ENIGMA 2000 NEWSLETTER

http://www.enigma2000.org.uk

A view of the antenna atop the Embassy of the Hashemite Kingdom of Jordan
6 Upper Phillimore Gardens, London W8 7HA

The Ambassador Extraordinary and Plenipotentiary representing Jordan in London is
Her Excellency Dr. Alia Bouran,
a trailblazer for women in her country and Jordan's first ever female ambassador.

[Credit GoogleEarth]

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EDITORIAL

Welcome all to Issue 62.

The first issue of our 2nd decade online.

Happy New Year to all our members

Some 'on the ball' members were very quick to point out last November that we here at Enigma Towers has totally overlooked that Issue 61 was our 10th anniversary one.
So focused were we on the imminent start to our second decade of publishing the Newsletter online the fact that we needed to have a 10th anniversary to be able to get to the second decade went completely over our heads.
Thankfully Brian made a belated token atonement on our behalf by a redesign of the Masthead on the Website frontpage.

We will now enter a short period of self flagellation and wearing of Hair Shirts for our remiss.

However, looking back over the decade, we have much to be proud about.
Following the decision by 'Old ENIGMA' to cease publication of its respected hard copy newsletter Paul & Mike L, with pledged support from others, decided to continue the tradition by creating an online publication.
Within a very short period of time ENIGMA 2000 was launched.
The first Newsletter Issue in Nov 2000 was a mere 14 pages slowly increasing to approx 40 in the following two years. (early editions were published by Ary Boender on his "Numbers & Oddities" website which helped us get quickly off the ground) and has continued over the years to expand to the 90-100 pages that members now regularly enjoy.

Such has been the high regard held by our Newsletter within the Numbers Community, and related fields, that over this time we have attracted, and been freely offered, numerous exclusively authored articles for publication.

The mainstream, paid for, related hobby magazines would have killed to get their hands on these articles ☺

In parallel with the Newsletter development was also the creation of a whole range activities taking place in the background, including but not exclusive to :-
Maintenance of the ENIGMA Control List
Our various Station Desks and dedicated teams, without which our growth and success would not have happened.
A "management structure" to facilitate the smooth operation of the expanding commitments and spread the workload.
The "YAHOO GROUP" and its email facilities to improve information exchange.

But ,as in most areas of life, with UPS also come DOWNS.
The Yahoo Group in some ways, in its early years, turned out to be a mixed blessing.
Initially there was an explosion of membership, which we were very pleased about, but it became increasingly obvious that we were not receiving any noticeable benefit from this membership increase as only the same, small, hard working group were the main contributors.
Then we noticed large slices of our Newsletter being plagiarised, without any recognition or reference.
We were suffering the endemic 'internet' disease of "Take not Give".

From that point our approach to membership was modified, non contributing members are regularly removed, and openly so, with new ones required to answer a few simple questions – mainly automated – but manually approved.

It works, % contributors is substantially higher and most members keep us informed of their situation if unable to 'chip in'.
But this approach does not suit all people – during the past year, especially, we have received some very abusive responses to the final automated "reply to this or you don't join" mail.

Paul has a whole bunch of appropriate replies ready to respond – and all because they simply ignore the first email we send them.

Others, in contrast, thank us for our frankness, suspend their application and decide to take advantage of our freely available Newsletters, study them for a time then reapply when they feel ready.

Its been a long 10 years, our heartfelt thanks to all who have participated - the success is yours, we at the Towers just enable.

Enjoy, once again, our efforts

Paul & Mike L

The quick roundup

Night of 31 Oct/01 Nov, UK changed from BST to GMT – revision of listening habits.
UNID1 from JPL (using GT Hong Kong) unusual cut numbers time string type TX on 3336 at 22.30-40z
AU34567DNT T63A
To
AU34567DNT T64T
Using final characters A,U,3,4,5,6,7,D,N,T
Ary commented that it was UTC+8 timing

Unid2 from JPL

3343	17.20/18.17/58z	20 Nov/08 Dec	MWKJ (R10)

Family IB members M12, XPA, XPA2 noted using same skeds & IDs, and very similar messages.

E10 noted sending different gc for same message ??, being looked at by E10 Desk

V02a a possible behaviour change has been noted in the messaging structure, relating to previously thought repeat messages.
See Paul's notes in the appropriate entry.

M10 & M11 entries are now removed from the Newsletter.

Comment

This past year has seen some quite interesting happenings with our Number Stations and related interest items, these are some recent ones in brief.

Early in the year E10 underwent some major changes, the full effects still not fully understood , but TXs that we thought had ceased have started sporadically turning up again recently – more work for E10 Desk.

The UNID YL reported last issue clg '5' on 7035+- in Ham 40m band turned up once again in mid Dec.
S06? has been logged sending some strange traffic – being investigated – Richard makes comment in the S06 entry.

The assassination of the Hamas member in the Dubai hotel – worth following as there's some odd scenarios going on and cracks appearing (or rather being papered over) in the Dubai police investigation

The "Israeli spying rocks" in Lebanon story – found supposedly by Hezbollah.
This one is full of '??' even at a cursory non biased examination its got more holes than a colander.
Grey rocks in a Tan/Brown landscape ?? – very professional
Found in a snowstorm - per Hezbollah spokesman – photos are in bright sunshine, no snow ??
State of the art equipment, (but no surface mount components visible !) – Lebanese Army spokesman.
Photos show low power UHF (450ish meg) labels – a bit debatable for the suggested purpose.
[most of what's shown looks to be 30 – 40 years old, Ed.]
[I was playing with that blue RF mixer in Aussie kit in the early 80's, Ed]
Batteries that last for years ? – Lebanese Army spokesman [I'll have a boxfull please, got a job waiting for those, Ed]
And this happens just at the time when the investigation documents implicating senior Hezbollah members in the murder of Rafiq Hariri are to be submitted to the international court !!
This is one to watch, we think there's a lot of mileage in this yet.

NEWSFLASH

We are all aware that there are constant changes taking place within our beloved Number Stations scene.
Some are to be expected following altering political affiliations, or changes of focus resulting from world affairs, others for financial or more obscure reasons.

Among all this we have had one constant, dependable friend, the last remaining exclusively hand sent
MCW station, M01, with its characteristic defining **NO REPEAT MESSAGES** structure (unlike its variants).
For the past decade, two decades, three decades or even longer this stalwart of the airwaves has been arriving On time, On Frequency, In Format, with its totally predictable thrice yearly ID call changes, day after day.
It has presented us with the unique challenges that only a hand sent, intended for training, transmission schedule can.
One never quite knew what one was going to hear, with its changes of operator, speed, deliberate mistakes and the vagaries of propagation.
It just kept rolling along.

Then between 23rd and 26th Dec 2010 it changed the habit of a lifetime :-
It sent **TWO REPEAT MESSAGES** – with differing DKs.
This could easily have been overlooked but when Brian Rogers tabulated his logs it stood out like a 'Sore Thumb', and has been highlighted by colour coding in the following station entry.

This was quite a hefty surprise to those that daily follow this station and the incident was discussed in detail.

Why did this happen – we will probably never know, but the speculation includes :-

Operator error – once yes but twice! with such a well run operation ?
Administrative error !!
Working from the wrong page of messages – again, once OK but twice ?
Deliberate – just to see if ENIGMA 2000 is on its toes [It's the one we like]

One thing members can be very sure of is that everything this station does in future will go under the microscope.

Morse Stations

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 in this issue.

M01/1 XIV MCW, hand (197 sked from Nov - Feb)
Will change to M01/2 sked, ID 463, for Mar/Apl)
No repeat mssgs sent.

5320	18.00z	02 Nov	'197' 147 30 = = 06030, strong, slow good op
4490	20.00z	04 Nov	'197' 246 30 = = 56184, strong, fast, exlt op
4492	20.04z	06 Nov	'197' 826 30 = = 08594
5456 ?	07.00z	07 Nov	'197' 321 30 = = 45356, strong, slow, exlt op
5320	18.00z	11 Nov	'197' 851 30 = = 01410, weak, QSB
5810	15.00z	13 Nov	'197' 675 30 = = 36296, strong, BC QRM, fast
5465	07.00z	14 Nov	'197' 924 30 = = 40858, strong, fast, perfect
5320	18.00z	18 Nov	'197' 774 30 = = 04382, strong, fast exlt op
			Note DK/GC not heard at start, taken from EOM
5811	15.00z	21 Nov	'197' 101 30 = = 10442, strong, fast
5320	18.00z	30 Nov	'197' 059 30 = = 40263, strong, fading, slow
5320	18.00z	03 Dec	'197' 486 30 = = 22722, strong clean
4490	20.00z	"	'197' 274 30 = = 2489? ????, v.weak, QSB
5320	18.00z	09 Dec	'197' 548 30 = = 70318, weak - good, medium
4490	20.00z	"	'197' 610 30 = = 36133, good-weak, slow,exlt op
5320	18.00z	16 Dec	'197' 067 30 V.strong, noise, fast good op
5320	18.00z	21 Dec	'197' 731 30 = = 18638, strong, noise, slow
4490	20.00z	"	'197' 642 30 = = 00799, good, noise, slow
5320	18.00z	23 Dec	'197' 641 30 = = 14736, good, noise, med fast
4490	20.00z	"	'197' 781 30 = = 81754, strong, noise, fast
5810	15.00z	25 Dec	'197' 321 30 = = 81754, strong, noise, QRM, fast

5465	07.00z	26 Dec	'197' 490 30 = = 14736, fair-strong, noise, fast
5320	18.00z	30 Dec	'197' 905 30 = = 88422, good, fast,exlt op
4490	20.00z	"	'197' 748 30 = = 80724, strong, QRN, fast, exlt

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

M01b

Messages repeated

5810	16.15z	05/12 Nov	'158' 078 33 = = 27018 …..
3195//2653	20.02z	" "	'866' 497 39 = = 50139 …..
3180//2405	21.10z	05/12 Nov	'610' 497 39 = = 50139 …..
2435//3520	19.10z	01/15 Nov	'853' 497 39 = = 50139 …..
3205//2427	20.15z	"	'375' 497 39 = = 50139 …..
5938	16.05z	18 Nov	'159' …..
2485//3160	20.42z	"	'382' 497 39 = = 50139
3197	20.02	17 Dec	'866' 987 30 = = 60901
5941	16.05z	23 Dec	'159' 373 30 = = ? Heavy QRM
3545//2466	19.32z	"	'910' 987 30 = = 60901

M01c
No reports

M03 III ICW, some CW

5358	15.35z	06 Nov	794/37 = = 80905 ….. 81494
5358	"	23 Nov	798/00
4828	08.20z	26 Nov	761/00
4828	11.10z	01 Dec	650/30 = = 52109
5358	11.35z	04 Dec	786/00
"	15.35z	04/07 Dec	798/00
4828	08.20z	12/17 Dec	761/00
"	"	25 Dec	764/35 = = 34730
5358	11.40z	"	786/00

M03c (Stutter groups)
No reports

M03d
No reports

M03e

No reports

M08a XVIII ICW / CW, some MCW
These are the frequencies logged during the period, to be read in conjunction with Mark Slatens charts.
Freqs
5800, 5883, 5898, 8097, 9063, 9112, 9153, 10432, 12134, 12180,
Above use/are MCW

6854, 6932, 7519, 8009, 8096, 8135, 10857, 12116

M08c

No reports

M08d
No reports

M12 IB ICW, some MCW / CW, short 0. Reuses many freqs year on year.
To be read in conjunction with Brians included monthly charts.
New ID's may be only for the month/sked shown, but not necessarily unknown, all are clearly identified on Brians charts. The reason for their reuse, some after long periods of time, is unknown

9176/7931/6904	20.00/20/40z	01 Nov	257 1 ……..	
6946/7882 05.	10/30z	02 Nov	983 000	
8047	18.00z	03 Nov	463 1 2891 53	
9118	18.30z	"	194 1 159 95	
6883	07.50z	04 Nov	888 000	
12138	07.40z	05 Nov	238 1 812 175 93300 …..	
14893/13593	14.00/20z	"	851 1 356 89 74927 …..	
12193	14.45z	"	i/p, by FN to complete triplet	
13542/12142/---	13.00/20/-z	08 Nov	**515** 000	New ID
----/8057/7697	13.27/40z	"	**106** 1 748 133 24235 …..	New ID
14573/13573	13.00/20z 14 Nov		**541** 000	New ID
9187/8057/7697	13.00/20/40z	15 Nov	106 1 416 195 47589	
8112/----	15.00/20z 24 Nov		**106** 000	New ID
----/6806/5810	08.30/50/09.10z	01 Dec	938 000 This should be increasing freqs ?	
7509/6909/5709	15.00/20/40z	"	214 1 902 249 63751	
5312/4512 22.00/20z	"	350 000		
4443/5043/5843	04.40/05.00/20z	07 Dec	408 000	Three sendings for a Null ??
" "	" "	09 Dec	408 000	And again
4638/5738/6838	" "	13 Dec	678 000	And again

4508/5808/----	06.00/20z	"	588 000	Sent in **MCW**
9223/8193/7463	13.00/20/40z	"	**214**	New ID
5860/4960/4060	22.00/20/40z	22 Dec	360	
8060/9060/10160	07.00/20/40z	24 Dec	360 000	And again

M12a (two message variant)

The above entries are a good example of the M12a behaviour for repeat messages. The first message in one TX becomes the second of the next TX. See Brians charts for further detail.
Another bunch of marathon TXs on the expected skeds.

5872/6772/7672	04.00/05.23/06.06z	02 Nov	876 219 289 876 283 243	
5872/6772/7672	04.00/05.19/05.59z	04 Nov	876 212 189 876 219 289	
5872/6772/7672	04.40/05.17/05.54z	09 Nov	876 6726 259 876 212 189	
5436/6806 07.08/07.15z		29 Nov	i/p ends 07.09z 938 2 7567 52 ?7481 …..	
5436/6806/7669	10.25/30/47	07 Dec	i/p 938 2 (7414 52) (6395 45) Non standard sked	
4443/5043/5843	04.40/05.00/20z	14 Dec	**408** 921 175 408 606 195	New ID

And these rare 3 mssg catches from RNGB & BR

6806	10.52z	30 Nov	i/p 938 3 5810 23 48158 …..
5436/6806/7669	11.20/30/40z	01 Dec	938 3 (4340 31) (1303 17)(5810 23) Rpt of 30/11 ?, another Non standard sked

M14 IA MCW / ICW / MCWCC, short 0

4463	16.00z	02 Nov	854 00000
6769	18.00z	05 Nov	269 00000 (poss M24)
4830/4470	20/21.00z	"	742 00000 first Fri sked
4636	18.20z	08 Nov	185 231 15 = 34528
4636	18.20z	23 Nov	Rpt above
3825	20.00z	03 Dec	724 00000
4471	21.00z	"	Rpt above, both part of first & third Fri sked.
4762	19.20z	15 Dec	748 091 15 = 18475
3825/4470	20/21.00z	17 Dec	724 00000 third Fri sked

M14a (two message variant)
No reports

M18 IC
No reports

M23 O
No reports

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

9468	11.05z	01 Dec	i/p DK 345 GP 90, very fast, 150 num/min

M24a as M24 with 2nd addressee hand keyed, rarely intercepted.
No reports

M39 ICX? ICW / MCW
No reports

M44

No reports

M45/1 XIV (Nov – Feb) MCW, slow, hand, paired gps

4025	18.02z	09 Nov	525 …..
3525//4025	18.02z	16 Nov	525 433 14 = = 19284
3525	18.02z	23 Dec	525 812 34 = = 47732

M50 XIV MCW
No reports

M55 O
No reports

M62 O
No reports

M76 O
This station still out there but very difficult to copy under the ever present XJT.
GD catches these ones for us

3818	05.00z	12 Nov	JFKQ de MIQE QTC 855 33 …..	
"	"	15 Nov	KWU2 de RCY8 QTC 862 35	
"	17.50z	16 Nov	???? de QEUC QTC 866 31	
3819	05.00z	21 Nov	YPIZ de GA44 QTC 876 36	'A' in call accented .-.-

M87 O
No reports

M89 O
The 'VVV x3' calls and 'QSA' endings are still being sent. The reason for this variation remains unknown.

3327//4523	13.27z	06 Nov	V QPZM de WOXN
4225//5500	13.31z	"	V 7NPE de QV5B
4532	13.37z	"	V JA3L de UN2T
4860//6840	13.20/23.20z	06/09 Nov	VVV Q2M de NYZ QSA ? K
5310	23.34	17 Nov	V QPZM de WOXN
4860	17.20/21.20z	20/23 Nov	VVV Q2M de NYZ QSA ? K
3297	19.54z	02 Dec	V GKVZ de Q7NW
4523	18/19.00z 08 Dec		VVV GNL de **3FZ** **New c/s**
			Note no QSA or K ??

M94 CW, MCW, partner station to V24

SK01 (Data Mode generic classification, Cuban TX's)
See comments in Issue 49 which still apply, and 'dj's' log mails.

Freqs
5800, 5898, 5930, 5947, 7890, 8180, 8186, 9063, 11435, 11532, 12120, 13380

SK01 analysis [maleAnon]

Two files of less than 1024 bytes were decoded during November/December. One of these broke one of the rules that have until now been followed by all files. This file 31741582 had neither a 9 or a 0 in the file name.

Previously we have noted that if the file name starts with 28 then the 3rd and 4th digits in the message header will be 08. If the file name starts 42 then the third and 4th digits are 18. Both these file names begin with 31 and the 3rd and 4th digits are 68.

In the past two months it has come to light that one previously reported message was transmitted in the clear hopefully a translation will be available soon. This plain text message implies that the message header. is 5 pairs of digits long (previously thought to be 6). We can tell this becase the plain text appears to start at the 6th pair of digits. That being said the header for the message 31741582 below would be
62 68 01 23 00

More to follow next month

31741582.txt 255 bytes

6268 0123 0031 2619 6235 9614 1430 6707 4667 7336 6365 1199 3389 4003 5561 1681
6655 7891 6204 5967 3924 4292 7476 0377 7588 7260 4307 2023 7604 3073 6576 0739
2716 0851 4244 8407 8246 1469 6673 9204 8291 4078 7734 9864 2761 3694 5081 7061
7700 0296 6853 4573 8035 4436 4888 1213 3894 8407 2496 4894 1338 4591 1401 8448
6715 2166 2166 8052 7442 6233 4987 4184 3086 5319 4899 2070 6367 3272 7970 6981
3968 8047 0770 1335 6979 1934 9255 9278 5933 2202 9753 3744 7911 5160 1099 1889
6158 7620 5776 3071 7044 6196 7214 6064 7504 2811 9199 5454 0238 7592 8954 6074
6659 0888 3636 7673 3252 6881 1474 4414 3015 5878 5663 8875 8579 0413 3982 50

31989821.txt 361 bytes

6268 018D 0152 4988 3954 5116 4923 6445 6337 9419 4328 9819 6678 2960 5114 0250
4928 3201 1736 0881 5008 3428 4379 2566 5924 6775 9815 8452 2877 1032 7563 1870
7499 4907 4563 8390 6685 3187 1679 6529 1027 0357 5047 8458 4067 3248 3191 6969
6075 2312 8520 0799 6650 3609 1216 8979 4361 5211 8025 3342 6211 5087 8187 4168
9470 2357 8498 9826 4748 3232 4096 7067 4254 1810 5276 9614 1764 9406 2815 1493
7530 5331 4431 9885 3923 3298 7875 9033 2790 9692 4598 1626 7195 8694 5508 6439
4941 5311 2676 5841 1514 5418 7237 1738 1271 9620 3242 8518 1140 0262 5481 0775
9288 7695 0095 1551 7191 3506 8442 3492 6719 7953 2065 1081 7459 2211 9621 0686
1384 2465 0297 1186 4780 7195 2731 7840 6058 5665 0225 6913 7746 4902 2577 3822
4984 2192 1665 3366 9435 3244 8843 1991 2692 8864 7215 8861 8793 4165 5397 7498
5687 1772 4621 1594 0694 4564 5500 5272 0196 7813 7959 4459 7541 3131 0755 7294
8218 9719 5554 6162 6059 4684

Mni Tnx maleAnon.

BR, CB, DoK, FN, FS, Gert, GD, GN, HFD, J-FL, JO, JPL, MB, ML, MP, MS, PLdn, PP, RNGB, Westli, Westt1us, Anon.

GERMAN BRANCH REPORT

E2Kde meeting and interesting X06 news - The report from E2K's German Branch (E2Kde) and X06 team

Hallo liebe Freunde und Kollegen der deutschen Branche und des X06 Teams von E2K (Hello dear friends and colleagues of E2K's German Branch and the X06 team)

ENIGMA2000 is 10 years young now, and its German Branch will be 7 in March 2011. Both E2K and E2Kde do much work and will build it up next time. But now E2Kde wants to say: Thanks E2K for 10 years of excellent and serious work for our common hobby! Without you, E2Kde wouldn't exist today.

In these days, I have another interesting jubileum: 30 years of "cassette pairs" with numbers recordings. On 28.12.1980 I started my 1st cassette pair, and now there are up to 745, most of them full with numbers stations! In 2007 I sent Simon Mason a C-120 cassette with many recordings, which he uploaded on his site (take a listen at www.simonmason.karoo.net/jochenkopf.htm)

In this report I will give a more detailed review of our E2Kde meeting, and after that as usual the X06 section with some interesting news.

E2Kde meeting

Our 2nd official meeting took place in the house of DetlevE2Kde in Cologne on November 20th. We were already there, as we had our inofficial meeting on May 29th (see NL59). This time we were 4 people: Again Peter Staal visited us from the Netherlands and another E2K member from the UK. Unfortunately only Detlev and Kopf were there from E2Kde. Although we invited the German Branch via E2K and "Secret Worlds" ("Geheime Welten"), no other E2Kde member could come. Anyway, we had an interesting meeting.

