03	17410 34#	17410 34#
x		x		x		x	0757		HM01	18	9065	9065
	x		x		x		0757		HM01	18	11365	11365
x	x	x	x	x	x	x	0800		V13	0	15250	15250
x							0800	1/3	G06	01A	6810 329	6810 329
			x				0800/0810		E17Z	01A	14260/12930 674	14260/12930 674
	x						0800/0810		S06S	01A	11635/10420 352	11635/10420 352
					x		0800/0810	1	S06S	01A	10350/ 8520 254	10350/ 8520 254
					x		0800/0820/0840		E07A	01B		12218/13418/14418 244
x		x					0800/0820/0840		XPA2	01B	search	
					x		0800/0900		M14	01A	5430/ 5561 171	5430/ 5561 171
					x	x	0805		E11	03	9200 31#	9200 31#
x			x				0820		E11	03	10125 43#	6804 43#
	x	x					0820		E11	03	12530 13#	12530 13#
		x					0820/0830		S06S	01A	8630/ 9255 471	8630/ 9255 471
x							0830/0840		S06S	01A	9220/ 8270 371	9220/ 8270 371
		x					0830/0840		S06S	01A	9082/ 9952 464	9082/ 9952 464
		x					0830/0840		S06S	01A	11530/12140 745	11530/12140 745
					x		0830/0840		S06S	01A	10855/11160 352	10855/11160 352
			x	x			0830/0930		S06	01A	19415/16268 842	19078/16318 842
	x		x				0845		E11	03	10246 15#	10246 15#

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...
x		x		x		x	0857		HM01	18	9240	9240
	x		x		x		0857		HM01	18	11462	11462
x		x					0900		E11	03	9399 9299? 53#	9399 53#
x							0900/0910		S06S	01A	14580/13165 872	14580/13165 872
				x			0900/0910		S06S	01A	5744/ 6524 624	5744/ 6524 624
					x		0900/0920/0940		E07A	01B	11133/12133/13433 114	
x	x	x	x	x	x	x	0930		M14	01A	17458 617, only 10.,	17458 617, only 10.,
		x	x				0930		E11	03	6807 27#	6807 27#
			x				0930/0940		S06S	01A	9081/10514 314	9081/10514 314
				x			0930/0940		S06S	01A	12140/13515 516, search	12140/13515 516, search
x		x		x		x	0957		HM01	18	5855/ 9155	5855/ 9155
	x		x		x		0957		HM01	18	12180	12180
	x			x			1000		E11	03	7840 30#	7840 30#
	x						1000/1010		S06S	01A	6410/ 7340 893	6410/ 7340 893
		x					1000/1010		S06S	01A	13365/14505 729	13365/14505 729
			x			x	1010/1030/1050		M12	01B	14769/16269/18169 721	
x			x				1015		S11A	03	11493 47#	11493 47#
	x			x			1020		S11A	03	9960 42#	9960 42#
	x						1045		E11	03	8102 57#	8102 57#
	x						1100/1110		S06S	01A	6190/ 7230 754	6190/ 7230 754
	x			x			1100/1120/1140		E07	01B	19118/17418/15918 149	20574/19074/17474 504
x	x	x	x	x	x	x	1200		V13	0	9276	9276
		x					1200/1300	?	G06	01A	x5875, 5254 938, search	x5875, 5254 938, search
x							1200/1210		S06S	01A	9145/11460 831	9145/11460 831
			x				1200/1210		S06S	01A	12415/14212 425	12415/14212 425
	x	x					1205		E11	03	7727 46#	7727 46#
x				x			1225		E11	03	20286 52#	20286 52#
x	x	x	x	x	x	x	1300		V13	0	9276	9276
			x				1300	1/3	G06	01A	4598 329	4598 329
			x		x		1300		E11	03	10302 58#	10302 58#