In this context, Detlev presented the software program "Propagation Wizard", made by Rohde & Schwarz, which shows you, in which times of the day you can hear stations from your QTH. For example, he could tell us, when he can receive V2a best at his Cologne QTH – or also the Vietnamese numbers station.

Peter Staal will hold a lunch lecture about the history of technology at the Technical University of Delft/NL, probably in February next year. In this lecture he also wants to include the technology of espionage / numbers stations in the radio. If this will be possible for him, he will also bring samples of numbers stations (mostly from the Conet CDs). He plans to make videos of this lecture. He'll keep the group posted, when it will exactly take place. Already now, we wish him much success.

Detlev has a great collection of spy material, not only the speech Morse generator, but also many documents, photos or small surveilance cameras. He showd us a lot of his collection. Also some other photos were shown, for example from Russian transmitters. One of them you can find on the front page of NL61.

Another part of our meeting was dedicated to receiver and antenna tests. Detlev and Peter presented their different receivers and antennas. As we know, the most important thing for shortwave reception is the antenna, and with good antennas you can receive more stations. Peter showd his loop antenna, which was combined with his receiver. We tried some E10 frequencies and if we could find a transmission, and yes, (only) twice we were successful: at 1805 UTC on 4880 kHz and one hour later on 9130 kHz (logs see E10 section of this NL).

All people, who could not come to the Cologne meeting (especially E2Kde members) missed something very interesting. That's not all: "The show must go on" – and how?

To build up our numbers network, we plan one of the next numbers meetings in Great Britain (perhaps for the next summer). We want to meet the other numbers friends from UK very soon. That's why I suggested via "Secret worlds" to meet again in Germany before that time, so that we can come with a bigger German delegation to UK. That would be fine and very interesting. I'm sure, that, if such an initiative would be started, also hobbyfriends from other countries would come to this E2K meeting in the UK!

At the end of this section here is a little anecdote from the last December days.

Gardeners and numbers stations

What is common with them? On the regional Gardener's Exhibition ("Landesgartenschau") 2010 in Bad Nauheim/West Germany, the German Amateur Radio Club (DARC) had a place to present the hobby for the public. One of the people, who saw the DARC there, was Karl-Heinz (now Karl-HeinzE2Kde), who remembered back to 1980, as he recorded numbers stations. On December 27th we met in Bad Nauheim, where he showd me his old numbers recordings from May 1980 on cassette. They will be sent to SIS Germany for the website, so that all of you can enjoy them; of course, Simon Mason can use them for his page too. The recordings are: G15 "Papa November", G03 Gong Station, G08 Stasi Station (4-note rising scale – out of tune), G05 Counting Station, G12 NNN, G11 "Strich" (0-msg) and S10 (unfortunately without piano intro). That's great stuff, followed by more recordings, which I will get from Karl-HeinzE2Kde soon.

X06

Peter, our analyzer and vice-Kopf, worked out interesting facts and data about the subject of X06 "Alerts", which we first mentioned in NL 58 and log from NL 59 on regularly. He gives an excellent definition, what exactly an Alert is and which so called "Alert types" can be possible. Here is an excerpt from what he writes:

Commentary:

Since the concept of "Alerts" was considered there been some concern that this is not a relevant issue. In an effort to confirm the principle of Alerts, it was thought appropriate to look further into this topic by looking in more detail at the data on which it is based.

Firstly some definitions:

1. An Alert is an indication by the sender that a particular transmission is more significant than normal.

2. The initial frequency used is referred to as the Alert frequency or Primary, subsequent frequencies are Secondary, Tertiary, Quaternary and Quinery

3. An Alert is identified as a signal that contains a tone sequence which is repeated on the same or different frequencies to the Primary signal within 30 minutes of the original transmission.

4. There are several possible types of Alert and these are defined as:

   i) A signal with same tone sequence occurring within 30 minutes of the Primary and where the second frequency is a repeat of the Primary.
   ii) A signal with same tone sequence occurring within 30 minutes of the Primary and where a Secondary frequency is used which is different to the Primary.
   iii) A signal with same tone sequence occurring within 30 minutes of the Primary and where Secondary and Tertiary frequencies are used and which are different to the Primary.
   iv) A signal with same tone sequence occurring within 30 minutes of the Primary and where Secondary, Tertiary and Quaternary frequencies are used and which are different to the Primary.
   v) A signal with same tone sequence occurring within 30 minutes of the Primary and where Secondary, Tertiary, Quaternary and Quinery frequencies are used and which are different to the Primary.
   vi) A signal with same tone sequence occurring within 30 minutes of the Primary and where Secondary is the same as the Primary, and Tertiary is different to either the Primary or Secondary
   vii) Other

The present X06 database consists of 1429 logged signals as of 30 November 2010 and a check of these reveals approximately 336 transmissions which could qualify as Alert components. Of these, 158 can be identified as corresponding to the above parameters

In summary there are:

	Quantity	Alert type
	14	i
	117	ii
	14	iii
	2	iv
	0	v
	3	vi
	8	vii
Total	158	

[.…]
Thus out of 1429 logged signals 158 are identified as Alerts, just 11%

[.…]
Also it is interesting that the tone sequences match these repeats in all but one example.

Conclusions:

It does seem that there is some validity in the concept of Alerts. The percentages are not fully conclusive but 45 matches out of 158 total Alerts (28%) and 45 matches out of 131 Alerts(Type 1 and 2) 34% indicate a pattern of which we should be aware when looking for X06 transmissions.
[.…]

In the E2K NLs we have all the X06 logs listed, but if someone is interested in the database, please contact Peter (Peter@bmsona.co.uk). Many thanks to him for this excellent stuff. From now on we'll log such alerts with the number of the type they are. The first alert of every report will have the word "type" (with number) in it, the other alerts only the number, as you can already see in this logs section.

Before we start it, here are 3 logs from Leif Dehio. On October 23rd, he found 3 X06 transmissions, all of them with the same scale (621543) and 2 on new frequencies. These are sent in alert form (type 3):

20101023 Sat 1715 11125 Leif Dehio Pt. 1
20101023 Sat 1725 7870 Leif Dehio Pt. 2: new freq
20101023 Sat 1734 10592 Leif Dehio Pt. 3: new freq

At the beginning of November, we often had the scale "156234" on many different (partially new) frequencies. In this time, only less other scales were there. In these days, a spy event happened, which was important for Russia. The logs section will show you all the monitored X06 transmissions as usual.

X06 Mazielka (1C) logs section

Date	Day	UTC	Freq	Scale	Monitor	Comments
20101101	Mon	1359-1403	16025	156234	Peter/UK	Good
20101101	Mon	1643-1645	12199	532614	Peter	Good, but lost at 1645
20101103	Wed	0904-0905	14377	432516	Peter	Good
20101103	Wed	1306-1314	11440	215346	Peter	Alert type 2, pt. 1: S5-7
20101103	Wed	1317-1319	14650	215346	Peter	Pt. 2: S9+
20101103	Wed	1556-1601	12207	215346	Peter	Comeback on different freq
20101103	Wed	1605-1614	13940	156234	Peter	S5-7 with QRM
20101103	Wed	1623-1625	10731	156234	Peter	poor with same scale (error?)
20101103	Wed	1626-1631	10731	314265	Peter	Changed scale – poor (lost at 1631)
20101104	Thu	0903-0907	10714	156234	RNGB	Monitored in progress
20101105	Fri	0702-0704	16025	156234	RNGB	Monitored in progress
20101105	Fri	0909-0915	11525	156234	Peter	Alert 2, pt. 1: fair
20101105	Fri	0931-0941	18321	156234	Peter	Pt. 2: poor with echo (or 2 TXs?)
20111105	Fri	1014-1033	13940	156234	Peter	S5-9+ with some QRM
20101108	Mon	0903-0904	13423	421635	RNGB	Monitored in progress
20101108	Mon	1536-1542	16025	156234	Peter	Alert 2, pt. 1: S3-8 good
20101108	Mon	1547-1548	14871	156234	Peter	Pt. 2: S6-7 good
20101108	Mon	1602-1605	5772	156234	RNGB	Monitored in progress
20101111	Thu	1510-1513	10214	263145	Peter	
20101111	Thu	1554-1556	14871	156234	Peter	S7-9+
20101111	Thu	1557-1559	11440	215346	Peter	S1 – very weak
20101111	Thu	1601	9035	645321	RNGB	Alert 2, pt. 1: only a few secs
20101111	Thu	1601-1612	10731	314265	Peter, RNGB	S2-3 - poor with QRM
20101111	Thu	1608-1613	9041	645321	RNGB	Pt. 2
20101111	Thu	1614-1616	12120	164253	Peter, RNGB	S7 good
20101111	Thu	1617-1619	13940	156234	Peter, RNGB	S5-6
20101116	Tue	1042-1043	12100	123456	Peter	X06c – S7-8 clear
20101117	Wed	1544-1545	11125	216354	Peter	Alert 2, pt. 1: v. weak, evtl. Lost
20101117	Wed	1549-1553	13961	216354	Peter	Pt. 2: S5-6 good
20101117	Wed	1628-1639	11440	215346	Peter	S3-5 good
20101118	Thu	1207	12100	123456	Peter	X06c with Windows "error" signals
20101118	Thu	1354	14812		Peter	Too short (no scale, no recording)
20101120	Sat	1301-1307	9128	164253	Hans	New freq - weak/fair (local TV-QRM)
20101120	Sat	1449-1451	9128	164253	Peter	Fair and clear
20101122	Mon	1125-1129	16115	215346	Peter	S5-6 good
20101122	Mon	1132-1137	16025	156234	Peter	Alert 3, pt. 1: S8 good
20101122	Mon	1141-1143	18321	156234	Peter	Pt. 2: S4-5, but clear
20101122	Mon	1145-1150	14871	156234	Peter	Pt. 3: S5-6
20101126	Fri	1223-1226	16025	156234	Peter	Alert 2, pt. 1: S2 poor
20101126	Fri	1229-1233	18321	156234	Peter	Pt. 2: S8 good
20101126	Fri	1324-1331	16025	156234	Peter	2nd alert 2, pt. 1: S8-9 with fading
20101126	Fri	1333-1341	14871	156234	Peter	Pt. 2: S2-3
20101201	Wed	0734-0735	12150	256341	Hans	Weak
20101201	Wed	1032-1058	16025	156234	Hans	Weak/fair

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20101203 Fri 1130-1131 16115 215346 Peter       Alert 2, pt. 1: poor S4
20101203 Fri 1138-1139 14650 215346 Peter       Pt. 2: S9
20101203 Fri 1206-1213 14547 645321 Peter       Good S6-7
20101207 Tue 0955-1007 18206 246531 Peter, Hans Alert6, pt.1: S8-9 UK, weak/fair NO
20101207 Tue 1009      13510 612534 Hans        Fair shortie i. p. (around 50 secs)
20101207 Tue 1010-1013 14812 246531 Hans        Pt.2: fair/strong
20101207 Tue 1016-1020 18206 246531 Peter       Pt.3: S7-9
20101207 Tue 1040      18206 246531 Peter       Pt.4: S7-9, shortie (29 secs)
20101209 Thu 1103-1111 14650 215346 Peter       Good
20101209 Thu 1106      14970 216354 Peter       Shortie – good
20101209 Thu 1840-1845  5865 154632 Mikesndbs   S9 with BC QRM
20101211 Sat 1523-1524 12152 432516 RNGB        Alert2 with a rare scale, pt. 1
20101211 Sat 1533-1534  7823 432516 RNGB        Pt. 2
20101212 Sun 1019-1021 11125 216354 Peter
20101213 Mon 0930-0932 16117 463125 Peter       S8 good
20101213 Mon 1302-1303 12177 364152 Peter       Fair
20101213 Mon 1500-1504 13940 156234 Peter       Very weak – finally lost
20101213 Mon 1623-1635 10714 156234 Peter       Also very weak – finally lost
20101214 Tue 0859-0905 14871 156234 RNGB        Monitored i. p.
20101214 Tue 0925      13420 534216 RNGB        Shortie, also monitored i. p.
20101216 Thu 1049-1053 12194 625413 Peter       S9 with some fading
20101216 Thu 1149-1150 12194 625413 Peter       S4-5
20101218 Sat 1218      11525 156234 Peter       S5-7 clear shortie
20101222 Wed 1403-1407 16117 463125 Peter       S2-4
20101228 Tue 1556-1557 13940 156234 Peter       Very weak shortie (only 32 secs)
```

VOICE STATIONS

E06 [1A]

PoSW's logs then into others.

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

4-Nov-10:- 4,836 kHz, changed from 5,186 used in September and October, calling "472", DK/GC "678 678 15 15". Good signal, none of the clipping or distortion noted in the recent past. "34582 76958 37198 47287 12678 94627 56298 47157 43829 19823 14378 45092 08091 09876 10203".

18-Nov-10:- 4,836 kHz, started 45 seconds before the half hour, call "321", DK/GC "456 456 15 15", not the same as on the 4th. "34276 68594 45382 34768 56749 45693 37297 48794 36581 48753 27168 56493 25489 45632 29871".

2-Dec-10:- 4,836 kHz, started about 2029 and 10 seconds UTC, early starts seem to be the fashion these days! Call "321", DK/GC "567 567 15 15 24351 56473 56473 89079 76856 54352 12321 34215 67584 65748 12343 34524 54676 87886 98705".

Friday 2130 UTC Schedule:-

5-Nov-10:- 4,760 kHz, call "472", DK/GC "678 678 15 15". Same call, DK, GC and 5Fs as yesterday's 2030z sending, see above. Seasonal change of frequency from 5,197 kHz of September and October.

19-Nov-10:- 4,760 kHz, about 45 seconds early by my MSF clock! "472" and "678 678 15 15", same as on Friday 5-Nov and Thursday 4-Nov - but *not* Thursday 18-Nov.

3-Dec-10:- 4,760 kHz, another early start – by almost one minute. Call "472", DK/GC "342 342 15 15". S9 signal.
"15473 87629 06747 23986 26478 35640 97065 34201 30976 46285 26483 47593 20970 50483 02846".

17-Dec-10:- 4,760 kHz, started 35 seconds before the half-hour, "472" and "342 342 15 15", same as last time but a much weaker signal.

I think the long-standing fourth Thursday in the month 2100 + 2200 UTC schedule has now ceased to be, shown as "not heard" September and October in the Newsletter Family 1A History and Prediction chart; I forgot all about it for several months but made a point of looking for it on the fourth Thursday in November but nothing found.[*Tnx Peter*]

RNGB's logs:

November

Thurs 4th	20.30	4836	472 678 15 34582 76958 37198 47287 12678…..10203
Fri 5th	07.00	18200	507 193 75 groups (very weak)
Fri 5th	21.30	4760	472 678 15 34582 76958 37198 47287 12678…..10203
Sat 6th	01.30	5837	759 648 31 99610 48627 73855 94062 20938.....69246
Weds 10th	19.20	3670	743 00000
Thurs 11th	07.00	18200	507 00000
Sat 27th	01.30	5837	759 841 36 35670 04855 46678 83967 79547.....96111
Sat 27th	14.00	7377	818 739 45 35689 10844 72284 96216 66562…..02777
	14.13		818 526 47 82626 65273 94548 40090 83484…..86305
Sat 27th	15.00	5380	818 739 45 35689 etc
	15.13		818 526 47 82626 etc (repeat of above 2 messages)

December

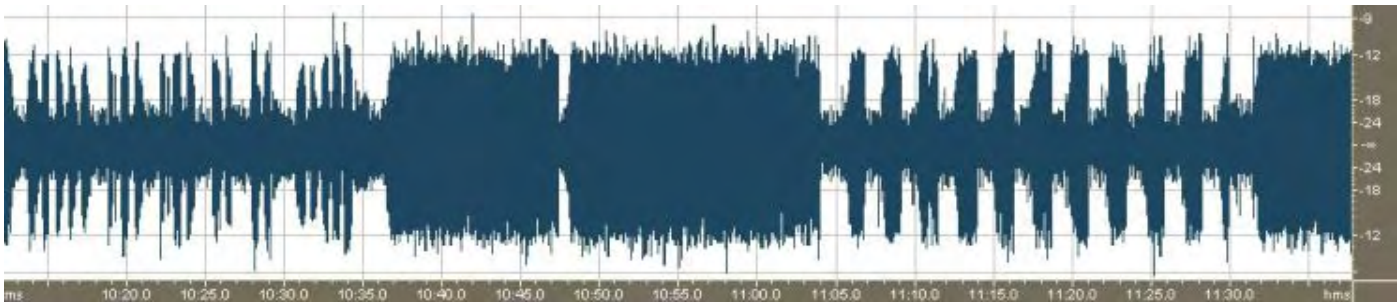
Thurs 2nd	20.30	4836	321 567 15 24351 56473 56473 89079 76856…..98705
Fri 3rd	21.30	4760	472 342 15 15473 87629 06747 23986 26478…..02846
Sat 4th	01.30	5796	759 618 32 17465 11709 94380 67962 29127.....00733
Sat 4th	12.15	10423	058 719 36 03526 15874 19673 34324 37755.....27763
Sat 4th	12.26	10423	058 264 35 28883 28383 82086 77067…...87571
Sat 4th	13.15	8167	058 719 36 03526 15874 19673 34324 37755.....27763

Thurs 9th	07.00	15940	923 00000
Sat 11th	01.30	5796	759 684 31 74628 18934 32653 60138 18860…..93167
Sun 12th	12.20	5806	743 00000
Thurs 16th	07.00	15940	923 456 107 groups (weak, QSB)
Thurs 16th	20.30	4836	321 567 15 24351 56473 56473 89079 76856 54352 12321 34215 67584 65748 12343
Sat 18th	01.30	5796	759 246 38 90193 73592 33724 49710 79442.....59230
Sun 26th	01.30	5796	759 612 30 27784 58978 65728 24712 27338.....45570

Onto all others:

November 2010

4583kHz	0230z	06/11[759 648 31 99610 ... 69426 648 31 00000(f)] 0240z Fair, QSB2	(9m33s)	PLdn	SAT
	0230z	07/11 Odd characters only, QRM4/5		PLdn	SUN
	0230z	13/11[759 381 42 65340 ... 19563 381 42 00000(f)] 0241z Very strong	(11m26s)	PLdn, DanAr,Hans	SAT
	0230z	20/11[759 462 38 89181 ... 77117 462 38 00000(f) 0241z Strong, TTYQRM2	(10m45s)	PLdn	SAT
	0230z	21/11[759 462 38 89181 ... 77117 462 38 00000(f) 0241z Very strong, TTYQRM2	(10m45s)	PLdn	SUN
	0230z	27/11[759 841 36 35670 ... 96111 841 36 00000(f)] 0240z Fair, QRN2 -- tx troubles?	(10m25s)	PLdn	SAT
	0230z	28/11[759 841 36 35670 ... 96111 841 36 00000(f)] 0240z Very strong	(10m25s)	PLdn	SUN
		Additional carriers after conclusion of message, see dia below 5837kHz 0130z 28/11			
4760kHz	2130z	05/11[472 678 15 34582 ... 10203 678 15 00000(s)] 2138z Fair to strong. QSB2	(7m35s)	PLdn	FRI
	2130z	19/11[472 678 15 34582 ... 10203 678 15 00000(s)] 2138z Fair, QRM2	(7m35s)	PLdn	FRI
4836kHz	2030z	04/11[472 678 15 34582 ... 10203 678 15 00000(s)] 2037z Fair, QRM3	(7m26s)	PLdn, Mndbs	THU
	2030z	18/11[321 456 15 .... 15 00000] Strong signal with some moderate noise		FR, PLdn, Mndbs, FN	THU
		321 456 15 34276 68594 45382 34768 56749 45693 37297 48794 36581 48753 27168 56493 25489 45632 29871 456 15 00000(s)			
5380kHz	1500z	27/11 - Two messages:* Message 1: [818 739 45 35689 10844 .... LG 02777] Ended 1512z Message 2: [818 526 47 82626 62573 .... LG 86305] Ended 1525z *See 7377kHz notes.		Hans	SAT
5806kHz	1219z	14/11[743 00000] Noisy audio, Strong		Hans	SUN
5837kHz	0130z	06/11[759 648 31 99610 48627 ... 69426]		DanAr, PLdn	SAT
	0130z	07/11[759 648 31 99610 ... 69426 648 31 00000(f)] 0140z Strong	(9m33s)	PLdn	SUN
	0130z	13/11[759 381 42 65340 ... 19563 381 42 00000(f)] 0141z Strong	(11m26s)	PLdn, DanAr[wk] Hans	SAT
	0130z	14/11[759 381 42 65340 ... 19563 381 42 00000(f)] 0141z Strong	(11m26s)	PLdn	SUN
	0130z	20/11[759 462 38 89181 33786 .... 77117] Weak signal, QRN2 Strong in London, with DATAQRM2		DanAr, PLdn	SAT
	0130z	21/11[759 462 38 89181 33786 .... 77117]		AE,DanAr, Hans	SUN
	0130z	27/11[759 841 36 35670 ... 96111 841 36 00000(f)] 0140z Fair, QSB3 -- tx troubles?	(10m25s)	PLdn, Hans	SAT
	0130z	28/11[759 841 36 35670 ... 96111 841 36 00000(f)] 0140z Very strong	(10m25s)	DanAr,Hans, GN	SUN
		Additional carriers after conclusion of message, see dia below:			



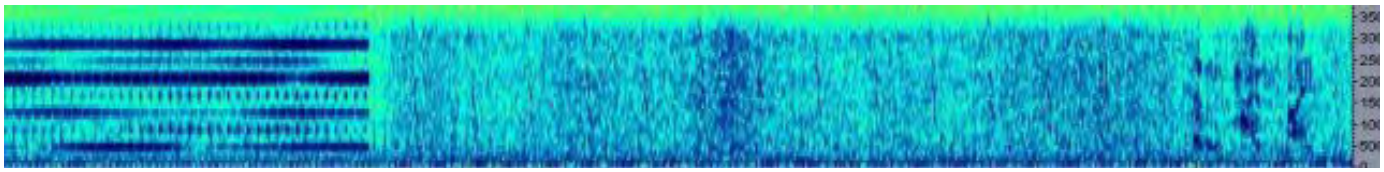
Dia refers to carriers rising after 0130 and 0230z E06 sendings dtd 28/11. Both transmissions of 27/11 had noise on freq thought to be QRN, now possibly thought to be tx generated noise.

7377kHz	1400z	27/11 - Two messages: Message 1: [818 739 45 35689 10844 .... LG 02777] Ended 1412z Message 2: [818 526 47 82626 62573 .... LG 86305] Ended 1425z Error in message 2, group 27. Continued from group 22 after 818 calls. Repeat on 5380kHz at 1500z. Error in the exact same group.... All signals strong with QSB		Hans	SAT

Of the two messages and error, RNGB who also heard this apparently unscheduled transmission reports:" First message broke at same position (group 63752) on both transmissions with an immediate restart giving ID 818 then continuation from break.
Probably a recorded message rather than one sent live from the computer over the net.
As there is a digit repeat in call-up ID (8) and slow delivery, would suggest a probable training exercise. Also, this is an unknown schedule."

December 2010

4516kHz	0230z	04/12[759 618 32 17465 ... 00733 618 32 00000(f)]0240z Very Strong, XWPQRM2	(9m49s)	PLdn	SAT
	0230z	05/12[759 618 32 17465 ... 00733 618 32 00000(f)]0240z Very Strong,	(9m49s)	PLdn	SUN
	0230z	11/12[759 684 31 74628 ... 93167 684 31 00000(f)] Very strong, XWPQRM2	(9m41s)	PLdn	SAT
	0230z	12/12[759 684 31 74628 ... 93167 684 31 00000(f)] Very strong, XWPQRM2	(9m41s)	PLdn, SL	SUN



Spectral view shows data signal heard on both E06 freqs on before the 0130 and 0230z transmissions 12/12. On right is the response for '759.' [4516kHz 0213z 12/12]

4516kHz	0230z	18/12[759 246 38 90193 ... 59230 246 38 00000] 0240z Strong	(10m50s)	PLdn	SAT
	0230z	19/12[759 246 38 90193 ... 59230 246 38 00000] 0240z Very strong, XWPQRM2	(10m50s)	PLdn	SUN
	0230z	25/12[759 612 30 27784 ... 45570 612 30 00000(f)] 0239z Strong XWPQRM2	(9m25s)	PLdn	SAT
	0230z	26/12[759 612 30 27784 ... 45570 612 30 00000(f)] 0239z Strong XWPQRM2	(9m25s)	PLdn, Gert	SUN
4760kHz	2130z	03/12[472 342 15 15473 ... 02846 342 15 00000(s)]2137z Strong 472 342 15 15473 87629 06747 23986 26478 35640 97065 34201 30976 46285 26483 47593 2097050483 02846 342 15 00000	(6m52s)	PLdn,HJH	FRI
4760kHz	2130z	17/12[472 342 15 15473 ... 02846 342 15 00000(s)] 2137z Fair, QRM3	(6m54s)	PLdn	FRI
4836kHz	2030z	02/12[321 567 15 24351 ... 98705 567 15 00000(s)] 2037z Strong 321 567 15 24351 56473 56473 89079 76856 54352 12321 34215 67584 65748 12343 34524 54676 87886 98705 567 15 00000	(6m42s)	RE, HJH, PLdn	THU
	2030z	16/12[321 567 15 24351 ... 98705 567 15 00000(s)] 2037z Fair, QRM3	(6m42s)	PLdn	THU
5796kHz	0130z	04/12[759 618 32 17465 11709 .... 00733]		DanAr, PLdn	SAT
	0130z	05/12[759 618 32 17465 11709....] Fair/Strong		Hans	SUN
	0130z	11/12[759 684 31 74628 18934 ..... 93167]		DanAr, PLdn	SAT
	0130z	12/12[759 684 31 74628 18934 ..... 93167]		DanAr, PLdn, SL	SUN
	0130z	18/12[759 246 38 90193 73592 .... 59230 246 38 00000] 0140z Fair		Hans, PLdn	SAT
	0130z	19/12[759 246 38 90193 73592 33724 ..... 59230]		DanAr, Hans, PLdn	SUN
	0130z	25/12[759 612 30 27784 ... 45570 612 30 00000(f)]0139z Strong	(9m25s)	PLdn, DanAr	SAT
	0130z	26/12[759 612 30 27784 ... 45570 612 30 00000(f)]0139z Strong	(9m25s)	PLdn, Gert	SUN

E07 [1B]

We start with PoSW's logs:

Sunday + Wednesday Schedule:-

7-Nov-10, Sunday:- 1800 UTC, 8,193 kHz, "199 199 199 1", DK/GC "773 50" x 2, difficult copy due to low mod. There seemed to be another voice in the background, like a BC station, very faint.
1820 UTC, 6,982 kHz, second sending, slightly better audio.
1840 UTC, 5,938 kHz, third sending, strong carrier but very low modulation - and the added bonus of broadcast interference since this is the 49 metre band. Same trio of frequencies as in November of past years.

10-Nov-10, Wednesday:- 1800 UTC, 8,183 kHz, "199 199 199 000". S9 signal with excellent modulation, what a contrast from the usual performance from E07.
1820 UTC, 6,982 kHz, second sending, weaker signal at S6 but still with unusually good audio.

14-Nov-10, Sunday:- 1800 UTC, 8,183 kHz, "199 199 199 000". S9+ carrier but very low mod and slight background buzz.
1820 UTC, 6,982 kHz, second sending, also S9+ carrier but with almost inaudible voice and background buzz.

21-Nov-10, Sunday:- 1800 UTC, 8,183 kHz, "199 199 199 000", S7, mod low but readable.

28-Nov-10, Sunday:- 1800 UTC, 8,183 kHz, "199 199 199 1", a "full message" transmission but unable to hear anything due to low mod.
1820 UTC, 6,982 kHz and 1840 UTC, 5,938 kHz, repeats unreadable for the usual reason.

1-Dec-10, Wednesday:- 1800 UTC, 6,982 kHz, new frequencies for December, "989 989 989 2" - a two message transmission, not heard one of those for a while, there must be something going on! First DK/GC "921 57" x 2. At just before 1809 UTC finished first message, called "989....." again for a minute then second DK/GC "2517 161" - a very long message and with better than usual audio. Ended with "000 000" just before 1827z.
1832 UTC, 5,836 kHz, running late, second sending.
1903 UTC, 4,938 kHz, third sending, good modulation, heterodyne from a carrier on 4,940 kHz presumably a tropical broadcast station.

12-Dec-10, Sunday:- 1800 UTC, 6,982 kHz, S9 carrier but very low audio; unreadable, gave up, went back to watching, "Force 10 from Navarone", running on Channel Five TV!

Monday + Wednesday Schedule:-

8-Nov-10, Monday:- 2000 UTC, 7,724 kHz, "798 798 798 1", DK/GC "895 47" x 2.
2020 UTC, 6,924 kHz, second sending.
2040 UTC, 5,824 kHz, third sending, S9+ with slight background buzz.
Same trio of frequencies as used in February this year.

10-Nov-10, Wednesday:- 2020 UTC, 6,924 kHz, second sending, “798” and “895 47” again.
2040 UTC, 5,824 kHz, third sending, S9+ signal.

22-Nov-10, Monday:- 2000 UTC, 7,724 kHz, “798 798 798 1”, DK/GC “895 47” x 2 - same message as heard earlier in the month.
2020 UTC, 6,924 kHz, second sending
2040 UTC, 5,824 kHz, third sending, S9+.

1-Dec-10, Wednesday:- 2020 UTC, 6,778 kHz, “472 472 472 1”, DK/GC “895 47” x 2.
Looks like the same message which has been running in November.

13-Dec-10, Monday:- 2000 UTC, 7,478 kHz, first sending of this schedule, very low audio,
difficult to hear, could just make out the three x “zero” of a “no message” transmission. Carrier went off 2002 and 28 seconds UTC. Interference from S9+ broadcaster in Greek language, so presumably “The Voice of Greece” on 7,475.

Thursday Schedule:-

4-Nov-10:- 2130 UTC, 5,449 kHz, “744 744 744 000”, mod low but readable, interference from RAF VOLMET on 5,450.

11-Nov-10:- 2110 UTC, 6,777 kHz, “744 744 744 000”, strong “XJT” on a close frequency.

18-Nov-10:- 2110 UTC, 6,777 kHz, “744 744 744 000” much better than usual modulation, no problem to copy.
2130 UTC, 2130 UTC, 5,449 kHz, second sending, S9 signal with good modulation.

25-Nov-10:- 2110 UTC, 6,777 kHz, “744 744 744 000”.

9-Dec-10:- 2110 UTC, 6,777 kHz, “744 744 744 000”, weak signal but readable.

Wednesday *E07a* SSB Schedule:-

10-Nov-10:- 2100 UTC, 5,864 kHz, “815 815 815 000”.

1-Dec-10:- 2100 UTC, 5,864 kHz, “815 815 815 1 33330”, DK/GC “195 69” x 2.
2120 UTC, 5,164 kHz, second sending.
2140 UTC, 4,564 kHz, third sending, usual strong SSB signals.

Thanks Peter, and onto RNGB’s logs

November 2010

Mon 1st	20.20	6924	798 1 895 47 08534 27659 31458 85166 09383
Wed 3rd	18.00	8183	199 1 6773 50 58164 86276 21180 78081
Wed 3rd	18.20	6982	199 1 6773 50 58164 86276 21180 78081
Wed 3rd	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Wed 3rd	20.20	6924	798 1 895 47 08534 27659 31458 85166 09383
Wed 3rd	20.40	5824	798 1 895 47 08534 27659 31458 85166 09383
Mon 8th	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Tues 9th	08.00	5867	873 1 3415 135 6343- 41827 61267 619-9
Tues 9th	08.40	7367	873 1 3415 135 6343- 41827 61267 619-9
Thurs 11th	21.30	5449	744 000
Mon 22nd	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Tues 23rd	08.00	5867	873 000
Wed 24th	18.20	6982	199 1 2597? 165? 92-74 ?
Wed 24th	20.20	6924	798 1 895 47 08534 27659 31458 85166 09383
Mon 29th	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Tues 30th	08.00	5867	873 000

December 2010

Weds 1st	18.00	6982	989 2 921 57 80947 43629 79646.....74870
Weds 1st	18.10	6982	989 2 2517 161 92374 05368 33559…...95412
Wed 1st	18.32	5836	989 2 921 57 80947 etc
Wed 1st	19.03	4938	989 2 921 57 80947 etc (repeat of above 2 messages)
Wed 1st	20.00	7478	472 1 895 47 08534 27659 31458 85166 09383
Wed 1st	20.20	6778	472 1 895 47 08534 27659 31458 85166 09383
Thurs 2nd	08.00	5234	278 000
Thurs 2nd	21.30	5449	744 000
Sun 5th	18.00	6982	989 2 921 57 80947 43629 79646.....74870
Sun 5th	18.08	6982	989 2 2517 161 92374 05368 33559.....95412
Sun 5th	18.31	5836	989 2 921 57 80947 43629 79646.....74870
Sun 5th	19.02	4938	989 2 921 57 80947 43629 79646.....74870
Tues 7th	08.20	5734	278 000
Wed 8th	18.00	6982	989 000
Mon 13th	20.20	6778	472 000
Tues 14th	08.20	5734	278 000
Thurs 16th	21.10	6777	744 000
Sun 19th	18.20	5836	989 000
Mon 20th	20.00	7478	472 000
Weds 22nd	18.00	6982	989 000
Tues 28th	08.00	5234	278 000