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...
			x		x		1310/1330/1350		M12	01B	12214/10814/ 9214 282	14468/13568/12178 451
	x				x		1345		E11	03	13046 91#	13046 91#
x	x	x	x	x	x	x	1400		M08A	18	8096	8096
x		x					1400/1420/1440		M12	01B	16276/14876/13376 283	18524/17424/15824 548
				x	x		1400/1420/1440		XPA2r	01B	18667/17419/16212	
	x	x	x				1500		S06	01A	14913 387	
	x	x	x				1500		S06	01A	10387 387	
					x		1500		M01	14	6260 463	6260 463
	x						1500/1510		S06S	01A	6464/ 7242 537	6464/ 7242 537
	x					x	1500/1520/1540		XPA2m	01B	16138/14438/13438	
				x			1510/1530/1550		E07A	01B		12174/11074/10274 102
			x				1530		E11	03	10330 26#	10330 26#
		x			x		1540		S11A	03	10800 56#	10800 56#
x	x	x	x	x	x	x	1557		HM01	18	11435	11435
	x	x					1600	1/3	M14		4635 273	4635 273
	x					x	1605		E11	03	6397 23#	6397 23#
				x			1610/1630/1650		E07A	01B	11473/10173/ 9373 413	
		x				x	1625		E11	03	10448 97#	10448 97#
	x		x				1645		E11	03	10800 33#	10800 33#
				x		x	1650		E11	03	13873 92#	13873 92#
x							1700/1800	1/2	G06	01A	x4613, 5460 938, search	x4613, 5460 938, search
x	x	x	x	x	x	x	1657		HM01	18	11530	11530
		x				x	1700/1720/1740		E07	01B		14603/13403/12103 641
x		x					1700/1720/1740		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
			x				1700/1720/1740		M12	01B	14377/13461/12114 317	14377/13461/12114 317
				x			1700/1800	1/3	M14	01A	5945/ 5477 382	5945/ 5477 382
		x			x		1705		E11	03	10213 39#	10213 39#
		x			x		1730		E11	03	5844 40#	5844 40#
			x				1730		E11	03	7864 41#	7864 41#
		x					1740/1840	3	E06	01A	2015: 13433/10166 634, search	

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...
x						x	1745		E11	03	13470 24#, check	13470 24#
	x		x				1800		M01	14	5475 463	5475 463
x	x	x	x	x	x	x	1757		HM01	18	11635	11635
		x				x	1800/1820/1840		E07	01B	13419/12139/10739 417	
		x					1800/1820/1840		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
	x					x	1800/1820/1840		XPA2m	01B		14538/13538/12138
x							1810		M01B	14	3535, 4590 420 (summer time)	3535, 4590 420
	x						1820	2/4	M14	01A	5945 346	5945 346
			x				1830	2/4	G06	01A	5934 579	5934 579
			x				1832		M01B	14	3510, 4605 201 (summer time)	3510, 4605 201
	x			x			1840/1850/1900	1	F01	01A		12194/10581/ 8112
		x			x		1850		S11A	03	10213 28#	10213 28#
x			x				1900		E11	03	7317 64#, check	7317 64#
x		x					1900/1920/1940		E07	01B		15819/14419/12219 842
		x					1900/1920/1940		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
			x				1900/1920/1940		M12	01B	10343/ 9264/ 8116 463	10343/ 9264/ 8116 463
				x	x		1900/1920/1940		XPA2r	01B		17462/16114/14828
				x			1900/2000	1/3	S06	01A		x9237/ 6774 483
					x		1900/2000	1/3	S06	01A		x4538/ 3894 263
				x			1902		M01B	14	3625, 4941 153 (summer time)	3625, 4941 153
				x	x		1910		E11	03	8530 61#	8530 61#
x							1910		M01B	14	3625, 4440 153 (winter time)	
x							1910/1930/1950		M12	01B	11435/10598/ 9327 938	11435/10598/ 9327 938
x							1915		M01B	14	3644, 4454 771 (summer time)	3644, 4454 771
		x					1920	2/4	M14	01A	5464 537	5464 537
	x		x				1925		E11	03	10620 55#?	10620 55#?
				x			1930	2/4	G06	01A	5442 947	5442 947
			x				1932		M01B	14	3510, 4605 201 (winter time)	
	x			x			1940/1950/2000	1	F01	01A	10467/ 8094/ 6779	
			x				1942		M01B	14	3715, 4570 477 (summer time)	3715, 4570 477

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Mar kHz, ID, ...	Apr kHz, ID, ...
		x		x			1950/2010/2030		M12	01B		search
		x		x			1955		S11A	03	4016 37#	4016 37#
	x		x				2000		M01	14	5020 463	5020 463
x	x	x	x	x	x	x	2000		M08A/ V02A	18	7554	7554
x							2000/2020/2040		M12	01B	10343/ 9264/ 8116 463	10343/ 9264/ 8116 463
		x					2000/2020/2040		E07A	01A		8144/ 6944/ 5744 147, search
x		x					2000/2020/2040		E07	01B	10651/ 9151/ 7651 616	
				x			2000/2100	1/3	S06	01A	x9237/ 6774 483, check	
					x		2000/2100	1/3	S06	01A	x4538/ 3894 263, search	
				x			2002		M01B	14	3625, 4941 153 (winter time)	
					x	x	2005		E11	03	8186 36#	8186 36#
				x			2010		M01B	14	3520, 4585(4940) 582 (summer time)	3520, 4585(4940) 582
			x				2010/2030/2050		E07	01B		9387/ 7526/ 5884 358
x							2015		M01B	14	3644, 4454 771 (winter time)	
			x				2030	1/3	E06	01A	5186 891	5186 891
			x				2042		M01B	14	3715, 4570 477 (winter time)	
		x				x	2050		S11A	03	x7317 48#, check	x7317 48#