Weds 29th	18.00	6982	989 1 675 43 06468 56729 50686 08136 31899
Thurs 30th	21.10	6777	744 1 798 42 60021 62775 17069 27150

Onto all others' logs:

November 2010

5449kHz	2130z	18/11[744 000] Very strong signal, VOLMET in bg		FR	THU
	2130z	25/11 [744 000] Weak, VOLMETQRM, noisy		FR	THU
5824kHz	2040z	01/11[798 1 895 47 08534 ... 63177 000 000] 2047z Fair, readable	(7m20s)	PLdn	MON
	2040z	03/11[798 1 895 47 08534 ... 63177 000 000] 2047z Fair, readable	(7m20s)	PLdn	WED
	2040z	08/11[798 1 895 47 08534 27659 .... 63177 000 000] 2047z Strong		Hans, PLdn	MON
	2040z	10/11[798 1 895 47 08534 ... 63177 000 000] 2047z Fair	(7m22s)	PLdn	WED
	2040z	15/11[798 1 895 47 08534 ... 63177 000 000] 2047z Weak,QRM2	(7m22s)	PLdn	MON
	2040z	22/11[798 1 895 47 08534 ... 63177 000 000] 2047z Strong	(7m22s)	PLdn, HJH	MON
	2040z	24/11[798 1 895 47 08534 ... 63177 000 000] 2047z Strong, PLTQRM2	(7m22s)	PLdn, SL	WED
	2040z	29/11[798 1 895 47 08534 ... 63177 000 000] 2047z Fair	(7m22s)	HJH, PLdn	MON
5867kHz	0800z	02/11 Carrier, QRM3		PLdn	TUE
	0800z	04/11[873x3 000]		GD	THU
	0800z	09/11 strong carrier		PLdn	TUE
	0800z	16/11[873 000] Weak audio, carrier up 3m48s, voice 2m13s		PLdn	TUE
	0800z	18/11[873 000] 0802z Weak audio, XJT warming up during last 45s	(2m13s)	PLdn	THU
	0800z	23/11[873 000] Weak audio	(2m13s)	PLdn	TUE
	0800z	30/11[873 000] Weak audio	(2m13s)	PLdn	TUE
5938kHz	1840z	03/11[199 1 6773 50 58164 ... 41131 000 000] 1848z Strong, BCQRM3/4	(7m39s)	PLdn	WED
	1840z	07/11[199 1 6773..... 000 000] 1848z Little heard, BCQRM3/4	(7m39s)	PLdn	SUN
	1840z	24/11[199 1 2517 161 72374 ... 85412 000 000] 1859z Weak, QRM3	(18m43s)	PLdn	WED
	1840z	28/11 carrier only		PLdn	SUN
6802kHz	1820z	14/11[199 000], Moderate signal strenght with fading, low noise		FR	SUN
6767kHz	0820z	02/11[873 000] Weak audio, QRM3		PLdn	TUE
	0820z	09/11 XJTQRM5		PLdn	TUE
	0820z	16/11 XJTQRM5		PLdn	TUE
	0820z	18/11[873 000] 0822z Strong	(2m13s)	PLdn	THU
	0820z	23/11[873 000] Weak readable	(2m13s)	PLdn	TUE
	0820z	25/11[873 000] 0822z Strong	(2m13s)	PLdn	THU
	0820z	30/11[873 000] Weak audio, XJTQRM3	(2m13s)	PLdn	TUE
6777kHz	2110z	18/11[744 000] Very strong signal, low noise		FR, HJH, PLdn	THU
	2110z	25/11 [744 000] Moderate sig strength, strong humming noise		FR, HJH	THU
6924kHz	2020z	01/11[798 1 895 47 08534 ... 63177 000 000] 2027z Fair, readable	(7m20s)	PLdn	MON
	2020z	03/11[798 000 000] 2027z Inaudible, QRM4	(7m20s)	PLdn	WED
	2020z	08/11 Carrier only, QRM3		PLdn	MON
	2020z	08/11[798 1 895 47 08534 ... 63177 000 000] 2027z Fair	(7m22s)	PLdn	WED
	2020z	22/11[798 1 895 47 08534 ... 63177 000 000] 2027z Very weak audio, QRM2	(7m22s)	PLdn, HJH	MON
	2020z	24/11[798 1 895 47 08534 ... 63177 000 000] 2027z Fair, QRM2	(7m22s)	PLdn	WED
	2020z	29/11[798 1 895 47 08534 ... 63177 000 000] 2027z Fair	(7m22s)	PLdn	MON
6982kHz	1820z	03/11[199 1 6773 50 58164 ... 41131 000 000] 1828z Strong, excellent audio	(7m39s)	PLdn	WED
	1820z	07/11[199 1 6773 50 58164 ... 41131 000 000] 1828z Fair, QRN/QSB2	(7m39s)	PLdn	SUN
	1820z	10/11[199 000] 1822z Strong	(2m16s)	PLdn	WED
	1820z	17/11[199x3 000]		GD, PLdn	WED
	1820z	21/11[199 000] Strong signal, noise seemed to be fading in and out fast.		FR	SUN
	1820z	24/11[199 1 2517 161 72374 ... 85412 000 000] 1839z Weak, QRM2	(18m43s)	PLdn	WED
	1820z	28/11 carrier only		FR, PLdn	SUN
7367kHz	0840z	09/11[873 1 3415 135 63433 ... 08331 000 000] 0854z Fair audio	(13m32s)	PLdn	TUE
	0840z	11/11[873 1 3415 135 63433 ... 08331 000 000] 0854z weak & noisy	(13m32s)	PLdn	THU
7724kHz	2000z	01/11[798 1 895 47 08534 ... 63177 000 000] 2007z Weak audio, QRM3	(7m22s)	PLdn	MON
	2000z	03/11[798 1 895 47 08534 ... 63177 000 000] 2007z Weak audio	(7m22s)	PLdn	WED
	2000z	08/11[798 1 895 47 08534 ... 63177 000 000] 2007z Very weak audio, QRM2/3	(7m22s)	PLdn	MON
	2000z	08/11[798 1 895 47 08534 ... 63177 000 000] 2007z Weak audio	(7m22s)	PLdn	WED
	2000z	22/11[798 1 895 47 08534 ... 63177 000 000] 2007z Fair audio, QRM2/3	(7m22s)	PLdn, HJH	MON
	2000z	24/11[798 1 895 47 08534 ... 63177 000 000] 2007z Fair audio	(7m22s)	PLdn	WED
	2000z	29/11[798 1 895 47 08534 ... 63177 000 000] 2007z Fair, QRM3/4	(7m22s)	PLdn	MON
8183kHz	1800z	03/11[199 1 6773 50 58164 ... 41131 000 000] 1808z Weak	(7m39s)	PLdn	WED
	1800z	07/11[199 1 6773 50 58164 ... 41131 000 000] 1808z Weak	(7m39s)	PLdn	SUN
	1800z	10//11[199 000] 1802z Fair, QRM2	(2m16s)	PLdn	WED
	1800z	14/11[199 000], Moderate signal strenght with fading, low noise		FR	SUN
	1800z	21/11[199 000] Strong signal, same carrier fading, moderate noise		FR , Mndbs	SUN
	1800z	24/11[199 1 2517 161 72374 ... 85412 000 000] 1819z Fair	(18m43s)	PLdn	WED
	1800z	24/11[199 1 2517 161 72374 ... 85412 000 000] 1819z QRM		FR	SUN

E07a

4564kHz	2140z	03/11[815 1 11590 178 51 23266 ... 08982 000 000] 2147z Strong, QRM2	(6m50s)	PLdn	WED
	2140z	17/11[815 1 11590 178 51 23266 ... 08987 000 000] 2147z Strong	(6m49s)	SL, PLdn	WED
5146kHz	0530z	04/11[188 1 11590 178 51 23266 ... 08982 000 000] 0537z Strong	(6m50s)	PLdn	THU
	0530z	11/11[188 000] 0532z Strong	(2m16s)	PLdn	THU
	0530z	18/11[188 1 11590 178 51 23266 ... 08982 000 000] 0537z Strong	(6m49s)	SL, PLdn	THU
	0530z	25/11[188 000] 0532z Strong	(2m14s)	PLdn	THU
5164kHz	2120z	03/11[815 1 11590 178 51 23266 ... 08982 000 000] 2127z Strong	(6m50s)	PLdn	WED
	2120z	10/11[815 000] Strong		PLdn	WED
	2120z	17/11[815 1 11590 178 51 23266 ... 08987 000 000] 2127z Strong	(6m49s)	PLdn	WED
	2120z	24/11[815 000] Strong		PLdn, HJH, SL	WED
5846kHz	0550z	04/11[188 1 11590 178 51 23266 ... 08982 000 000] 0557z Strong	(6m50s)	PLdn	THU
	0550z	11/11[188 000] 0552z Strong	(2m16s)	PLdn	THU
	0550z	18/11[188 1 11590 178 51 23266 ... 08982 000 000] 0557z Strong	(6m49s)	SL, PLdn	THU
	0550z	25/11[188 000] 0552z Strong	(2m14s)	PLdn, Hans	THU
5864kHz	2100z	03/11[815 1 11590 178 51 23266 ... 08982 000 000] 2107z Strong, QRM2	(6m50s)	PLdn, GD	WED
	2100z	10/11[815 000] Strong, BCQRM4		PLdn, GD	WED
	2100z	17/11[815 1 11590 178 51 23266 ... 08987 000 000] 2107z Strong, BCQRM3	(6m49s)	SL, HJH, GD	WED
	2100z	24/11[815 000] Strong		PLdn, SL	WED
6846kHz	0610z	04/11[188 1 11590 178 51 23266 ... 08982 000 000] 0617z Strong	(6m50s)	PLdn	THU
	0610z	18/11[188 1 11590 178 51 23266 ... 08982 000 000] 0617z Strong	(6m49s)	SL, PLdn	THU

December 2010

E07 [IB]

E07 with E06 voice:

4466kHz	1143z	31/12[i/p LGs 87478 76482 72363 at 1146z, a new message started: 293 2 1659 38 64852 72092 .... 71479 000 000] 1151z Weak and noisy		Hans	FRI
4483kHz	2150z	23/12[744-798/42=60021. 83029]Vy strong		Gert, PLdn	THU
4938kHz	1840z	26/12 Strong signal with strong noise,high pitched noise:ends with tx (see 6982k1800z26/12)		FR, PLdn	SUN
	1840z	29/12[989 1 675 43 06468 ... 32675 000 000] Fair	(6m55s)	PLdn	WED
5234kHz	0800z	02/12[278 000] Weak		PLdn	THU
	0800z	07/12[278 000] Very weak, QRM3		PLdn	TUE
	0800z	14/12[278 000] V.strong		Hans	TUE
	0800z	21/12[278 000] Strong		Hans, PLdn, gts	TUE
	0800z	28/12[278 000]Wk audio, Strong Carrier	(2m13s)	PLdn	TUE
	0800z	30/12[278 000] Weak audio	(2m13s)	PLdn	THU
5278kHz	2040z	01/12[472 1 1 895 47 08534 ... 63177 000 000] 2047z Fair, QRM2	(7m22s)	PLdn	WED
5449kHz	2130z	16/12[744 000] Fair, QRM2		PLdn	THU
	2130z	23/12[744-798/42=60021. 83029]		Gert, PLdn	THU
5734kHz	0820z	02/12[278 000] Weak		PLdn	THU
	0820z	07/12[278 000]Weak, QRM3		PLdn	TUE
	0820z	14/12[278 000]Weak audio, strong carrier which remained up for 5m33s		PLdn	TUE
	0820z	21/12[278 000] Weak audio, DATAQRN2		PLdn	TUE
	0820z	28/12[278 000]Fair audio, Strong Carrier	(2m13s)	PLdn	TUE
	0820z	30/12[278 000] Fair, TTYQRM2	(2m13s)	PLdn	THU
5836kHz	1820z	08/12[989 000] Strong, QRM2		PLdn	WED
	1820z	15/12[989 000] Fair, QRM2		PLdn	WED
	1820z	22/12[989 000] Weak Audio, strong carrier	(2m13s)	Gert, PLdn, JO	WED
	1820z	26/12Very strong noise, poss faint message (see 6982k1800z26/12)		FR, PLdn	SUN
	1820z	29/12[989 1 675 43 06468 ... 32675 000 000] Fair	(6m55s)	PLdn	WED
6777kHz	2110z	09/12[744 000] 2112z Fair, BCQRM3	(2m13s)	PLdn	THU
	2110z	16/12[744 000] Weak, readable		PLdn	THU
	2110z	23/12[744-798/42=60021. 83029]		Gert, PLdn	THU
6778kHz	2020z	01/12[472 1 1 895 47 08534 ... 63177 000 000] 2027z Strong	(7m22s)	PLdn	WED
	2020z	06/12[000] XJTQRM4		PLdn	MON
	2020z	08/12[472 000] 2022z Fair, QRM2	(2m13s)	PLdn	WED
	2020z	13/12[472 000] 2022z Weak, readable	(2m13s)	PLdn	MON
	2020z	20/12[472 000] 2022z Weak audio strong carrier	(2m13s)	PLdn	MON
	2020z	22/12[472 000] 2022z Fair	(2m13s)	PLdn	WED
	2020z	27/12[472 000] Weak audio, Strong carrier	(2m13s)	PLdn	MON
6982kHz	1800z	01/12[989 …] Heavy QRM, sigs lost. [Other scheduled freqs BCQRM5 otherQRM5]		PLdn	WED
	1800z	05/12[989 2 921 57 80947 …]		PLdn	SUN
	1800z	08/12[989 000] Strong *Amazing the QRM disappears with the message*		PLdn	WED

	1800z	15/12[989 000] Weak, QRM3		PLdn	WED
	1800z	22/12[989 000] Weak Audio, strong carrier	(2m13s)	Gert,PLdn	WED
	1800z	26/12Strong signal with some strong noise fading in and out from time to time]		FR, PLdn	SUN
		989 1 675 43 06468 56729 50686 08136 31899 (See also 4938, 5836kHz at 1840 and 1820 26/12 for further reports on this schedule) 35906 67029 46368 64452 62514 07759 41863 26228 07614 27496 45485 83544 54684 39165 76588 96689 57886 63218 07607 15890 63589 96356 24241 61002 98605 97824 81114 91557 83255 27759 54278 44462 62797 88756 51898 88785 70230 22675 000 000			
	1800z	29/12[989 1 675 43 06468 ... 32675 000 000] Fair	(6m55s)	PLdn	WED
7478kHz	2000z	01/12[472 000]BC QRM4/5 odd characters only	(7m22s)	PLdn	WED
	2000z	08/12[472 000] 2002z Very weak, BCQRM3	(2m13s)	PLdn	WED
	2000z	13/12[472 000] 2002z Weak, BCQRM3/4	(2m13s)	PLdn	MON
	2000z	20/12[472 000] 2002z Weak, BCQRM4 odd character only	(2m13s)	PLdn	MON

E07a

4564kHz	2140z	01/12[815 1 33330 195 69 04623 … 43209 000 000] 2148z Very strong, XJTQRM2	(8m14s)	PLdn, HJH, SL	WED
	2140z	08/12[8151 33330 195 69 04623 … 43209 000 000] 2148z Strong, XJTQRM3	(8m14s)	PLdn, HJH	WED
5146kHz	0530z	02/12[188 1 33330 195 69 04623 … 43209 000 000] 0538z Strong	(8m14s)	PLdn	THU
	0530z	09/12[188 1 33330 195 69 04623 63574 .... 43209 000 000] 0538z Strong		Hans, PLdn, SL	THU
	0530z	16/12[188 000] 0532z Fair	(2m14s)	SL,PLdn	THU
	0530z	23/12[188 000] 0532z Fair, Radar/QRM	(2m14s)	SL,PLdn	THU
	0530z	30/12[188 000]	(2m14s)	PLdn	THU
5164kHz	2120z	01/12[815 1 33330 195 69 04623 … 43209 000 000]2128z Very strong	(8m14s)	PLdn, HJH	WED
	2120z	08/12[815 1 33330 195 69 04623 … 43209 000 000]2128z Very strong	(8m14s)	PLdn, HJH, SL	WED
	2120z	15/12[815 000] Fair	(2m14s)	PLdn	WED
	2120z	23/12[815 000] Fair, localQRM3	(2m13s)	PLdn	WED
	2120z	15/12[815 000] Fair	(2m14s)	PLdn	WED
	2120z	29/12[815 000] Strong	(2m14s)	PLdn	WED
5846kHz	0550z	02/12[188 1 33330 195 69 04623 … 43209 000 000] 0558z Fair	(8m14s)	PLdn	THU
	0550z	09/12[188 1 33330 195 69 04623 63574 .... 43209 000 000] 0558z Strong		Hans, PLdn, SL	THU
	0550z	16/12[188 000] 0552z Strong, QRM2	(2m14s)	PLdn, SL	THU
	0550z	23/12[188 000] 0552z Strong, QRM2	(2m14s)	PLdn, SL	THU
	0550z	30/12[188 000]	(2m14s)	PLdn	THU
5864kHz	2100z	01/12[815 1 33330 195 69 04623 … 43209 000 000]2108z Very strong , BCQRM2	(8m14s)	PLdn, HJH	WED
	2100z	08/12[815 1 33330 195 69 04623 … 43209 000 000]2108z Strong, BCQRM2	(8m14s)	PLdn, HJH, SL	WED
	2100z	15/12[815 000] BCQRM4 odd character only		PLdn	WED
	2100z	22/12[815 000] Strong	(2m15s)	PLdn	WED
	2100z	29/12[815 000] Strong	(2m14s)	PLdn	WED
6846kHz	0610z	02/12[188 1 33330 195 69 04623 … 43209 000 000] 0618z Strong	(8m14s)	PLdn	THU
	0610z	09/12[188 1 33330 195 69 04623 … 43209 000 000] 0618z Strong	(8m14s)	PLdn, SL	THU

E10 Desk Report for November and December 2010

Frequencies (KHz) used by E10 Stations since 19th March 2010

Time	ART	EZI	PCD	ULX	YHF
00:00	No Reports	No Reports	No Reports	No Reports	2844/3840/4560
00:30	2456/3415/3840	No Reports	No Reports	No Reports	No Reports
01:00	No Reports	6840/7690	No Reports	No Reports	No Reports
01:30	No Reports	No Reports	No Reports	No Reports	2844/3840/4560
02:00	3415/5435	No Reports	No Reports	2743/4880	No Reports
02:30	No Reports	No Reports	No Reports	No Reports	2844/3150/3840/4560
03:00	No Reports	No Reports	2515/3130/3150/4270	No Reports	No Reports
03:30	No Reports	3150/6840/9130	No Reports	No Reports	No Reports
04:00	No Reports	No Reports	3150/4270	No Reports	No Reports
04:30	5435/6986	No Reports	No Reports	No Reports	5820/7918
05:00	No Reports	No Reports	No Reports	No Reports	7918

Time	ART	EZI	PCD	ULX	YHF
05:30	No Reports	No Reports	No Reports	No Reports	7918/9202
06:00	No Reports	6840/7690	No Reports	No Reports	No Reports
06:30	No Reports	6840/7690	No Reports	No Reports	No Reports
07:00	No Reports	No Reports	No Reports	No Reports	4560/5820/7690
07:30	No Reports	No Reports	6498	No Reports	No Reports
08:00	No Reports	No Reports	No Reports	No Reports	No Reports
08:30	No Reports	6840/7690	No Reports	No Reports	No Reports
09:00	No Reports	No Reports	No Reports	No Reports	No Reports
09:30	No Reports	No Reports	No Reports	6270	No Reports
10:00	No Reports	No Reports	No Reports	No Reports	No Reports
10:30	No Reports	No Reports	No Reports	6270/7760	No Reports
11:00	No Reports	No Reports	No Reports	No Reports	No Reports
11:30	No Reports	No Reports	No Reports	No Reports	No Reports
12:00	6986	No Reports	No Reports	No Reports	9202/10648
12:30	No Reports	9202/13533/15980	No Reports	No Reports	9202
13:00	No Reports	6840/7690/9202/10648	No Reports	No Reports	No Reports
13:30	No Reports	No Reports	No Reports	No Reports	9202/10648
14:00	No Reports	No Reports	No Reports	No Reports	5820/7918/9202/10648
14:30	No Reports	5820/6840/7690/9202/10648	No Reports	No Reports	No Reports
15:00	No Reports	No Reports	5170/6498	No Reports	No Reports
15:30	No Reports	No Reports	No Reports	5230/5270/6270/6720	No Reports
16:00	4165/5435	No Reports	No Reports	No Reports	No Reports
16:30	16305	No Reports	No Reports	No Reports	3840/4560
17:00	3415/5435	No Reports	No Reports	No Reports	No Reports
17:30	No Reports	No Reports	No Reports	3270/4880	No Reports
18:00	No Reports	6840/9130	No Reports	No Reports	No Reports
18:30	No Reports	6840/9130	3150/4270	No Reports	No Reports
19:00	3150/4270	No Reports	3150/4270	No Reports	No Reports
19:30	5435/6986	No Reports	3150/4270	5820/7918	5820/7918/10648
20:00	3415/5435	No Reports	3150/4270	2744/3270/4270/4880	No Reports
20:30	5435/6986	4270/6840/9130	6498	No Reports	No Reports
21:00	No Reports	6840	4270/6498/9130	No Reports	No Reports
21:30	3415	No Reports	4270	2743/3270/4270/4880	No Reports
22:00	3415/4270/4880/5435	No Reports	No Reports	4880	No Reports
22:30	No Reports	4270/6840/7690	No Reports	No Reports	No Reports
23:00	No Reports	No Reports	No Reports	2743/3270/4880/7690	No Reports
23:30	No Reports	No Reports	2515/3150/4270	No Reports	No Reports

Key

Slot logged within the last 2 months
Last log for this slot was received more than 2 months ago
No logs for this slot have been received

ABC

Date	Time	Callsign	Frequency(s)	Message	Credit
20/07/2010	22:45	ABC	5265	2	Hans S

HNC

Date	Time	Callsign	Frequency(s)	Message	Credit
19/05/2010	15:23	HNC	6575	Z	Hans S

TMS

Date	Time	Callsign	Frequency(s)	Message	Credit
03/03/2009	07:58	TMS	6428	None	Manolis

ART

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
16/03/2010	00:00	ART	18	IZJZG	3415	DanielE2Kde	04/02/2010
18/11/2010	00:30	ART	97	YGPDZ	3415	Hans S	18/11/2010
22/11/2010	00:30	ART	54	GLBSJ	3415	Hans S	22/11/2010
23/11/2010	00:30	ART	67	AFNIU	3415	Hans S	23/11/2010
30/11/2010	00:30	ART	16	BIVZJ	3415	Hans S	30/11/2010
08/12/2010	00:30	ART	16	BIUZJ	3415	Hans S	08/12/2010
10/03/2010	01:00	ART	22	NXSFH	3415	DanielE2Kde	10/03/2010
06/03/2010	01:30	ART	49	RHIAW	3415	DanielE2Kde	06/03/2010
09/11/2010	02:00	ART2			3415/5435	Ary	22/07/2010
13/11/2010	02:00	ART	46	KNRKU	3415/5435	Hans S	13/11/2010
15/11/2010	02:00	ART2			3415	Hans S	13/11/2010
	02:30						
06/03/2010	03:00	ART2			2456/3415	AlbinoDragon	
	03:30						
06/03/2010	04:00	ART	99	LEIFI	2456/3415	AlbinoDragon	06/03/2010
27/03/2010	04:30	ART	100	EQGZB	6986	Kroger	04/03/2010
04/03/2010	05:00	ART2			4165	Kroger	
04/03/2010	05:30	ART2			5435	Kroger	
13/02/2010	06:00	ART2			5435	E10 Desk	
01/03/2010	06:30	ART	17	WOZKJ	6986	FrankE2KDe	01/03/2010
07/11/2008	07:00	ART	100	DDOWB	5435	Manolis	07/11/2008
11/02/2010	07:30	ART	18	LQBZX	6986	Baris	11/02/2010
11/02/2010	08:00	ART	92	ANHRT	6986	Baris	11/02/2010
11/02/2010	08:30	ART	62	MJFJP	6986	Baris	11/02/2010
12/02/2010	09:00	ART	68	JBDXM	6986	Baris	12/02/2010
11/02/2010	09:30	ART	11	ZEDBM	6986	Baris	11/02/2010
11/02/2010	10:00	ART	100	JIXII	6986	Baris	11/02/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
18/03/2009	10:30	ART2			5435		
	11:00						
11/02/2010	11:30	ART	88	VURZL	6986	Baris	11/02/2010
25/11/2010	12:00	ART2			6986	Mike L	17/02/2010
11/02/2010	12:30	ART2			6986	Baris	
16/03/2010	13:00	ART	27	PXQMT	14000	Hans S	16/03/2010
11/02/2010	13:30	ART	16	HMWPU	6986	Baris	11/02/2010
11/02/2010	14:00	ART	13	IXRGC	6986	Baris	11/02/2010
09/03/2010	14:30	ART	7	LKMSH	6986	ElmarE2Kde	27/02/2010
	15:00						
06/11/2009	15:30	ART	11	WGEIU	3415/4165	Sam	06/11/2009
18/11/2010	16:00	ART	80	ZWVCC	5435	Mike L	18/11/2010
25/11/2010	16:00	ART	17	SPAXB	5435	Mike L	25/11/2010
30/11/2010	16:00	ART	6	YSFNV	5435	Mike L	30/11/2010
27/06/2010	16:30	ART	17	SGBFR	16305	E10 Agent	27/06/2010
11/11/2010	17:00	ART	51	YXXZB	5435	Mike L	11/11/2010
16/11/2010	17:00	ART	56	YGLJU	3415	Mike L	16/11/2010
18/11/2010	17:00	ART	51	YXCZB	3415	Mike L	18/11/2010
30/11/2010	17:00	ART	51	YXXZB	3415/5435	Mike L	11/11/2010
11/03/2010	17:30	ART	29	WMVSL	5435	E10 Desk	11/03/2010
02/03/2010	18:00	ART	49	JZBQA	5435	E10 Desk	02/03/2010
04/03/2010	18:30	ART	21	IIXUA	5435	E10 Desk	04/03/2010
24/11/2010	19:00	ART2			4270	Max S	27/02/2010
21/06/2010	19:30	ART	60	QUTRA	6986	DanielAR	21/06/2010
19/04/2010	20:00	ART	23	BOULM	3415/5435	Alan G	19/04/2010
31/03/2010	20:30	ART	54	BCTKD	5435/6986	Ary B	31/03/2010
31/01/2010	21:00	ART	16	EMJEX	3415	DanielE2Kde	31/01/2010
13/07/2010	21:30	ART2			3415	Max S	16/02/2010
06/11/2010	22:00	ART2			5435	Fox	29/07/2010
23/12/2010	22:00	ART	18	PXWGO	4270	Max S	23/12/2010
02/03/2010	22:30	ART	18	IZJZG	3415	E10 Desk	23/01/2008
16/02/2010	23:00	ART2			3415	Kroger	07/02/2010
14/03/2010	23:30	ART2			3415/5435	Manolis	15/01/2010

EZI

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
25/02/2010	00:00	EZI	17	WLTOY	9130	DanielAR	25/02/2010
01/09/2008	00:30	EZI2			6840/9130		
06/11/2010	01:00	EZI	35	SGWSA	7690	DanielAR	06/11/2010
08/12/2010	01:00	EZI	35	SGWSO	6840/7690	Hans S	08/12/2010
08/03/2010	01:30	EZI	74	AKBUI	7690	DanielAR	08/03/2010
15/03/2010	02:00	EZI2			6840	DanielAR	06/03/2010
13/03/2010	02:30	EZI	14	FTUPP	6840	W0ese	13/03/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
04/03/2010	03:00	EZI	15	AATZM	6840	Kroger	27/02/2010
09/11/2010	03:30	EZI2			6840	Ary	16/08/2010
12/03/2010	04:00	EZI2			6840	westt1us	04/02/2010
04/03/2010	04:30	EZI	10	YAUDG	6840	Kroger	04/03/2010
08/03/2010	05:00	EZI	67	YKLBJ	11565	AlbinoDragon	08/03/2010
04/03/2010	05:30	EZI	7	RWXOQ	6840	Kroger	04/03/2010
02/12/2010	06:00	EZI2			6840/7690	Alan G	04/03/2010
09/11/2010	06:30	EZI2			7690	Ary	
15/03/2010	07:00	EZI2			9130/11565	Alan G	03/03/2010
03/03/2010	07:30	EZI	88	RTSMT	6840/7690	AlbinoDragon	03/03/2010
	08:00						
31/03/2010	08:30	EZI	51	NWEED	6840/7690	Manolis	31/03/2010
15/02/2010	09:00	EZI	78	WQWBR	7690	Baris	15/02/2010
09/03/2010	09:30	EZI	77	QCUBI	6840	ElmarE2Kde	09/03/2010
15/02/2010	10:00	EZI	37	QCCHI	7690	Baris	15/02/2010
	10:30						
	11:00						
15/12/2009	11:30	EZI	45	MPMUO	6840	Baris	15/12/2009
01/01/2010	12:00	EZI2			6840/9130	E10 Desk	13/12/2009
06/11/2010	12:30	EZI2			9202	E10 Desk	
06/11/2010	13:00	EZI2			9202/10648	E10 Desk	
06/03/2010	13:30	EZI2			21245	Ary	
02/03/2010	14:00	EZI1			6840/7690	FrankE2KDe	17/02/2010
06/11/2010	14:30	EZI	93	DJVMR	9202/10648	Hans S	25/10/2010
25/11/2010	14:30	EZI	42	IZEJX	6840/7690	Mike L	25/11/2010
27/11/2010	14:30	EZI	42	IZEJO	5820	Hans S	27/11/2010
17/12/2010	14:30	EZI	56	EDCFO	6840/7690	Hans S	17/12/2010
21/12/2010	14:30	EZI2			7690	Hans S	17/12/2010
02/03/2010	15:00	EZI2			6840/7690	FrankE2KDe	
22/02/2010	15:30	EZI	56	MBQPI	19715	DanielAR	09/02/2010
17/03/2010	16:00	EZI2			6840/7690	E10 Desk	
16/02/2010	16:30	EZI	93	EZLSP	9130	Kroger	03/09/2009
12/03/2010	17:00	EZI2			9130	E10 Desk	13/10/2009
14/03/2010	17:30	EZI2			13533	DanielAR	16/10/2009
07/11/2010	18:00	EZI	18	CUOZB	6840	Fox	07/11/2010
14/11/2010	18:00	EZI	34	CFAVG	6840/9130	Fox	14/11/2010
21/11/2010	18:00	EZI	58	ZVLZU	9130	Fox	21/11/2010
29/11/2010	18:00	EZI	42	IZEJO	6840	Hans S	29/11/2010
30/11/2010	18:00	EZI	22	WLPRM	6840/9130	Mike L	30/11/2010
15/12/2010	18:00	EZI	56	EDCFO	6840	Mark SA	15/12/2010
21/05/2010	18:30	EZI2			6840/9130	Sam	09/03/2010
14/03/2010	19:00	EZI	68	EGCXV	9130	DanielAR	14/03/2010
12/02/2010	19:30	EZI	29	PIGKY	6840	ElmarE2Kde	12/02/2010
10/03/2010	20:00	EZI2			6840	E10 Desk	
06/11/2010	20:30	EZI	22	WLPRM	6840	Fox	06/11/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
20/05/2010	21:00	EZI	15	XLGBC	6840	Sam	20/05/2010
10/03/2010	21:30	EZI	21	VVVUD	7690	Manolis	07/12/2009
14/03/2010	22:00	EZI2			7690	DanielAR	03/03/2010
04/11/2010	22:30	EZI	19	HPAPF	6840	Fox	04/11/2010
17/11/2010	22:30	EZI	22	WLPRM	4270	E10 Desk	17/11/2010
20/11/2010	22:30	EZI	41	QGPFP	6840	Alessandro	20/11/2010
09/12/2010	22:30	EZI	84	CMLGZ	6840	E10 Desk	09/12/2010
29/12/2010	22:30	EZI	23	AENMR	6840	E10 Desk	29/12/2010
27/10/2009	23:00	EZI2			4270	ElmarE2Kde	
15/03/2010	23:30	EZI	11	VJZFN	9130	DanielAR	15/03/2010

PCD

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
15/03/2010	00:00	PCD	15	ATVCJ	2515/3150	Manolis	01/01/2010
15/03/2010	00:30	PCD	27	HTLCU	2844/3840	Manolis	15/03/2010
	01:00						
	01:30						
06/03/2010	02:00	PCD	65	TPQIT	4270	DanielE2Kde	06/03/2010
04/03/2010	02:30	PCD	65	TPQIT	3150	AlbinoDragon	17/02/2010
13/11/2010	03:00	PCD	7	CMYVO	3150/4270	Hans S	13/11/2010
22/11/2010	03:00	PCD	7	VQHHP	4270	Hans S	22/11/2010
08/12/2010	03:00	PCD	17	IWPVL	3150/4270	Hans S	08/12/2010
04/03/2010	03:30	PCD2			3150/4270	Kroger	
22/11/2010	04:00	PCD	35	TJHNC	3150/4270	Hans S	22/11/2010
27/11/2010	04:00	PCD	41	BLLTZ	3150/4270	Hans S	27/11/2010
04/03/2010	04:30	PCD	82	VMRKQ	4270/6498	Kroger	04/03/2010
04/03/2010	05:00	PCD	66	CLLVH	4270/6498	Kroger	04/03/2010
04/03/2010	05:30	PCD	17	ACZHF	6498	Kroger	04/03/2010
28/12/2009	06:00	PCD2			6498	AlbinoDragon	
	06:30						
	07:00						
04/07/2010	07:30	PCD1			6498	E10 Agent	19/01/2010
08/12/2009	08:00	PCD2			6498	AlanG	
	08:30						
	09:00						
23/02/2010	09:30	PCD	77	WLHOQ	6498	Baris	23/02/2010
23/02/2010	10:00	PCD2			6498	Baris	22/01/2008
23/02/2010	10:30	PCD	15	HYSRC	6498	Baris	23/02/2010
	11:00						
23/02/2010	11:30	PCD	21	DZSOY	6498	Baris	23/02/2010
23/02/2010	12:00	PCD2			6498	Baris	
23/02/2010	12:30	PCD	45	IQIOG	6498	Baris	23/02/2010
17/03/2010	13:00	PCD2			8805	ElmarE2Kde	

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
	13:30						
28/10/2009	14:00	PCD	44	CCSKP	4270	Manolis	28/10/2009
05/01/2010	14:30	PCD	14	WCICU	6498	E10 Desk	05/01/2010
06/11/2010	15:00	PCD	6	CDGBR	5170	Hans S	06/11/2010
23/02/2010	15:30	PCD	16	XXIYP	6498	Baris	23/02/2010
11/02/2010	16:00	PCD2			5820/6370	Alan G	16/04/2009
02/02/2010	16:30	PCD	49	VBEVQ	4270/6498	Kroger	02/02/2010
12/03/2010	17:00	PCD2			4270	E10 Desk	29/03/2008
10/03/2010	17:30	PCD2			4270	E10 Desk	
09/03/2010	18:00	PCD	51	NFBDB	4270/5170	Peter Poelstra	09/03/2010
01/11/2010	18:30	PCD2			4270	E10 Desk	13/09/2010
01/11/2010	19:00	PCD2			4270	E10 Desk	02/08/2010
14/11/2010	19:30	PCD	43	GFKPR	4270	Fox	14/11/2010
22/11/2010	19:30	PCD	49	DQBEG	3150	Hans S	22/11/2010
30/11/2010	19:30	PCD	60	HNNXW	4270	Max S	30/11/2010
27/12/2010	19:30	PCD	25	IESCL	4270	Max S	27/12/2010
31/03/2010	20:00	PCD2			3150/4270	Ary B	23/10/2009
11/09/2010	20:30	PCD	8	NPVBF	6498	Kroger	11/09/2010
08/11/2010	21:00	PCD	20	SKUML	4270	Ary	08/11/2010
13/11/2010	21:00	PCD	19	LALAI	6498	Fox	13/11/2010
20/11/2010	21:00	PCD	22	WTGIP	4270	Alessandro	20/11/2010
27/11/2010	21:00	PCD	10	ICUCE	4270	Alessandro	27/11/2010
30/11/2010	21:00	PCD2			4270	Max S	29/11/2010
01/12/2010	21:00	PCD	25	BIWWZ	4270	Max S	01/12/2010
15/12/2010	21:00	PCD	19	HVMEE	4270	Max S	15/12/2010
22/12/2010	21:00	PCD	29	DSUPA	4270	Max S	22/12/2010
04/10/2010	21:30	PCD	92	UHJZU	4270	Max S	04/10/2010
01/02/2010	22:00	PCD	21	CQBEN	7690	DanielAR	01/02/2010
05/03/2010	22:30	PCD2			4270	Max S	
14/03/2010	23:00	PCD	15	EPCCT	2515/3150	Manolis	14/03/2010
13/11/2010	23:30	PCD2			4270	E10 Desk	26/09/2010
29/11/2010	23:30	PCD	50	EGANI	3150	Hans S	29/11/2010
05/12/2010	23:30	PCD	50	KOBEV	4270	Max S	05/12/2010
20/12/2010	23:30	PCD	85	SHTGR	4270	Max S	20/12/2010

ULX

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
16/01/2010	00:00	ULX	40	SKNTN	3270	Kroger	16/01/2010
15/03/2010	00:30	ULX	87	NTXPA	4270	Manolis	15/03/2010
10/03/2010	01:00	ULX2			3270	DanielE2Kde	06/03/2010
	01:30						
10/04/2010	02:00	ULX	86	PPDEV	4880	Kroger	24/03/2010
04/03/2010	02:30	ULX	9	JQZYZ	2743/4880	Kroger	04/03/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
	03:00						
04/03/2010	03:30	ULX2			3270/4880	Kroger	14/11/2008
05/03/2010	04:00	ULX	87	QBICG	2743/3270	AlbinoDragon	05/03/2010
05/03/2010	04:30	ULX2			2743/3270	AlbinoDragon	
03/03/2010	05:00	ULX2			4880	AlbinoDragon	
03/03/2010	05:30	ULX	56	WCYSX	4880	AlbinoDragon	03/03/2010
16/03/2009	06:00	ULX	29	QALLA	4880	scamozzi2000	16/03/2009
14/11/2009	06:30	ULX	8	GFFAY	5230	E10 Agent	14/11/2009
30/12/2008	07:00	ULX	6	EVJBU	4880/5230	E10 Agent	30/12/2008
03/03/2010	07:30	ULX2			6270	AlbinoDragon	
16/12/2009	08:00	ULX2			6270	FN	04/02/2008
14/12/2009	08:30	ULX2			6270	FN	
	09:00						
12/09/2010	09:30	ULX	99	XARES	6270	Manolis	12/09/2010
09/03/2010	10:00	ULX	21	BXAAN	7760	ElmarE2Kde	09/03/2010
23/07/2010	10:30	ULX	38	DQXHV	6270/7760	Manolis	23/07/2010
19/03/2009	11:00	ULX	81	GNJFZ	6498	scamozzi2000	19/03/2009
	11:30						
14/03/2009	12:00	ULX	31	LQGJR	5230	scamozzi2000	14/03/2009
	12:30						
09/03/2010	13:00	ULX	46	PCTSG	6270/7760	ElmarE2Kde	09/03/2010
16/02/2010	13:30	ULX	27	WUWIV	7760	ElmarE2Kde	16/02/2010
09/03/2010	14:00	ULX	46	PCTSG	6270/7760	ElmarE2Kde	09/03/2010
01/01/2010	14:30	ULX	16	MTYLM	4880	DanielE2Kde	01/01/2010
11/02/2010	15:00	ULX	22	KOBTV	7760	Alan G	11/02/2010
01/11/2010	15:30	ULX1			6270	Hans S	25/10/2010
02/11/2010	15:30	ULX	74	VZARJ	6270	Hans S	02/11/2010
16/11/2010	15:30	ULX2			5230/6270	Mike L	02/11/2010
16/02/2010	16:00	ULX2			6270	Hans S	05/12/2007
02/03/2010	16:30	ULX2			4880	Max S	06/02/2008
07/03/2010	17:00	ULX2			3270	DanielE2Kde	13/10/2009
02/11/2010	17:30	ULX	25	HIRPH	4880	Hans S	13/09/2010
09/11/2010	17:30	ULX	41	MWUVH	3270	Ary	09/11/2010
20/11/2010	17:30	ULX	100	CCTFQ	3270	Hans S	20/11/2010
02/03/2010	18:00	ULX2			4880	E10 Desk	
16/03/2010	18:30	ULX	12	KNAWZ	4880	DanielE2Kde	16/03/2010
23/01/2010	19:00	ULX2			3270	DanielE2Kde	16/04/2009
12/07/2010	19:30	ULX	8	MESLU	5820/7918	Hans S	12/07/2010
08/11/2010	20:00	ULX	12	PFSZN	4880	Ary	08/11/2010
16/02/2010	20:30	ULX2			2743/3270	Kroger	
26/02/2010	21:00	ULX	50	AZEAT	2743/3270	Alan G	26/02/2010
08/11/2010	21:30	ULX	64	OUVCG	3270/4880	Hans S	08/11/2010
11/11/2010	21:30	ULX	42	KSRFS	4880	Mike L	11/11/2010
17/11/2010	21:30	ULX	12	PFSZN	4270	Mike L	17/11/2010
30/11/2010	21:30	ULX	37	QPCIM	3270/4880	Mike L	30/11/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
23/12/2010	21:30	ULX	92	VADKC	4880	Max S	23/12/2010
15/07/2010	22:00	ULX	8	MESLU	4880	Kroger	15/07/2010
07/03/2010	22:30	ULX	94	JSZBM	4880	DanielE2Kde	16/02/2010
09/11/2010	23:00	ULX2			3270/4880	Mike L	19/09/2010
14/11/2010	23:00	ULX	9	XRULS	3270	Hans S	14/11/2010
16/11/2010	23:00	ULX2			4880	E10 Desk	14/11/2010
20/11/2010	23:00	ULX	9	BDGJL	4880	Alessandro	20/11/2010
22/11/2010	23:00	ULX2			3270/4880	Hans S	20/11/2010
29/11/2010	23:00	ULX	60	CCTFQ	3270	Hans S	29/11/2010
01/12/2010	23:00	ULX2			4880	E10 Desk	29/11/2010
08/08/2008	23:30	ULX	33	ARIID	3270	E10 Desk	08/08/2008

YHF

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
12/11/2010	00:00	YHF	56	QZSEV	3840/4560	Mike L	12/11/2010
14/11/2010	00:00	YHF	41	IIWPX	4560	E10 Desk	14/11/2010
15/11/2010	00:00	YHF2			3840	Hans S	14/11/2010
21/11/2010	00:00	YHF	53	GPJUV	4560	E10 Desk	21/11/2010
28/11/2010	00:00	YHF	93	VVUXA	3840	E10 Desk	28/11/2010
30/11/2010	00:00	YHF	9	KDGPB	3840	Hans S	30/11/2010
09/12/2010	00:00	YHF	16	YTEHH	3840	E10 Desk	09/12/2010
27/12/2010	00:00	YHF	41	UVJIH	4560	E10 Desk	27/12/2010
10/08/2009	00:30	YHF	78	RLQMA	3840	E10 Desk	10/08/2009
	01:00						
02/11/2010	01:30	YHF	35	ETIOZ	4560	E10 Desk	02/11/2010
06/11/2010	01:30	YHF	56	QZSEV	4560	E10 Desk	06/11/2010
15/11/2010	01:30	YHF	7	MDSYO	3840	Hans S	15/11/2010
27/11/2010	01:30	YHF	12	XJYDY	3840	E10 Desk	27/11/2010
06/12/2010	01:30	YHF	7	ILUPP	3840	Hans S	06/12/2010
06/03/2010	02:00	YHF2			5820	DanielE2Kde	09/09/2009
02/11/2010	02:30	YHF	58	TVIND	4560	E10 Desk	28/10/2010
09/11/2010	02:30	YHF	8	TXAXN	4560	Ary	09/11/2010
13/11/2010	02:30	YHF	7	MDSYO	4560	E10 Desk	13/11/2010
14/11/2010	02:30	YHF	8	TWAXN	4560	E10 Desk	14/11/2010
15/11/2010	02:30	YHF	7	MDSYO	3840/4560	Hans S	13/11/2010
21/11/2010	02:30	YHF	10	ZZQVD	4560	E10 Desk	21/11/2010
27/11/2010	02:30	YHF	25	XFIXH	3840	E10 Desk	27/11/2010
30/11/2010	02:30	YHF	9	KDGPB	3840	Hans S	30/11/2010
25/12/2010	02:30	YHF	16	YTEHH	4560	E10 Desk	25/12/2010
31/12/2010	02:30	YHF	23	RPLRN	4560	E10 Desk	31/12/2010
	03:00						
04/03/2010	03:30	YHF	37	CKSIJ	3840	Kroger	04/03/2010
12/03/2010	04:00	YHF	60	CCTCS	3840/5820	westt1us	12/03/2010

Date	Time	Callsign	Group Count(s)	First Group(s)	Frequency(s)	Credit	First Logged/Last Message
13/11/2010	04:30	YHF2			5820	Hans S	23/02/2010
23/03/2010	05:00	YHF	16	VOVID	7918	Sealord	23/03/2010
19/11/2010	05:30	YHF2			9202	Fox	10/10/2010
02/03/2010	06:00	YHF	28	AYQCT	4560/5820	AlbinoDragon	04/02/2010
15/03/2010	06:30	YHF	31	DENLK	7918	Alan G	15/03/2010
14/10/2010	07:00	YHF2			4560/5820	Manolis	
02/03/2010	07:30	YHF	93	DBCRO	7918	AlbinoDragon	02/03/2010
	08:00						
02/03/2010	08:30	YHF2			7918	AlbinoDragon	
02/03/2010	09:00	YHF	17	PRUBM	7918	AlbinoDragon	17/02/2010
02/03/2010	09:30	YHF2			6370	AlbinoDragon	
17/02/2010	10:00	YHF2			5820	Baris	
19/02/2010	10:30	YHF	37	CZJIZ	5820	Baris	19/02/2010
19/02/2010	11:00	YHF	47	DUKBY	5820	Baris	19/02/2010
17/02/2010	11:30	YHF2			7918	ElmarE2Kde	
14/11/2010	12:00	YHF2			9202/10648	Hans S	09/10/2010
14/11/2010	12:30	YHF2			9202	Fox	17/03/2010
09/03/2010	13:00	YHF	44	BAQEO	7918	ElmarE2Kde	04/03/2010
01/11/2010	13:30	YHF2			9202	Hans S	31/01/2010
07/11/2010	14:00	YHF2			7918	Fox	
17/01/2010	14:30	YHF	28	BCSNX	6370	DanielE2Kde	17/01/2010
17/01/2010	15:00	YHF	85	CSPYL	5820	DanielE2Kde	17/01/2010
15/01/2010	15:30	YHF	94	MWWZE	5820	Kroger	27/12/2009
16/02/2010	16:00	YHF2			6270	Hans S	
18/11/2010	16:30	YHF	93	VVQEA	3840/4560	Mike L	18/11/2010
21/12/2010	16:30	YHF	16	JOYSS	3840/4560	Hans S	21/12/2010
12/03/2010	17:00	YHF2			3840/4560	E10 Desk	
11/03/2010	17:30	YHF	10	MVAIO	5820	ElmarE2Kde	11/03/2010
16/02/2010	18:00	YHF	37	OGKKJ	3840/4560	Kroger	16/02/2010
11/03/2010	18:30	YHF	26	PQALX	10648	DanielAR	11/03/2010
16/02/2010	19:00	YHF2			3840	Kroger	07/02/2010
18/11/2010	19:30	YHF	64	YOAIJ	5820/7918	Mike L	18/11/2010
25/11/2010	19:30	YHF2			5820/7918	Mike L	18/11/2010
10/03/2010	20:00	YHF2			9202	E10 Desk	06/02/2008
16/02/2010	20:30	YHF	65	BPRNH	3840/4560	Kroger	16/02/2010
26/02/2010	21:00	YHF	14	LTUMD	4560/5820	Alan G	16/02/2010
01/03/2010	21:30	YHF	26	GULER	4560/5820	E10 Agent	01/03/2010
04/03/2010	22:00	YHF	33	OSHYM	3840	ElmarE2Kde	04/03/2010
05/03/2010	22:30	YHF2			7918	DanielAR	02/01/2009
14/03/2010	23:00	YHF2			2844/3840	Manolis	07/11/2009
	23:30						

Noteworthy Events

The irregular E10 frequency of 14000 KHz was spotted in use on November 4th at 17:10 by Mike L. He was just able to hear a weak E10 message under a weak XM transmission and some very strong amateur CW. He wasn't able to id which E10 station this was unfortunetly.

Can I ask all E10 listeners to check 14000 KHz from time to time and report if you hear E10.

MOSSAD got a new head at the end of November when Prime Minister Netanyahu appointed veteran spy and twice deputy director Tamir Pardo to lead the organisation. Pardo's MOSSAD activities are a close secret but he did take part in the 1976 Israeli commando raid on Entebbe in Uganda and a close friend of Yonatan Netanyahu the leader of the raid and also the Prime Ministers brother.

November also another mysterious assasination of an alleged Iranian nuclear scientist with another seriously wounded. Dr Majid Shahriari was killed by motorcyclists who attached bombs to his car as he drove to work. The same was done to Dr Fereydoon Abbasi's car but he was seriously wounded. Dr Shahriari was a member of the nuclear engineering department of Shahid Beheshti University in Tehran and a specialist in quantum mechanics while Dr Abbasi was said to be an expert in separating isotopes. Iran's interior minister blamed western and Zionist forces for the attack.

On 28th December the official Iranian new agency announced that Ali Akbar Siadat an Iranian had been hanged for espionage. The agency alleged that he had received £60000 from MOSSAD for providing information on Irans military capability although they didn't say how he obtained this information or if he worked for the Iranian government. Many thanks to Philip for spotting that item of news.