M01 FREQUENCY LIST

Frequencies may vary by a few kHz

JAN FEB NOV DEC

M01/1

197

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

MAR APRIL SEPT OCT

M01/2

463

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

MAY JUNE JULY AUG

M01/3

025

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

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...	Mar kHz, ID, ...	Apr kHz, ID, ...	Remarks
	x	x					0315		E11	03	5779 25#	5779 25#	7850 25#	5779 25#	since 01/14, last log 11/17
x							0450		E11	03	4909 41#	4909 41#	5371 41#	5371 41#	since 02/10, last log 11/17 2nd transmission Thu 1730z
x			x				0455		S11A	03	4828 32#	4828 32#	5358 32#	5358 32#	since 09/14, last log 11/17
x			x				0600		E11	03	9200 18#	9200 18#	13470 18#	13470 18#	since 07/15, last log 01/18
x	x						0640		E11	03	11450 94#	11450 94#	12153 94#	12153 94#	since 07/17, last log 02/17
x		x					0645		E11	03	7840 51#	7840 51#	10800 51#	10800 51#	since 07/09, last log 02/18
				x	x		0710		E11	03	4505 49#	4505 49#	8102 49#	8102 49#	since 08/17, last log 02/18 07/15-04/17 Thu/Sat
x			x				0715		E11	03	9130 63#	9130 63#	9963 63#	9963 63#	since 02/11, last log 02/18
x	x						0735		S11A	03	10246 38#	10246 38#	38#, search	38#, search	since 01/18, last log 02/18 until 04/17 mon/wed at 0715z
x							0745		E11	03	10213 26#	10213 26#	10213 26#	10213 26#	since 03/14, last log 02/18 2nd transmission Thu 1530z
	x		x				0745		E11	03	17378 34#	17378 34#	17410 34#	17410 34#	since 06/17, last log 02/18
				x	x		0805		E11	03	7377 31#	7377 31#	9200 31#	9200 31#	since 07/14, last log 02/18
x		x					0820		E11	03	7984 43#	7984 43#	10125 43#	6804 43#	since 10/09, last log 02/18
x	x						0820		E11	03	12202 13#	12202 13#	12530 13#	12530 13#	since 08/13, last log 02/18
x		x					0845		E11	03	11104 15#	11104 15#	10246 15#	10246 15#	since 07/17, last log 02/18
x	x						0900		E11	03	9446 53#	9446 53#	9399 9299? 53#	9399 53#	since 10/05, last log 02/18
		x	x				0930		E11	03	8180 27#	8180 27#	6807 27#	6807 27#	since 02/14, last log 02/18
x			x				1000		E11	03	8800 30#	8800 30#	7840 30#	7840 30#	since 11/16, last log 02/18
x			x				1015		S11A	03	11559 47#	11559 47#	11493 47#	11493 47#	since 04/10, last log 02/18 yearly changing frequencies + id
x			x				1020		S11A	03	7840 42#	7840 42#	9960 42#	9960 42#	since 02/10, last log 02/18
x							1045		E11	03	12153 57#	12153 57#	8102 57#	8102 57#	since 01/12, last log 01/18
x	x						1205		E11	03	7317 46#	7317 46#	7727 46#	7727 46#	since 03/10, last log 02/18 2nd transmission Mon 0450z
x			x				1225		E11	03	20167 52#	20167 52#	20286 52#	20286 52#	since 05/15, last log 01/18
			x	x			1300		E11	03	8680 58#	8680 58#	10302 58#	10302 58#	since 02/16, last log 02/18
x				x			1345		E11	03	14666 91#	14666 91#	13046 91#	13046 91#	since 10/15, last log 02/18
			x				1530		E11	03	5409 26#	5409 26#	10330 26#	10330 26#	since 06/14, last log 02/18 2nd transmission Mon 0745z
	x			x			1540		S11A	03	10728 56#	10728 56#	10800 56#	10800 56#	since 03/16, last log 02/18
x					x		1605		E11	03	4505 23#	4505 23#	6397 23#	6397 23#	since 11/15, last log 02/18
	x				x		1625		E11	03	10448 97#	10448 97#	10448 97#	10448 97#	since 02/15, last log 02/18
x		x					1645		E11	03	11493 33#	11493 33#	10800 33#	10800 33#	since 06/17, last log 02/18
			x	x			1650		E11	03	16335 92#	16335 92#	13873 92#	13873 92#	since 05/16, last log 02/18 changed from 0530z
	x			x			1705		E11	03	9443 39#	9443 39#	10213 39#	10213 39#	since 02/14, last log 02/18
	x			x			1730		E11	03	8545 40#	8545 40#	5844 40#	5844 40#	since 06/16, last log 02/18
		x					1730		E11	03	5779 41#	5779 41#	7864 41#	7864 41#	since 03/10, last log 02/18 2nd transmission Mon 0450z
x					x		1745		E11	03	13470 24#	13470 24#	13470 24#, check	13470 24#	since 05/16, last log 01/18
	x				x		1850		S11A	03	11486 28#	11486 28#	10213 28#	10213 28#	since 06/17, last log 02/18
x		x					1900		E11	03	6849 64#	6849 64#	7317 64#, check	7317 64#	since 05/16, last log 02/18 changed from 0530z
			x	x			1910		E11	03	10487 61#	10487 61#	8530 61#	8530 61#	since 04/17, last log 02/18
x		x					1925		E11	03	12067 55#	12067 55#	10620 55#?	10620 55#?	since 07/15, last log 02/18
	x		x				1955		S11A	03	5815 37#	5815 37#	4016 37#	4016 37#	since 02/14, last log 02/18
				x	x		2005		E11	03	11107 36#	11107 36#	8186 36#	8186 36#	since 03/14, last log 02/18 2nd transmission Thu 1530z
	x				x		2050		S11A	03	5082 48#	5082 48#	x7317 48#, check	x7317 48#	since 01/10, last log 02/18 changed from Tue/Fri 0915z