Regular E10 monitor Daniel in Argentina sent the group an interesting new item from AFP. They reported that Tareq Abdel Razzak, the 37-year-old Egyptian owner of an import export company had been arrested back in May on charges of spying for Israel. The charges claim that Razzak used his import export business as a cover allowing him to travel to Syria and Lebanon to gather information. He also set up a web based recruitment business for telecoms specialists in the Arab world and is alleged to have passed on job seekers details to Israel.

E11 [III]

November log:

4441kHz	1050z	28/11 [127/00] Fair		Hans	SUN
4638kHz	0500z	02/11 [576/00] Strong		RNGB	TUE
5082kHz	0605z	02/11 [517/00] Good		RNGB	TUE
	0605z	04/11 [517/00]		RNGB	THU
5358kHz	0755z	01/11 [438/00] Strong		Hans, PLondon	MON
	0755z	04/11 [438/00]	(3m20s)	RNGB, PLondon	THU
7377kHz	0730z	01/11 [649/00] Strong		Hans, HFD	MON
	0730z	04/11 [649/00]		RNGB, PLondon	THU
7840kHz	0645z	30/11 [517/00] Fair		RNGB	TUE

E11a

November log:

4441kHz	1445z	27/11 [285/38 87063 69841 49298 08884 49108…..04576] Fair, Out 1455z		Hans, RNGB	SAT
4505kHz	0610z	01/11 [261/32 A 78479 21411 09809 .... 12970] 0619z Fair		Hans	MON
5082kHz	0450z	22/11 [411/36 A 48010 83351 .... 88316] Out 0500z Strong/V.strong		Hans	MON
7840kHz	0653z	09/11 - Fair, in progress with repeat. Ending: ...99129 83626 OUT. QRT 0655z, start 0645z		Hans	TUE
9079kHz	0930z	24/11 [271/33 86841 13835 21532 27123 16590…..98453] Fair, Out 0940z		Hans, RNGB	WED

E17z
November 2010:

11170kHz	0800z	04/11[674 280 280 5 5 51493 06422 36231 45344 42144] S9 Sig		GD	THU
	0800z	11/11[674 280 5] Repeat of last week		GD	THU
	0800z	18/11[674 219 219 5 5 35878 5?545 52053 25599 55156]		GD, FN	THU

December 2010:

11160kHz	0800z	16/12[674 981 5 31818 23179 48488 22463 91561]		GD	THU
11170kHz	0800z	23/12 [674 981 5 31818 ... 00000]0805z Weak		SL	THU

E23 [XI] Frequencies and Times. All SSB [From AnonUK]

Since December 2004 skeds have become erratic, and may not stick to correct weeks. Some voice transmissions have been heard in week 2
Week 1 Usually starts on the first Monday of the Month, but there have been variations to this.
Times are not rigid, has been known to start as early as Hour + 52 [Tnx AnonUK]. Week 2 was M04 Not heard since September 2000

	Week 1		Week2		Week 3		Week 4	
	Time	Freq	Time	Freq	Time	Freq	Time	Freq
Monday	0957	6507			0757	4832	0757	5340
	1157	8188			0957	6200	0957	8188
	1257	5340			1157	8188	1157	7250
					1257	6507		
Wednesday	0957	6507			0757	4832	0757	5340
	1157	8188			0957	6200	0957	8188
	1257	5340			1157	8188	1157	7250

E25 [O]

November 2010:

9450kHz

1201z 02/11:
1201z: 275(repeated)
1203z: Message: 1051 280(repeat x19)
1205z: Rebeat....
1207z: EOM EOT.
Fair signal but with BC-QRM3. | Hans | TUE

1200z 03/11 Call 275 , then 1051 followed by 280 (19 times !), EOM EOT | RNGB | WED

1157z 10/11 continuing a music/praying transmission from 6140 kHz. I think it is a new one, since the song/praying has echo. | MG | WED

1348z 24/11
1348 carrier up, into Mx
222(R) Msg text in part:
33-- , 8090 1597 7556 ....

Rest unknown; weak signal with QRM | PLdn | WED

December 2010:

9450kHz

1230z 12/12

[555 with 12 group message with multiple interruptions]

Message details:

12.30z start music, Arouh li meen
12.33z 555 555 555 (over and over for 1 minute)
12.34z message (x3) 2512 3021 7620 7142 1799 4462 58
Pause for 50 sec
Music Arouh li meen for 2 seconds
Pause for 15 seconds
12.35z 830 6449 4797 7620
Repeat (3x)
2512 3021 7620 7
Pause for 1 minute
7142 1799 4462 5882 0738 9830 6449 4797 7620
End of message
Repeat (x3)
2512 3021 7620 7142 1799 4462 5882 0738 9830 6449 4797 7620
End of message, end of transmission. | Gert | SUN

1137z 13/12 Carrier up, blank, no message 1142z
1226z carrier up, blank [5 mins]
1231z Mx, Arouh li mihn, [4 mins]
1235z 557 3 557 3 557 3 557 3 557 3 (R) [2 mins]
1237z carrier drops
1314z carrier up with tones [2 mins]
1316z 785 8 785 8 785 8 785 8 785 8 (R)
'End of transmission' 1317z
Carrier remained blank and open until 1324z
Transmissions were weak, QRM3 | PLdn, Hans | MON

1215z/1223z 28/12 good signal 8 [no detail] | Cobra | TUE

E25a

9450kHz 1115z 25/11 [317 3] | MG | THU

Note that while E25 transmits within 1200z-1400z during winter time, Agent 317 gets a message outside of this time frame. Odd...

G06[1A]

November 2010

3514kHz	1700z	01/11[892 892 892 0 0 0 0 0]	JanO	MON
	1700z	08/11[892 0 0 0 0 0] 1704z Fair (3m51s)	PLdn	MON
		At +6m50s QRL IMI CQ CQ CQ de SE6Y SE6Y K At 7m27s G06 voice: 1 2 3 4 5 6 7 8 9 repeating.		
4026kHz	1300z	03/11[892 00000] Weak	Hans	WED

4519kHz 1830z	25/11[271 738 15 (27189) ... 16639 00000] Unsure first grp. 271 738 15 *27189* 27471 03724 89024 03551 23784 56719 03562 45619 38204 47193 09345 44785 89073 16639 00000		FR	THU
4792kHz 1930z	12/11[436 023 15 84720]		FN	FRI
1930z	26/11[436 023 023 15 15]		GD	FRI
4836kHz 1930z	18/11[123456789] R 1940z S9		Mndbs	THU
5463kHz 0800z	15/11[215 00000] zero sounds like 2		FN	MON
0759z	22/11[215 00000] Fair/Strong QSB3		Hans	MON
5824kHz 2030z	20/11[364 00000]strong sig S9+20dB		Gert	SAT

December 2010

3514kHz 1700z	13/12[892 00000] end uk, Very weak, QRM3		PLdn	MON
4519kHz 1830z	09/12[271 908 15 46578 ... 45362 908 15 00000] 1836z Fair	(6m11s)	PLdn, Mndbs	THU
1830z	23/12[271-908/15=46578... .45362]		Gert, PLdn	THU
4792kHz 1930z	10/12[436 876 15 64729 ... 90867 876 15 00000] 1936z Strong	(6m07s)	PLdn	FRI
1930z	24/12[436-876/15-64729 ... 90867 0 0 0 0 0]		Gert, PLdn	FRI
4854kHz 2030z	04/12[364 00000]		HJH	SAT
5463kHz 0759z	06/12 [215 346 46 29483 88734 .... 58088 346 46 0 0 0 0 0] 0816z Fair QSB2 QRN3 Slow reading. E06 voice was heard on this frequency before message (counting 12346589 several times from 0726z).		Hans	MON
0802z	13/12 [215 346 46 29483 88734 .... 58088 346 46 0 0 0 0 0] 0820z Fair QSB3 *Rpts msg 06/12*		Hans	MON

PoSW's logs:

First + Second Mondays in the Month 1700 + 1800 UTC Schedule:-
1-Nov-10:- 1700 UTC, 3,514 kHz, found two minutes into the transmission, “892 892 892 00000”. Over riding amateur CW inside the 80 metre band.
1800 UTC, 4,458 kHz, second sending, S9 signal. 4,458 was used in February this year.
Has stayed on UTC with the changing of the clocks for the end of summertime so now appears at 5 and 6 pm UK time.

8-Nov-10:- 1700 UTC, 3,514 kHz, “892 892 892 00000”.

6-Dec-10:- 1700 UTC, 3,514 kHz, was in progress when tuned in approx. 30 seconds before the hour. “892 892 892 00000”. Interference from fast amateur CW. Ended early, stopped
1603 and 30 seconds followed by an extra “Acht neun”.
1800 UTC, 4,458 kHz, second sending, also started well before the hour.

13-Dec-10:- 1800 UTC, 4,458 kHz, very weak signal, appeared to be plain carrier only until well after 1802z, “892 892 892 00000”.

First + Third (?) Saturdays in the Month 2030 or 2035 UTC Schedule:-
6-Nov-10:- 2035 UTC, 4,853 kHz, “364 364 364 00000”, thought this one had gone because unable to find on the first Saturday in October. Strength S5 to S6 at best.

4-Dec-10:- 2035 UTC, 4,853 kHz, “364 364 364 00000”, still around in December. Peaking S9 with deep QSB. Carrier with tone up on 4,853 when checked 2020z, single “364” in German shortly afterwards.

18-Dec-10:- third Saturday in December, no sign of this G06 at 2035z on 4,853, no pre-transmission warm-up carriers or tones. Also made a search at 2030z but again, nothing heard.

Thursday 1830 UTC Schedule:-
28-Oct-10:- 5,936 kHz, inside 49 metre BC band and not found until after 1831z. Severe
interference from broadcaster on 5,940. Call “579”, DK/GC “364 364 15 15”, difficult copy.
Was on 5,930 kHz when last heard on 14-Oct

11-Nov-10:- 4,519 kHz, seasonal change of frequency, calling “271”, DK/GC “738 738 15 15”. No BC QRM here, just a carrier being swept at approx. one-second rate.
“62789 26471 03724 89024 03551 23784 56719 03562 45619 38204 47193 09345 44785 89273 16639.”

9-Dec-10:- 4,519 kHz, call “271”, DK/GC “908 908 15 15”, peaking S9, the swept carrier interference still running. “46578 24351 65748 09867 35462 54619 01648 28946 30164 73654 24176 10998 11232 34534 45362”.

Friday 1930 UTC Schedule:-
29-Oct-10:- 5,442 kHz, call “947”, DK/GC “214 214 15 15”, same as when last heard on 15th October.

12-Nov-10:- 4,792 kHz, moving lower in frequency as we march towards winter, missed the start, tuned in approx. 1935z, surprisingly weak signal for a G06 this evening, difficult copy, ended just before 1938z with, “223 223 15 15 0 0 0 0 0”.

10-Dec-10:- 4,792 kHz, call-up had already started when tuned in 30 seconds before the half-hour. Call “436”, DK/GC “876 876 15 15”, stronger signal than when last heard.
“64729 13243 12546 76575 47638 98706 45309 14309 34276 10987 12987 34528 35489 18750 90867”.

24-Dec-10:- 4,792 kHz, weak signal at first, appeared to go into DK/GC just after 1930z, then heard calling “436” around 1931z. Slightly stronger by 1933z, DK/GC “876 876 15 15”, same 5Fs as on the 10th.
And RNGB’s log:

November 2010

Mon 1st	08.00	5463	215 00000
Mon 1st	17.00	3514	892 00000
Mon 1st	18.00	4458	892 00000
Sat 6th	20.35	4853	364 00000
Mon 8th	18.00	4458	892 00000
Thurs 11th	18.30	4519	271 738 15 62789 26471 03724 89024 23551…..16639
Mon 22nd	07.59	5463	215 00000
Fri 26th	19.30	4792	436 023 15 84720 45618 02417 40916 44402 57881 90248 64673 13409 46782 76290
Mon 29th	08.00	5463	215 000000

December 2010

Sat 4th	20.35	4853	364 00000
Mon 6th	08.00	5463	215 346 46 29483 88734 88329 46239.....58088
Mon 6th	17.00	3514	892 00000
Mon 6th	18.00	4458	892 00000
Weds 8th	13.01	4026	892 00000
Fri 10th	19.30	4792	436 876 15 64729 13243 12546 76575 47638 98706 45309 14309 34276 10987 12987
Mon 13th	08.00	5463	215 346 46 29483 88734 88329 46239.....58088
Mon 13th	18.02	4458	892 000000
Thurs 23rd	18.30	4519	271 908 15 46578 24351 65748 09867 35462 54619 21648 28946 30164 73654 24176
Fri 24th	19.30	4792	436 876 15 64729 13243 12546 76575 47638 98706 45309 14309 34276 10987 12987
Mon 27th	08.02	9463	215 346 46 29483 88734 88329 46239.....58088

G11 [III]

November 2010

6397kHz	0935z	01/11 [278/35 38412 71400 47448 37175 03552…..02060] Good		RNGB	MON
	0935z	04/11 [278/35 38412 71400 etc] Strong	(9m57s)	RNGB, PLondon	THU

S06 [1A]

We open with PoSW's logs this issue: With the ending of summertime on the last weekend in October the S06 OM has stayed on UTC and so appears one hour earlier clock time - with the exception of the second + fourth Mondays in the month schedule which, as in previous years, has shifted by an hour UTC so still shows up in the UK at 9.15 pm and 10.15 pm.

Saturday 1930 or 1935 UTC Schedule:-
6-Nov-10:- 1930 UTC, 3,192 kHz, "405 405 405 00000". Strength S7 with QSB, weak "XJT" on a close frequency. Seasonal change of frequency from 5,428 kHz at 1930z or 4,512 kHz at 1935z. 3,192 was used in January and February of this year, alternatively 3,733 kHz at 1935z.

20-Nov-10:- 1935 UTC, 3,733 kHz - the expected alternative time and frequency - "405 405 405 00000". Very weak signal.

27-Nov-10:- 1935 UTC, 3,733 kHz, "405 405 405 00000", very weak signal, only just detectable.

4-Dec-10:- 1935 UTC, 3,733 kHz, "405 405 405 00000", very weak, way down in the noise.

18-Dec-10:- 1930 UTC, 3,192 kHz, "405 405 405 00000", weak but clear when copied in USB mode, weak "XJT" on close frequency.

25-Dec-10:- 1935 UTC, 3,733 kHz, "405 405 405 00000", weak signal but slightly stronger than last time.

Saturday 1600 or 1605 UTC Schedule:-
13-Nov-10:- 1600 UTC, 6,807 kHz, "864 864 864 00000", this frequency used in Jan and Feb of this year, or 1605z 5,782 kHz.

27-Nov-10:- 1605 UTC, 5,787 kHz, alternative time and frequency, "864 864 864 00000".
Signal peaking over S9 at the LF end of the 49 metre BC band, strong enough to be copied using the model "DM-906" radio sold by the local "Superdrug" store for just over £3 a couple of years ago!

11-Dec-10:- 1600 UTC, 6,807 kHz, "864 864 864 00000" signal strength S7.

Monday + Thursday 1900 or 1905 UTC Schedule:-
4-Nov-10, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", strength S6 to S7.

8-Nov-10, Monday:- 1905 UTC, 3,838 kHz, "349 349 349 00000".

11-Nov-10, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000".

18-Nov-10, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", weak signal.

22-Nov-10, Monday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", weak signal but clear when copied in USB mode.

25-Nov-10, Thursday:- 1900 UTC, 3,192 kHz, first time heard "on the hour" this month, "349 349 349 00000", weak signal.

2-Dec-10, Thursday:- 1905 UTC, 3838 kHz, "349 349 349 00000".

6-Dec-10, Monday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", weak signal but clear copy with receiver in USB mode.

9-Dec-10, Thursday:- 1905 UTC, 3,838 kHz, "349 349 349 00000", very weak signal, only just detectable.

27-Dec-10, Monday:- 1905 UTC, 3,838 kHz, "349 349 349 00000".

Second + Fourth Mondays in the Month Schedule:-
8-Nov-10:- 2115 UTC, 7,750 kHz, “218 218 218 00000”, S5 to S7 signal.
2215 UTC, 5,410 kHz, second sending, peaking S8 with deep QSB. These frequencies used in November last year and in 2008. Shifted by an hour so still appears at 9.15 and 10.15 pm.

22-Nov-10:- 2115 UTC, 7,750 kHz, “218 218 218 00000”, very weak signal, only readable with the receiver in USB.
2215 UTC, 5,410 kHz, second sending, slightly stronger signal.

13-Dec-10:- 2115 UTC, 6,835 kHz, “632 632 632 00000”. Same frequency as in December last year and in 2008. Surprised there was no sign of a pre-transmission carrier as is usual but it turned out there was a very good reason for this because this four-minute “no message” sending was transmitted in suppressed carrier upper side-band mode, the receiver needed to be in USB to render the speech intelligible The usual mode is upper side-band with carrier which can be copied with the receiver set to A.M.
2215 UTC, 5,185 kHz, second sending; also on the expected frequency but this was transmitted in the usual “with carrier” mode, carrier was on frequency when tuned in five minutes before the start.

Wednesday 1800 or 1805 UTC Schedule:-
Now that winter is upon us this schedule runs at at 6 pm UK time and I am seldom home by that time on a Wednesday! However, a couple of exceptions allowed me to log the following:-
10-Nov-10:- 1800 UTC, 3,540 kHz, “471 471 471 00000”, peaking S9 inside the 80 metre amateur band.

1-Dec-10:- 1800 UTC, 3,540 kHz, “471 471 471 00000”, S7, fast amateur CW on a close frequency.

S06 (slow,YL) from RNGB
November log:

Monday

9th	1600/1610	7436/6668	‘176’ 849 5 52401 63919 92699 13600 74248
23rd			‘176’ 209 5 groups (Tks GD)

Tuesday

17th	0700/0715	……/6320	‘374’ 802 5 68510 54324 41322 55587 70775 (Tks Jon-Fl)
3rd	0800/0810	5810/7440	‘418’ 906 5 45593 53685 23464 50127 99499
24th			‘418’ 932 5 67549 etc (Tks Fritz)
3rd	0800/0810	10265/9135	‘352’ 801 6 59857 59329 53676 55556 15322 62195
24th			‘352’ 904 6 56432 etc (Tks Fritz)
10th	1230/1240	5810/6770	‘278’ 914 5 13640 75834 55614 85442 59415
10th	1500/1510	5070/6337	‘537’ [not monitored]
17th			‘537’ 208 5 11100 12354 81784 85918 93787 (Tks MikeT)

Wednesday

4th	0530/0540	9435/11075	‘153’ [not monitored]
11th	0820/0830	6880/7840	‘471’ 238 5 94289 15244 21541 56567 48880
18th			‘471’ 205 6 61899 etc (Tks Fritz)
11th	0830/0840	7335/11830	‘745’ 280 6 07306 84564 46223 16156 37528 34595
18th			‘745’ 201 6 82205 etc (Tks Fritz)
11th	0840/0850	9260/11415	‘328’ 469 5 52401 63919 92699 14600 74248
18th			‘328’ 409 5 41255 etc (Tks Fritz)
11th	1000/1010	12365/14280	‘729’ 801 5 65906 66610 20336 17301 88554
18th			‘729’ 410 5 96275 etc (Tks Fritz)
11th	1200/1210	7030/6305	‘481’ 530 6 52401 63919 92699 14600 74248 48754
4th	1230/1240	4580/6420	‘967’ [too weak to copy]
11th	1900/1910	8530/7520	‘371’ 469 5 52317 27998 56049 63173 21962

Thursday

5th E17z	0800/0810	11170/9820	‘674’ 519 8 71785 54284 16694 23727 54435 67427 15769 64534
26th			‘674’ 801 5 31725 etc (Tks Fritz)
5th	0920/0940	12340/13565	‘167’ 00000
12th	0900	16173	‘167’ 00000
12th	0900/0910	10360/11050	‘167’ 00000
12th	0920/0940	14647/13432	‘167’ 00000
26th	0950	14012	‘167’ 00000
5th	1000/1010	8535/10480	‘895’ 410 6 67543 89764 32164 67439 08964 21219
26th			‘895’ 210 6 59135 etc (Tks Fritz)
5th	1200/1210	10580/9950	‘425’ 970 6 67543 89764 09812 23275 67643 76743
5th	1230/1240	7865/5310	‘314’ 860 5 56439 89732 12175 67549 34216
26th			‘314’ 890 5 37515 etc (Tks Fritz)

Friday

6th	0600/0610	5460/ ?	‘934’ 560 7 81784 35554 85918 93787 48345 75525 56684
27th			‘934’ 850 6 19358 85462 07514 54855 34659 53628 (Tks Brian)
6th	0700/0710	7150/8215	‘196’ 403 5 79646 77199 12866 54004 43453
6th	0930/0940	11780/12570	‘516’ 940 7 05091 29210 61549 40901 40577 89661 94520
27th			‘516’ 902 7 68510 54324 41322 55587 70775 19358 85462

Saturday

7th	1000/1010	6440/5660	‘893’ 214 5 33796 13577 74526 46647 25616

S06 (fast ending, OM) – November log

Mon 2	1900	3189	‘407’ 00000
Weds 4	1800	3540	‘471’ 00000
Thurs 5	1905	3672	‘407’ 00000
Sat 7	1600	4613	‘969’ 00000
Weds 18	1800	3540	‘471’ 00000
Thurs 12	1905	3672	‘407’ 00000
Sat 14	1600	4613	‘969’ 00000
	1935	3812	‘274’ 00000

RNGB’s December 2010 report:

S06 - December log:

Weds	01	18.00	3540	‘471’ 00000
Thurs	02	19.05	3838	‘349’ 00000
Sat	04	16.05	5787	‘864’ 00000
Sat	04	19.35	3733	‘405’ 00000
Mon	06	19.05	3838	‘349’ 00000
Tues	07	18.01	3645	‘617’ 00000
Weds	08	18.00	3540	‘471’ 00000
Thurs	09	19.05	3838	‘349’ 00000
Sat	11	19.35	3733	‘405’ 00000
Mon	13	19.05	3838	‘349‘ 00000
Mon	13	21.15	6835	‘632’ 00000
Mon	13	22.15	5185	‘632’ 00000
Tues	14	18.00	3645	‘617’ 00000
Thurs	16	19.00	3192	‘349’ 00000
Sat	18	16.00	6807	‘864’ 00000
Mon	20	19.05	3838	‘349’ 00000
Weds	22	18.00	3540	‘471’ 00000
Fri	24	08.15	9463	‘ ?’ 647 30 08283.....48118
Sat	25	19.35	3733	‘405’ 00000
Weds	29	18.00	3540	‘471’ 00000
Thurs	30	19.00	3192	‘349’ 00000

S06c - December log:

Mon 6th	1043z	16203khz	i/p	‘11007’ Weak	(Hans)
				(Started again 1050z, ended 1054z).	
Thurs 30th	0804z	8171kHz	i/p	‘11625’ ended 0809z	(Gert)
	0818z	7823khz	i/p	‘11625’ ended 0819z	(Gert)

S06c looks like some sort of simple call-up system (maybe a voice version of X06?)
They usually last for 4 minutes and are often repeated on another frequency within 10 minutes.
Each frequency has a specific call-up. They all start with the figure 11 and there are 1,000 possible IDs
Looking into my logs I have found the following:

Call-up ID	**Frequencies**	**Date heard**
11001	9104, 11168, 16303	SEP07, MAY09
11007	12063, 16203	JUL09, DEC10
11012	14418, 14910, 16212	APR10
11019	5282	NOV07
11021	15987	JUL10
11059	12182	APR09
11060	11135, 13395, 13445	DEC08, MAY10
11068	12210	JUN04
11157	10810	JUL10
11160	14480	MAR03
11191	14730	APR10
11391	6915	NOV06
11625	7823, 8171	AUG10, DEC10
11715	7590	OCT06
11808	4819, 6779	DEC10
11915	12085	JUL09
11960	8185	MAY04

S06s - December log:

Monday

6th/13th	1300/1310	8420/10635	‘831’ 497 5 54413 27557 54518 50852 52561
20th/27th			‘831’ 942 5 53240 81981 45856 67169 34173
6th/13th	1600/1610	7436/6668	‘176’ 928 5 27768 93981 65657 54744 96690
20th/27th			‘176’ 943 5 33491 52256 43572 58510 92443

Tuesday

7th/14th	0700/0715	5250/6320	'374' 859 6 81725 46370 99167 34896 56781 33801
21st/28th			'374' 981 5 75415 46192 98254 55246 96285
7th/14th	0800/0810	5810/7440	'418' 267 5 62649 15307 25934 04558 45550
21st/28th			'418' 962 5 68867 20333 86726 48797 18672
7th/14th	0800/0810	10265/9135	'352' 491 6 52058 42714 59647 84218 25969 63445
21st/28th			'352' 489 6 54146 66941 40521 88695 78126 65351
7th/14th	1230/1240	5810/6770	'278' 435 6 34682 17455 55122 40995 14557 98045
21st/28th			'278' 409 5 52401 63919 92699 14600 74248
7th/14th	1500/1510	5070/6337	'537' 946 8 20163 29076 56705 45562 52562 63207 21065 63450
21st/28th			'537' 812 6 52537 53317 06675 41736 81413 94073

Wednesday

1st/8th	0530/0540	9435/11075	'153' No copy (No propagation)
1st/8th	0820/0830	6880/7840	'471' 289 5 52586 31515 97898 51475 96754
15th/22nd			'471' 869 5 20352 25599 92856 83647 25913
1st/8th	0830/0840	7335/11830	'745' 903 6 73935 03775 25670 01254 50239 42492
15th/22nd			'745' 921 6 84921 45160 78558 51387 23565 65224
1st/8th	0840/0850	9260/11415	'328' 964 5 83554 95573 25854 51811 11714
15th/22nd			'328' 467 5 36505 17076 57705 53445 31664
1st/8th	1000/1010	12365/14280	'729' 405 6 21774 73512 85586 71557 04774 07728
15th/22nd			'729' 458 6 76048 73045 18442 96316 32527 30859
1st/8th	1200/1210	7030/6305	'481' 972 5 29245 28842 82264 14255 81545
15th/22nd			'481' 257 6 34682 17455 55122 40995 14557 98045
29th			'481' 00000
1st/8th	1230/1240	4580/6420	'967' unreadable
15th/22nd			'967' 283 5 99228 77544 04816 56557 -5823?
1st/8th	1900/1910	8530/7520	'371' 982 5 94289 15244 21541 56568 48850
15th/22nd			'371' Unable to copy due QRM

Thursday

2nd/9th	0800/0810	11170/9820	'674' 230 5 68745 89703 23154 67645 90643
16th/23rd			'674' 981 5 31818 23179 48488 22463 91561
30th			'674' 00000
2nd/9th	0900/0910	10360/11050	'167' 483 5 89674 56423 12132 80967 56545
16th/23rd			'167' 980 5 11055 48330 42921 24605 59502
2nd/9th	1000/1010	8535/10480	'895' Not heard
16th/23rd			'895' Not heard
2nd/9th	1200/10/20/30/40/50	9155/9860/10372/10920/11587/12155	'425' 00000
16th/23rd	1200/1210	10580/9950	'425' 978 6 65677 06414 46656 45054 05275 48550
30th			'425' 00000
2nd/9th	1230/1240	7865/5310	'314' 579 6 67534 89706 34215 46534 79845 77331
16th/23rd			'314' 976 5 52285 67465 50568 71595 69436
2nd/9th	1400/1410	5320/4845	'624' 983 5 08568 82645 06645 57297 97392
16th/23rd			'624' 987 5 68734 90213 56439 08996 12164
30th			'624' 00000

Friday

3rd/10th	0600/0610	5460/7070	'934' 281 5 67823 56710 01965 38920 00913
17th/24th			'934' Not monitored
31st			'934' 00000
3rd/10th	0700/0710	7150/8215	'196' 237 5 63748 10926 78129 46991 14390
17th/24th			'196' 824 5 79645 ----- 78563 -9075? 3?417
31st			'196' 00000
3rd/10th	0930/0940	11780/12570	'516' 492 7 89110 52554 32249 56287 64599 76284 14137
17th/24th			'516' 834 7 09274 97835 87564 43696 40340 55014 61593
31st			'516' 00000

Saturday

4th/11th	1000/1010	6440/5660	'893' Not heard
4th	1200/1210	? /8260	'254' 803 6 54474 04099 64984 73642 61344 59363

NOTES:
Saturday ID 254 has only appeared on the FIRST Saturday of the month, no repeat has been found. Nor has the primary frequency which is presumed to start at 1200z
Saturday ID 893 has not been heard at all from the middle of November and all of December. Change of day/time?
Thursday ID 895 has also gone missing. Another candidate for change of day/time?
The Thursday ID 425 came back from 'vacation' mid- December sending messages again.
Tues 21st
Hans caught this one in progress at 1522z on 4855kHz (voice of S06 Old Man)
923 x 3; 66663 x2 (repeated)
then 923 x3 ; 65143 x 2 (repeated)

Weds 29th
caught S06 OM again today, 4819 kHz at 1245z (in progress)

45108(R2) 808(R3) repeated until 1249z, then:
44198(R2) 808(R3)

Ended 1253z with "00000 00000" (Hans)

Sounds like the voice version of M01a/c but ending is slightly different, sending 5 and not 3 zeroes.

S06 others' logs

November 2010

3733kHz	1935z	27/11[405 00000] FN Sat 1930z txm: QRM BC	FN	SAT
3838kHz	1907z	11/11[i/p 349 349 349 00000]	MLVC	THU
	1905z	18/11[349 0 0 0 0 0]	FN	THU
	1905z	22/11[349 00000] Strong	Hans	MON
5410kHz	2215z	08/11[218 00000] Strong QSB2	Hans	MON
	2215z	22/11[215 00000] Fair RTTY-QRM3	Hans	MON
5460kHz	0600z	19/11[904] Weak signal, very strong noise	FR	FRI
	0600z	26/1 [934 268/5 ?????]QRM, QSB	FR	FRI
5787kHz	1605z	06/11[864 00000] Strong	Hans	SAT
	1605z	20/11[864 00000] Strong signal, moderate to strong noise	FR, Hans	SAT
	1605z	27/11[864 00000] Strong	Hans, FN	SAT
6803kHz	1600z	13/11 [864 00000], strong with moderate noise	FR	SAT
6807kHz	1600z	13/11[864 00000]	FN	SAT
	1600z	27/11[864 00000] Strong	Hans, FN	SAT
7150kHz	0700z	26/11[196 402/5 49079 49358 93305 25405 28069 00000] QRM	FR	FRI
7335kHz	0830z	03/11[745 891 891 6 6]	GD	WED
8215kHz	0710z	19/11[196 402/5 45079 45358 45389 93309 25405 00000] Very Strong	FR	FRI
	0710z	26/11[196 402/5 49079 49358 93305 25405 28069 00000] QRM	FR	FRI
8530kHz	1900z	03/11[371 840 5 134794 90702 22594 5?725 58240] S7 YL but faded	Mndbs, GD	WED
	1900z	21/11 [371 406 5 67793 34705 05248 53853 41036 406 5 00000] S7 YL	Mndbs	SUN
9260kHz	0840z	03/11[28 914 914 5 5]	GD	WED
9463kHz	1133z	18/11[801 934 56 02801 86401 .... 93160] 1151z Strong (Stopped at the 10th group, called 801 for several minutes and continued from the 6th group)	Hans	THU
11780kHz	0930z	19/11[516 429/7 52262 51311 48362 86824 35880 52615 42592 00000] Strong, QSB, BCQRM fm-5kHz	FR	FRI
	0930z	26/11[516 ???/?? ?????] Severe QSB	FR	FRI
12570kHz	0940z	19/11[516 429/7 52262 51311 48362 86824 35880 52615 42592 00000] Very strong, occ QRM	FR	FRI
	0940z	26/11[?], Very strong noise obviated transmission	FR	FRI

S06c

6779kHz	1135z	16/11[11808] Strong, in progress. Ended 1139z. Found again on 4819kHz at 1147z, also now "11808". Ended 1149z	Hans	TUE

S06s

3540kHz	1800z	17/11[471 00000]	FN	WED
4845kHz	1410z	18/11[624 875 9 47803]	FN	THU
5070kHz	1500z	16/11[537 481 7 18276]	FN	TUE
5250kHz	0700z	16/11[374 801 5 ... 00000] 0705z Fair	SL	TUE
	0700z	23/11 [374 801 5 25632 ... 00000] 0705z Fair	SL	TUE
	0700z	30/11 [374 00000] 0703z Fair QRN4	SL	TUE
5310kHz	1240z	18/11[314 876 5 82397]	FN	THU
5320kHz	1400z	18/11[624 875 9 47803]	FN	THU
5460kHz	0600z	05/11[934 261 5 52244 57739 99154 20543 15819] Weak QSB3	Hans	FRI
	0600z	26/11[934 278 5 16395 ... 00000] 0605z Fair	SL	FRI
5660kHz	1010z	06/11[893 260 5 65562 72434 55747 67671 57429] Weak	Hans	SAT

6320kHz 0715z	16/11[374 801 5 ... 00000] 0720z Fair	SL	TUE
0715z	23/11[374 801 5 25632 ... 00000] 0720z Fair	SL	TUE
6337kHz 1510z	16/11[537 481 7 18276]	FN	TUE
6420kHz 1240z	24/11[967 402 5 98542 38652 72118 95535 65508] Weak/Fair QSB3	Hans	WED
6668kHz 1610z	15/11[176 983 5 44937]	FN	MON
6770kHz 1240z	16/11[278 491 5 98463 33090 46522 22104 66010] Strong	Hans	TUE
6880kHz 0820z	17/11[471 582 6 43525] break of 2 min. during call-up	FN	WED
7030kHz 1200z	17/11[481 507 6 97974]	FN	WED
7070kHz 0610z	05/11[934 261 5 52244 57739 99154 20543 15819] Fair QSB3	Hans	FRI
7335kHz 0830z	17/11[745 813 6 32222]	FN	WED
0830z	24/11[745 813 6 32222 ... 00000] 0835z Good	SL	WED
7436kHz 1600z	15/11[176 983 5 44937]	FN	MON
7440kHz 0810z	02/11[418 970 5 49982 65351 45520 68263 56341] Strong	Hans	TUE
7840kHz 0830z	17/11[471 582 6 43525]	FN	WED
7865kHz 1230z	18/11[314 876 5 82397]	FN	THU
8215kHz 0710z	19/11[193 ... 00000] 0715z Weak	SL	FRI
0710z	25/11 [931 402 5 45075 ... 00000] 0715z Weak	SL	THU
8535kHz 1000z	18/11[895 403 6 13852]	FN	THU
9135kHz 0810z	30/11 [352 419 6 ... 00000] 0815z Weak	SL	TUE
9260kHz 0840z	17/11[328 450 6 67856]	FN	WED
10480kHz 1010z	18/11[895 403 6 13852]	FN, SL	THU
10635kHz 1310z	15/11[831 ...] 1315z Weak	SL	MON
1310z	22/11 [831 293 5 ... 00000] 1315z Weak	SL	MON
1340z	29/11 [831 00000] 1343z Fair	SL	MON
11415kHz 0850z	17/11[328 450 6 67856]	FN	WED
0850z	24/11[328 450 6 67856 19492 03565 44415 36489 48695] Strong	Hans	WED
11780kHz 0930z	19/11[516 429 7 52262]	FN	FRI
0930z	26/11[516 429 7 52262]	FN, SL	FRI
11830kHz 0840z	24/11 [745 ... 00000] 0845z Weak	SL	WED
12365kHz 1000z	03/11[729 863 5 85271 75855 41555 86483 11290] Fair	Hans	WED
1000z	17/11[729 453 6 94074]	FN	WED
1000z	24/11[729 453 6 94074 53585 53135 80424 35251 75672] Strong	Hans, SL	WED
12570kHz 0940z	19/11[513 429 7 ... 00000] 0945z Fair	SL, FN	FRI
0940z	26/11[516 429 7 52262]	FN	FRI
12952kHz 0900z	18/11[167 439 5 03405 41956 93855 58816 05123] Strong	Hans, FN	THU
13565kHz 0900z	11/11 good signal 5/7	G	THU
0910z	18/11 [167 439 5 03405 41956 93855 58816 05123] Strong	Hans, FN	THU
14280kHz 1010z	03/11[729 863 5 85271 75855 41555 86483 11290] Strong	Hans	WED
1010z	17/11[729 453 6 94074]	FN	WED
1010z	24/11 [729 453 6 94074 53585 53135 80424 35251 75672] Strong	Hans	WED

December 2010

S06

3192kHz 1900z	30/12[349 349 349 00000]1904z QSA3	JanO	THU
3838kHz 1905z	27/10[349 00000]	Gert	MON
6668kHz 1611z	20/12[176 /943 (Adim Sim Shest devyt chetera tri) 2222 S End 1615 00000 USB	GN	MON
12952kHz 0900z	30/12[167 00000]	Gert	THU
13565kHz 0910z	30/12[167 00000]	Gert	THU

S06c

7823kHz 0818z	30/12 calling 11625 ended 0819z i/p	Gert	THU
8171kHz 0804z	30/12 calling 11625 ended 0809z i/p	Gert	THU
16203kHz 1043z	06/12 [11007] 1045z i/p (Started again 1050z, ended 1054z). Weak	Hans	MON

S06s

4580kHz 1230z	29/12[967 00000] Strong RTTY-QRM4	Hans	WED
5070kHz 1500z	28/12[537 812 6 52537 53317 06675 41736 81413 54073 812 6 00000] Strong	Hans	TUE
5250kHz 0700z	07/12[974 ... 00000] 0705z Weak	SL	TUE
0700z	14/12[374 859 6 81725 46370 99167 34896 56781 33801] Strong	Hans, SL	TUE
0700z	21/12 [374 981 5 75415 46192 98254 55246 96285 981 5 00000] Fair	Hans, gts, SL	TUE
5310kHz 1240z	23/12[314-976/5=52285 67465 50568 71595 69436] weak	Gert	THU
5460kHz 0600z	10/12[934 281 5 ... 00000] 0605z Weak	SL	FRI
0600z	17/12 Too weak for message/faded out	SL	FRI
5810kHz 0800z	14/12[418 267 5 62649 15307 25934 04558 45550] Strong	Hans	TUE
6305kHz 1210z	22/12[481- too weak to copy]	Gert	WED
1210z	29/12[481 00000] Fair	Hans	WED
6320kHz 0715z	07/12[374 859 6 81725 46370 99167 34896 56781 33801] Weak/Fair QSB3	Hans, SL	TUE
0715z	14/12[374 859 6 ... 00000] 0720z Fair	SL	TUE
0715z	21/12[374 981 5 ... 00000] 0720z Fair	SL	TUE
7335kHz 0830z	01/12[745 903 6 73935 ... 00000] 0835z Fair	SL	WED
0830z	08/12[745 903 6 ... 00000] 0835z Good	SL	WED
0830z	15/12[745 921 6 ... 00000] 0835z Good	SL	WED
0830z	22/12[745 921 6 ... 00000] 0835z Fair	SL	WED
7840kHz 0830z	22/12[471-869/5=20352 25599 92856 83647 25913]	Gert	WED
7865kHz 1230z	23/12[314-976/5=52285 67465 50568 71595 69436]	Gert	THU
8215kHz 0710z	10/12[193 ... 00000] 0715z Weak	SL	FRI
8420kHz 1300z	06/12[831 497 5 54413 27557 54518 50852 52561] Fair	Hans	MON
9135kHz 0810z	14/12[352 491 6 52058 42714 59647 84218 25969 63445] Weak	Hans	TUE
0810z	21/12[352 489 6 54146 66941 40521 88695 78126 65351 489 6 00000] Strong	Hans, SL	TUE
9260kHz 0840z	22/12[328-467/5=36505 17076 57705 53445 31664] another S06s audible in bg	Gert	WED
9950kHz 1210z	16/12[425 978 6 ... 00000] 1215z Weak	SL	THU
1210z	23/12[425 978 6 65677 06414 46656 45054 05275 00000] 1215z Weak	SL, Gert	THU
10580kHz 1200z	16/12[425 978 6 ... 00000] 1205z Weak	SL	THU
1200z	23/12[425 978 6 65677 06414 46656 45054 05275 00000] 1205z Fair	SL, Gert	THU
10635kHz 1010z	06/12[831 497 5 54413 27557 54518 50852 52561] Weak	Hans	MON
1310z	13/12 [831 ??? 5 ... 00000] 1315z Weak	SL	MON
1310z	20/12 [831 ... 00000] 1315z Weak	SL	MON
11415kHz 0850z	22/12[328-467/5=36505 17076 57705 53445 31664]	Gert	WED
11780kHz 0930z	10/12 0935z Too weak for message BCB QRM	SL	FRI
0930z	17/12[516 834 7 09274 97835 87564 43696 40340 55014 61593 834 7 00000] Strong BC-QRM3	Hans	FRI
11830kHz0840z	01/12[745 ... 00000] 0845z Weak	SL	WED
0840z	08/12[745 903 6 ... 00000] 0845z Fair	SL	WED
0840z	15/12[745 921 6 ... 00000] 0845z Weak	SL	WED
12365kHz 1000z	01/12[729 405 6 21774 73512 85586 71557 04774 07728] Strong	Hans, SL	WED
1000z	08/12[729 ... 00000] 1005z Weak	SL	WED
1000z	15/12[729 458 6 ... 00000] 1005z Fair	SL	WED
1000z	22/12[729-458/6=76048 73045 18442 96316 32527 30859]	Gert, SL	WED
12570kHz 0940z	10/12[516 492 7 ... 00000] 0945z Fair	SL	FRI
0940z	17/12[516 834 7 ... 00000] 0945z Weak	SL	FRI
14280kHz 1010z	01/12[729 405 6 21774 73512 85586 71557 04774 07728] with usual QRM....	Hans	WED
1010z	22/12[729-458/6=76048 73045 18442 96316 32527 30859]	Gert	WED
1010z	22/12[967-283/5=99228 77544 04816 56557 51269]	Gert	WED

S11a [III]

6877kHz 0855z	02/11 [484/00]	RNGB	TUE
7840kHz 0730z	02/11 [422/35 27046 17615 54067 47536 43900…..45377] Very strong	RNGB	TUE

S21 [XIV]

November 2010:

3323kHz 1843z	02/11[323 361 32] S7 OM S06 voice? 323 361 32 14433 19274 84854 33599 92013 57011 10883 31658 74516 13674 07760 65829 54019 33304 57251 19614 11540 81264 46650 08589 12142 37538 97219 10802 76749 16511 42994 74674 31367 16329 71576 67990 361 32 000	Mndbs, Hans	TUE
1842z	09/11 Hum, via web rx in UK	gts	TUE
3823kHz 1842z	02/11[323 361 32 14433 19274 .... 67990] 1853z Strong	Hans	TUE
1842z	09/11 Hum, via web rx in UK	gts	TUE

December 2010:

3323kHz 1843z	30/12[727 then 323 - 812/34 47732 40129 25684 66272 LOS] S7 QRM	Mndbs	THU

V02a [XVIII]

Some V02s analysis before the logs to explain that differing last group in 'repeated' V02a transmisions. [PLdn]

It has long been assumed a repeat one hour later occurs. However it was noted the last group sometimes changes.
To offer some analysis two different pairs of transmissions were studied grp wise, with the following resultsproduced.

In the following analysis any character in parenthesis indicates that figure to be an unsure value.

5883kHz 0700z 04/12[A74801 68741 47312 LG33114]Finalé(R3) 0742z Fair, TTYQRM2.

5989kHz 0800z 04/12[A74801 68741 47312 LG23578] Finalé(R3) 0842z Strong

0700z 04/12/2010, these values refer: A74801 68741 47312 LG33114

MSG Group	Start group	End group
74801	76754	67858
68741	11034	64(5)81
47312	61224	33114

0800z 04/12/2010, these values refer: A74801 68741 47312 LG23578

MSG Group	Start group	End group
74801	64801	68758
68741	66387	67171
47312	72300	23578

A similar transmission sent 27 days later was also analysed using the same technique:

5883kHz 0700z 01/01[A36211 38682 72507 LG27367] Finalé(R3) 0742z Fair

5898kHz 0800z 01/01[A36211 38682 72507 LG73848] Finalé(R3) 0842z Fair

0700z 01/01/2011, these values refer: A36211 38682 72507 LG27367