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...	Mar kHz, ID, ...	Apr kHz, ID, ...	Remarks
x							0800	1/3	G06	01A	5320 329	5320 329	6810 329	6810 329	since 07/10, last log 02/18 repeat at Thu 1300Z
	x						1200/1300	?	G06	01A	4920/ 4042 938	4920/ 4042 938	x5875, 5254 938, search	x5875, 5254 938, search	since 10/14, last log 02/18 yearly changing frequencies + id
		x					1300	1/3	G06	01A	4460 329	4460 329	4598 329	4598 329	since 09/11, last log 02/18 repeat from Mon 0800Z
x							1700/1800	1/2	G06	01A	3750/ 4490 938	3750/ 4490 938	x4613, 5460 938, search	x4613, 5460 938, search	since 04/10, last log 02/18 yearly changing frequencies + id
			x				1830	2/4	G06	01A	4519 271	4519 271	5934 579	5934 579	since 05/01, last log 02/18 repeat at Fri 1930Z
				x			1930	2/4	G06	01A	4792 436	4792 436	5442 947	5442 947	since 04/01, last log 02/18 repeat from Thu 1830Z

F06 Schedules (March 3, 2018)

Yellow schedules indicate message-only repeats of other schedules, not always present.

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Mon - Fri	02:00	16321												60146
		03:00	14881												

New message every day, no repeats the following days. Parallels F01 at 0000/0100z, S06 at 0400z, and M14 at 0500z.

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID	
1st, 3rd	Monday	04:00				10686	11414	12064	11049	10748	9437	9354			70059	
		04:10				8184	10169	10926	9126	9139	7923	7956				
		04:20				6773	8169	9049	8137	7424	6776	6774				
		05:00	6926	7328	10249									7658		6788
		05:10	5945	6778	8137									6778		5384
		05:20	4816	5126	5948									5361		4454

Repeats messages the following Wednesday at 21:00 or 22:00 instead of the following day.

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Tuesday	00:30	?	9058	?	?	?	?	?	?	?	?	?	?	60070
		00:40	?	8176	?	?	?	?	?	?	?	?	?	?	
		00:50	?	6773	?	?	?	?	?	?	?	?	?	?	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Tuesday	15:00	10856	12116	17428	17534	17488	16266	15733	14984	14973	13546	10844	12133	00052
		15:10	8174	10275	15646	15626	15623	14453	13376	13378	13589	11535	8164	10274	
		15:20	6988	8176	12153	12214	12226	12075	11154	10946	11643	9256	6773	8148	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Tuesday	16:50	10383	13374	16359	18726	19214	19936	19535	17534	14828	12215	10536	9313	10053
		17:00	9046	11165	13986	16238	17419	16354	16348	15613	12214	10814	8174	7928	
		17:10	7313	9219	11523	13378	14443	13955	13588	12215	10536	9046	7318	6783	

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

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Wednes.	08:00	18334	18923	18038	16064	14694	14368	13994	14976	16023	19448	19104	18039	70048
		08:10	16346	17414	16344	14367	12223	12204	12058	13373	14378	17503	17428	16204	
		08:20	14418	14949	14563	12208	10163	10309	10174	11168	12158	15619	15603	14363	

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

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

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

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Follows 1st, 3rd Mon,	Wednes.	21:00				10636	?	12218	?	13548	?	9948			70059
		21:10				8163	?	11164	?	11516	10161	8115			
		21:20				6854	?	9418	?	8145	8184	6826			
		22:00	6828	?	10164								?	?	
		22:10	5129	5938	8076								?	?	
		22:20	4534	4989	6769								?	?	

Message-only repeat slot of 1st & 3rd Monday 04:00 or 05:00.

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Thursday	13:30	12186	14983	16054	16351	16328	14565	13814	14978	15709	15607	11162	10968	80214
		13:40	10243	12196	13471	14367	14358	12169	11643	12216	13541	13376	9915	9354	
		13:50	8175	9917	11062	11483	11146	9981	9925	10164	10529	11108	8187	7963	

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
2nd, 4th	Saturday	08:00				?	?	?	?	?	?	?			70147
		08:10				?	?	?	?	?	?	?			
		08:20				?	?	?	?	?	?	?			
		09:00	13805	13979	?								?	?	
		09:10	11644	11649	?								?	?	
		09:20	9474	9499	?								?	?	

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

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Saturday	11:00	16356	17434	17414	?	?	?	?	?	?	?	?	?	50046
		11:10	14359	15625	15605	?	?	?	?	?	?	?	?	?	
		11:20	12079	13496	13444	?	?	?	?	?	?	?	?	?	

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

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

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Sunday	15:30	10378	13464	16245	18626	19323	19838	19466	17428	14455	12189	10644	9416	10053

		15:40	9169	11548	14356	16325	17536	16238	16189	15786	12065	10734	8159	7836
		15:50	7419	9323	12138	13458	14356	13546	13576	12228	10164	9129	7438	6785

F01 Schedules (June 5, 2017)

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Every	Mon - Fri	00:00	17471											
		01:00	14421											
New message every day. Parallels F06 at 0200/0300z, S06 at 0400z, and M14 at 0500z.														

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

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

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

F11 Schedules (March 3, 2018)

Week	Day	UTC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ID
Every	Monday Wednes.	08:45 08:50	9370		9339		13424				9339		9370		0353
Every	Tuesday Wednes.	11:50 11:55	6807		7670		6280				7670		6807		0325

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

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

Notes:

- XPA c 0600/0700z schedule appears to be robust with reasonably strong signals into UK. Day changed, Sat to Wed 02/082017
- XPA2 m Repetitive frequency triplets, appears robust, generally strong into UK
- XPA2 r Schedule appears robust; generally very strong signals to UK
- XPA2 t Weak in UK

XPA2 p Under investigation Believed new frequencies but times still followed

Null Message: Long tones used in place of repeat character [15Hz below 0] whilst ending of 10140 is now variable.

Updated 01/03/2018

SPECIAL MATTERS

Thanks to all our contributors:

Ary, Edd, BR, CC, Danix, DanAr, DoK, E, F5, HH, HJH, JkC, Jochen, KW, Malc, MaleAnon, PoSW, PLdn, RINGB, Apologies to anyone missed.



Operation Jallaa: Nil Return. Contact from members on fate of the results of this Op please.

MESSAGES:

E: Many thanks for input. This QRM seems nationally approved; 'transmitted' via our telephone system and others crappy poorly made switch mode power supplies and like which seem to have escaped our 'stringent' regulations. Do you remember date/time Gordon Corera transmitted his Number Station piece, Pse?

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.eyespy.com>

2018																				
January							February							March						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6			1	2	3					1	2	3		
7	8	9	10	11	12	13	4	5	6	7	8	9	10	11	12	13	14	15	16	17
14	15	16	17	18	19	20	11	12	13	14	15	16	17	18	19	20	21	22	23	24
21	22	23	24	25	26	27	18	19	20	21	22	23	24	25	26	27	28	29	30	31
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31
April							May							June						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6			1	2	3	4	5					1	2	
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
29	30						27	28	29	30	31			24	25	26	27	28	29	30
July							August							September						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6				1	2	3	4							1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31					26	27	28	29	30	31		23	24	25	26	27	28	29
October							November							December						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6				1	2	3								1
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
28	29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29
														30	31					

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