MSG Group	Start group	End group
36211	14467	17066
38682	52750	25(1)78
72502	81125	27367

0800z 01/01/2011, these values refer: A36211 38682 72507 LG63848

MSG Group	Start group	End group
36211	18208	85776
38682	27756	61353
72502	31006	73848

The differing last group indicates entirely different messages being sent under the repeated addresses and one can no longer assume a repeated message in the second sending. Of course this brings some otheor questions to the fore: Why the same headers for a different message? Why do some transmissions start with a blank carrier and apparently not repeated? Surely the answer isn't the messages are time wasters for hostile SIGINT personnel, can it?
[This does explain why I have specifically logged the last group though].

November 2010

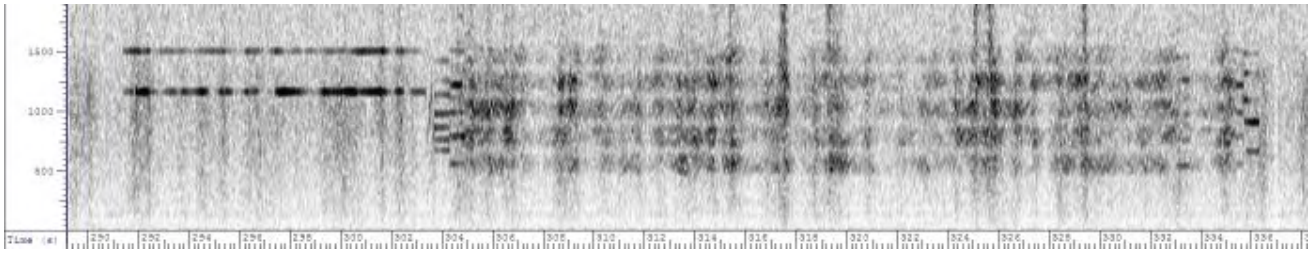
4035kHz	0400z	08/11 .... Very weak sig QRM5		dj	MON
	0400z	29/11[A14231 81012 10381] Very weak sig. Heavy QRM.		dj	MON
5117kHz	0400z	15/11[A xxxxx 67072 47152] In progress missed callup, winter freq.		Jon-FL	MON
5880kHz	0720z	08/11 part transmission		WWP	MON
5883kHz	0700z	01/11[A47722 70022 07321] Strong		Hans, dj	MON
	0700z	02/11[A35561 14312 61442] Strong		Gil	TUE
	0700z	04/11[A41541 75102 34881] Strong		Gil	THU
	0659z	05/11[A42312 53832 00071] Strong		Gil	FRI
	0700z	06/11[A16512 31432 28201 LG81034] Finalé(R3) 0742z Fair	(42m00s)	PLdn	SAT
	0659z	07/11[A48631 57712 11622 LG13558]Finalé 0741z Strong throughout, started 40s early	(42m00s)	PLdn, G, dj	SUN
	0700z	14/11 [A62111 74421 55782] Strong*		Hans, dj	SUN
		(*started again on 5883kHz at 0759z but switched to 5898 two minutes later).			
	0700z	16/11[A87572 26611 07221] Strong		Hans, Jon-FL	TUE
	0700z	18/11[..... 84662 36081 LG68317] Finalé(R3) 0730z Strong, ip 0730z MCW: 88888 TTT	(39m20s)	PLdn	THU
	0700z	20/11[..... ..... 83531 LG 57515]Finalé(R3) 0741z Blank strong carrier to 0720z then msg grp 21615 and into last msg routine	(41m06s)	PLdn	SAT
	0805z	20/11[...92?99...finale R3x] 0840z QSA3 QRM3		K5KNT	SAT
	0700z	23/11[A34041 46242 73402]		DanAr, K5KNT	TUE
	0728z	25/11[...83112... LG 88183 ... finalé(R3)] 0741z i/p weak signal		K5KNT	THU
	0700z	27/11[88212 42621 75331 LG30714] Finalé(R3) 0739z Strong. Carrier, no atencion, into 1st msg hdr (R3)	(39m12s)	PLdn, DanAr	SAT
	0700z	28/11[A47701 04382 76651 LG57000] Finalé(R3) 0744z Strong, started 1m12s late	(39m53s)	PLdn, DanAr	SUN
5898kHz	0759z	01/11[A47722 70022 07321] Strong		Gil	MON
	0758z	02/11[A35561 14312 61442] Strong		Gil	TUE
	0758z	04/11[A41541 75102 34881] Strong		Gil	THU
	0759z	05/11[A42312 53832 00071] Strong Gil FRI			
	0800z	06/11[A16512 31432 28201 LG81034] Finalé(R3) 0842z Strong 0742z	(42m00s)	PLdn	SAT
	0759z	07/11[A48631 57712 11622] Strong		Gil	SUN
	0800z	08/11[A02281 04251 07511] Strong		Hans	MON
	0800z	09/11[A70741 28242 3?132] Fair		Gil	TUE
	0800z	21/11[86542 26101 08562 LG2772(3)] Finalé(R3) 0839z i/p Strong	(39m16s)	PLdn	SUN
	0801z	25/11[A20102 12241 83112(R3)... 02102 02102 FG32xx2... LG 88183] finalé 0841z		K5KNT	THU
	0758z	27/11[88212 42621 75331 LG85408] Finalé(R3) 0739z Strong. Carrier, no atencion, into 1st msg hdrr (R3)	(39m12s)	Hans, PLdn	SAT
	0801z	28/11[A47701 04382 76651 LG87021] Finalé(R3) 0744z Strong, started 1m12s late	(41m06s)	PLdn	SUN
	0700z	30/11[A86161 60451 71422]		DanAr	TUE
6768kHz	0400z	01/11[A56161 22121 66161] Good sig		dj	MON
	0100z	13/11 .... 71518 Weak sig. Poor sig quality.		dj	SAT
6855kHz	0330z	14/11 In progress when received		gts	SUN
	0300z	15/11[..... ..... 67072] Very weak sig		dj	MON
9040kHz	0900z	03/11 .... Caught late. VG .sig. **		dj, Gil	WED
9063kHz	0900z	03/11[26861 28061 64101 VG sig. **		dj, Gil	WED
		** These signals had an intermittent crackling noise like a loose antenna cable, possibly due to high winds.			
9240kHz	1000z	03/11[A26861 28061 64101] Strong		Gil	WED
12180kHz	1900z	02/11[A62322 88752 86452] Weak sig		dj	TUE
	1900z	11/11 LSB .... Weak sig. Caught late		dj	THU
		Freq 12180kHz had some kind of ticking QRM with a very strong signal. I found that the traffic became readable on LSB. However, the next hour there was a fairly clear freq on 13380, but that one came in far better as LSB. We'll have to see if that was a one-time deal or if they changed modes for these skeds.			
	1900z	23/11[A40082 44871 67041] Weak sig. Cuts into M8a.		dj	TUE
	1900z	25/11[A53842 74411 77122] Weak sig, began with badly blocked and distorted M08a. QRM4		dj	THU
	1900z	30/11[A27521 81682 11062] Good sig.		dj	TUE
13380kHz	2000z	02/11 .... Weak sig. Up late IP		dj	TUE
	2000z	04/11[35312 72081 14671] Weak sig. QRM4		dj	WED
	2000z	11/11 LSB[A07562 32801 58282 Good sig. LSB.		dj	THU
	2000z	16/11 .... Weak sig. Up late IP. QRM		dj	TUE

	2000z	18/11[A06272 58512 54082] Weak sig. QRM/N		dj	THU
	2000z	25/11[A53842 74401 77122] Good sig. QRM3		dj	THU
	1800z	30/11 (ip)Very strong		Sage	TUE
	2000z	30/11[A27521 81682 11062 Very weak sig.		dj	TUE

December 2010

Jon-FL reminds us that V02a has changed to winter freqs for the 0300z and 0400z MON slots.

4028kHz	0100z	10/12[A xxxxx 08872 63462] In progress, Missed callup.		JonFL	FRI
4174kHz	0300z	20/12 Carrier, no audio		JonFL	MON
5117kHz	0400z	20/12Carrier, no audio		JonFL	MON
5883kHz	0700z	02/12[A75601 00432 51521 LG17745] Finalé(R3) 0741z Fair	(40m28s)	PLdn, DanAr	THU
	0700z	03/12[A47181 28151 54602]		DanAr	FRI
	0700z	04/12[A74801 68741 47312 LG33114]Finalé(R3) 0742z Fair, TTYQRM2	(42m02s)	PLdn	SAT
	0700z	06/12[A35362 68561 84872 LG33421] Finalé(R3) 0742z Strong	(41m59s)	PLdn	MON
	0700z	07/12[A37401 58221 73002]		DanAr	TUE
	0700z	09/12[- ----- 15801 43281 LG03345]Finalé(R3) 0742z Fair, QSB2	(41m53s)	KNT, WWP, PLdn	THU
	0700z	10/12[A24121 53101 83242] Good sig.		dj, DanAr	FRI
	0700z	11/12[A12372 10672 62632] *LG10581*		DanAr, dj, PLdn	SAT
	0700z	12/12[A62082 72241 87542]		dj, DanAr, PLdn	SUN
	0700z	13/12 carrier then 87752 LG78137] Finalé 0742z Strong		PLdn, DanAr	MON
	0700z	14/12[A82671 42531 84602]		DanAr, dj	TUE
	0700z	16/12[A65121 47512 67181 LG90599] Finalé(R3) 0742z Fair	(41m49s)	PLdn, DanAr, dj	THU
	0700z	18/12[A83321 78552 56622 LG84610] Finalé(R3) 0743z Strong	(43m40s)	PLdn, DanAr, dj	SAT
	0700z	19/12[A36381 50161 48861]		DanAr, PLdn, dj	SUN
	0700z	20/12[A77771 12881 47271]		DanAr, JonFL, dj	MON
	0700z	21/12[A11261 81012 24442] Good Sig		dj, DanAr	TUE
	0700z	23/12[A86482 70871 06822 Weak sig.		dj, JonFL PLdn	THU
	0700z	24/12[A23002 33041 63121]		DanAr	FRI
	0700z	25/12[A32651 44712 01262 LG36478]Finalé(R3)0742z Strong	(42m02s)	PLdn,DanAr	SAT
	0659z	27/12[A31672 05552 61141 LG47450] Finalé(R3)0742z Strong	(43m22s)	PLdn, DanAr	SUN
	0659z	28/12[A83431 41082 64202 LG00610] Finalé(R3)0742z Strong	(41m48s)	PLdn, DanAr	TUE
	0700z	30/12[74732 06372 67452]		DanAr	THU
	0659z	31/12[A83182 32251 66722 LG23255] Finalé(R3)0742z Fair, XJTQRM3 at start	(41m44s)	PLdn, DanAr	FRI
5898kHz	0800z	02/12[47181…. LG44821] Finale(R3) 0838z Started early		PLdn	FRI
	0800z	04/12[A74801 68741 47312 LG23578] Finalé(R3) 0842z Strong	(42m02s)	PLdn, DanAr	SAT
	0800z	06/12[A35362 68561 84872 LG47804] Finalé(R3) 0742z Strong	(41m59s)	PLdn, Hans, DanAr	MON
	0800z	07/12[A37401 58221 73002] Strong		Hans	TUE
	0800z	09/12[A05231 15801 43281 LG03345]Finalé(R3) 0742z Strong,QRM2	(41m53s)	KNT, PLdn	THU
	0800z	10/12[A24121 53101 83242 LG91231]Finalé(R3) 0742z Fair	(41m54s)	DanAr,PLdn	FRI
	0800z	11/12[A12372 10672 62632 LG66100]Finalé(R3) 0742z Fair, QRM2	(41m53s)	PLdn	SAT
	0800z	13/12 ‘ 6281 A’ then into SK01[see image below], end uk		PLdn	MON



Signal heard on 5898kHz 0800z 13/12

	0800z	16/12[A65121 47512 67181] Good sig.		dj	THU
	0800z	18/12[A83321 78552 56622] Strong QSB3		Hans, PLdn	SAT
	0800z	19/12[A36381 50161 48861LG55501]Finalé(R3) 0841z Fair	(41m10s)	DanAr, PLdn, dj	SUN
	0800z	20/12[A77771 12881 47271] Good sig.		dj	MON
	0800z	21/12[A11261 81012 24442] Good sig.		dj	TUE
	0800z	23/12[A86482 70871 06822 LG63366] Finalé(R3)0842z Fair to strong		PLdn, dj, JonFL	THU
	0800z	24/12[A23002 33041 63121 LG20725] Finalé(R3)0841z Strong	(41m29s)	PLdn	FRI
	0800z	25/12[A32651 44712 01262 LG74857]Finalé(R3)0842z Strong	(42m02s)	PLdn	SAT
	0800z	26/12[A33171 58651 11662 LG55607] Finalé (R3) 0842z Fair	(42m01s)	PLdn	SUN
	0800z	28/12[A83431 41082 64202] Good sig.		dj	TUE
	0803z	31/12[- - - - - - 32251 66722 LG23255] Finalé(R3)0842z Fair, QRM2. Started late		PLdn	FRI
6768kHz	0400z	20/12 Carrier, no audio		JonFL	MON
6855kHz	0300z	20/12 Carrier, no audio		JonFL	MON
6933kHz	0100z	03/12 i/p joined very late. Ends 0140z		JonFL	FRI
8136 kHz	0100z	24/12[A 85472 34072 56111] LSB; error, left TX on freqfrom 2300z THU		JonFL	FRI
	0200z	24/12[A 85472 34071 56111] LSB; error, left TX on freqfrom 2300z THU		JonFL	FRI

8186kHz	0800z	13/12[A28381 47221 46281] Very weak sig	dj	MON
9040kHz	0900z	15/12[A86881 04181 60662]	dj	WED
	0900z	23/12[A31562 56742 37612]	dj	THU
9153kHz	0700z	17/12[A31721 26741 87352] Expected M08a.	dj	FRI
13380kHz	2000z	21/12[A00002 24851 55782] Weak sig. Strong buzzing noise atop sig.	dj	TUE
	2000z	23/12[A28271 87.82 27842] Very weak sig.	dj	THU
	2000z	28/12[A73532 60001 12152] Weak sig	dj	TUE
	2000z	30/12[A26281 76012 03162] Good sig. Note mode LSB	dj	THU

PoSW's log and analysis:

Stays on UTC so now summertime has ended shows up one hour earlier UK time, i.e. the 0700 UTC sending is on at 7 am which gives some of us the opportunity to monitor it over breakfast! At weekends the 0800z sending often starts up on the wrong frequency with such regularity that you have to wonder if it is deliberate, although it is difficult to see what useful purpose would be achieved in doing so!

31-Oct-10 Sunday:- 0700 UTC, “Atencion, 70712 27412 27752”, early start, call-up in progress when tuned in just before the hour. “70712” repeated and into 5Fs just after 0701z. Summertime has now ended and the clocks have gone back by an hour, so this 0700z is now on at 7 am in the UK. Strong DRM on the LF side - not noticed in the summer months, must be someone's new broadcast schedule - makes the Señorita from Cuba unreadable in wide am mode, OK in USB.
0758 UTC – started two minutes early - 5,883 kHz, so on the wrong frequency, 5,898 the norm for this sending. “70712 27412 27752”, same as earlier. The DRM on the LF side started up shortly after 0800z. V02a had gone from 5,883 and was on 5,898 when checked again at 0819 UTC.

1-Nov-10, Monday:- 0700 UTC, 5,883 kHz, “Atencion, 47722 70022 07321”. The DRM is going to be with us on weekdays, not just Sundays!

2-Nov-10. Tuesday:- 0700 UTC, 5,883 kHz, “Atencion, 35561 14312 61442”.

4-Nov-10, Thursday:- 0700 UTC, 5,883 kHz, started 40 seconds before the hour, “Atencion, 41541 75102 34881”.

5-Nov-10, Friday:- 0700 UTC, 5,883 kHz, “Atencion, 42312 53832 00071”. Weak signal, the DRM on the LF side very strong this morning.

6-Nov-10, Saturday:- 0700 UTC minus 40 seconds, 5,883 kHz, “Atencion, 16512 31432 28201”.
0800 UTC, 5,898 kHz, also 40 seconds early, “16512 31432 28201”, as earlier.

7-Nov-10, Sunday:- 0700 UTC, 5,883 kHz, “Atencion, 48631 57712 11622”, peaking S9, slight background buzz.
0800 UTC, 5,883 kHz - on the wrong frequency, 5,883 instead of 5,898. “48631 57712 11622” as earlier.

9-Nov-10, Tuesday:- 0700 UTC, 5,883 kHz, “Atencion, 70741 28242 32132”.

11-Nov-10, Thursday:- 0700 UTC, 5,883 kHz, “Atencion, 50122 15452 77851”.

12-Nov-10, Friday:- 0700 UTC, 5,883 kHz, “Atencion, 34771 83752 14232”. Into 5Fs before 0701z.

14-Nov-10, Sunday:- 0700 UTC, 5,883 kHz, “Atencion, 62111 74421 55782”. Weak signal,S6 at best, the DRM on the LF side very strong.
0800 UTC, minus 45 seconds, early start, 5,883 kHz, - the wrong frequency again - with same call-up as earlier. Suddenly vanished after 0801z and re-appeared on 5,898 kHz with continued call-up routine. Peaking S9, stronger than the 0700z sending which is unusual.

20-Nov-10, Saturday:- 0700 UTC, 5,883 kHz, carrier only, no voice heard when monitored until 0703z. Voice was in progress when checked again at 0723z.
0800 UTC, 5,883 kHz, again someone hadn't changed to 5,898. “Atencion, 16811 24711 83531”. “16811” repeated and into 5Fs by 0802 and 30s Zulu. Was still on 5,883 when checked again at 0820z.

21-Nov-10 Sunday:- 0700 UTC, 5,883 kHz, an early start, tuned in just after the hour to hear “82542” being repeated and into 5Fs by 0700 and 30 seconds.
0759 UTC, 5,898 kHz, call-up in progress, “Atencion, 82542 26101 08562”.

23-Nov-10, Tuesday:- 0700 UTC, 5,883 kHz, “Atencion, 34041 46242 73402”.

27-Nov-10, Saturday:- 0800 UTC, 5,898 kHz, “Atencion, 88212 42621 75331”. Early start, call-up in progress when tuned in almost one minute before the hour, into 5Fs by 0800 and 30 seconds UTC.

28-Nov-10, Sunday:- 0701 UTC, 5,883 kHz, nothing on 5,883 until approx. one minute past the hour then suddenly came up with, “Atencion, 47701 04382 76651”.
0800 UTC, 5,898 kHz, “47701 04382 76651”, as earlier.

4-Dec-10, Saturday:- 0800 UTC, 5,898 kHz, started within a second or two of the hour! “Atencion, 74801 68741 47312”.

5-Dec-10, Sunday:- no sign of The Señorita from Cuba at 0700 UTC on 5,883 kHz - *but* ;-
0705 UTC, 5,800 kHz - V02a found in progress on 5,800 kHz. Was still on this frequency when checked later on, ended with 3 x “Finale” just before 0742z.
0800 UTC, 5,800 kHz, started up on this frequency again at 0800z but vanished after 30 seconds. Found on the correct frequency 5,898 kHz immediately afterwards with, “Atencion,25721 28762 23481”.

9-Dec-10, Thursday:- 0700 UTC, 5,800 kHz - that frequency again. “Atencion, 05231 15801 43281”.

10-Dec-10, Friday:- 0700 UTC, 5,883 kHz - they got the frequency right this morning - “Atencion, 24121 53101 83242”, weak signal.

11-Dec-10, Saturday:- 0700 UTC, 5,883 kHz, “Atencion, 12372 10672 62632”, difficult copy, not due to weak signal which was S6 to S7 but the level of modulation seemed low in relation to the carrier. A bit like E07's long-standing problem.

0800 UTC, 5,883 kHz - the wrong frequency again. Also low audio, difficult to hear, call-up appeared to be the same as at 0700z. Was on the correct frequency, 5,898, when checked again at 0832z.

12-Dec-10, Sunday:- 0800 UTC, 5,898 kHz:- plain carrier only, no voice when monitored until 0803z. Still the same when checked again at 0810z.

18-Dec-10, Saturday:- 0800 UTC, 5,898 kHz, "Atencion, 83321 78552 56622".

25-Dec-10, Saturday:- Christmas Day, no time off in Cuba, seemingly - 0800 UTC, 5,898 kHz, "Atencion, 32651 44712 01262", signal peaking S8 to S9 with good audio.

The weather outside this morning from London Stansted Airport's information channel:-
wind from 330 degrees, 5 knots, visibility 700 metres in freezing fog, temperature -3 C,
dew point -3 C, air pressure 1,025 millibars. It's b****y cold out there and the side roads and footpaths are like skating rinks. That'll be down to the global warming, then!

27-Dec-10, Monday:- 0700 UTC, 5,883 kHz, "Atencion, 31672 05552 61141".
0800 UTC, 5,898 kHz, "31672 05552 61141", same as earlier.

V07 [IB]

Nothing heard from this one for sometime…….

Freq list vs month from AnonUK:

January	0600 10879	0620 12179	0640 13479 814
February	0600 13366	0620 14866	0640 16266 382
March	0600 14387	0620 16087	0640 17487 304
April	0600 14387	0620 16087	0640 17487 304
May	0600 14621	0620 16321	0640 17521 635
June	0600 14621	0620 16321	0640 17521 635
July	0600 13837	0620 14937	0640 16697 896
August	0600 13837	0620 14937	0640 16697 896
Sept	0600 13381	0620 14781	0640 16281 372
October	0600 14521	0620 15821	0640 17421 584
November	0600 12152	0620 13552	0640 14952 159
December	0600 9272	0620 10672	0640 12172 261 [Tnx AnonUK]

V13 [0]
For more info check my website at kentfoto -dot- com -slash- spooks.

V21 [Babbler]

Analysis follows the logs:

November:

5637kHz 1441z	15/11 SS counting. Weak to fair signal ends 1512z	Crg	MON

December:

5637kHz 1411z	06/12Singing man SS, strong signal.	SR	MON
5637kHz 1355z	08/12 Fair reception, singing man with very fast delivery at start, then very slow starting at 1410z, slowly picking up and varying speed but still singing the numbers. Lots of dead air spaces.	SR	WED
5637kHz 1407z	09/12 Fair signal, singing man, sounding tired.	SR	THU
5637kHz 1404z	10/12 Singing man, weak signal, usual dead air spaces and varying delivery speed.	SR	FRI
5673kHz 1352z	12/12Singing Man, fair to good signal, usual dead air spaces and background talking/music	SR	MON
5637kHz 1352z	14/12 Singing Man, fair signal, noisy. Dead air spaces and background talking.	SR	TUE
5637kHz 1407z	16/12 Singing man, good signal. Usual dead air spaces and background chatter	SR	THU
5637kHz 1355z	20/12 Singing man. Poor, weak signal. Long dead air spaces between number groupings.	SR	MON
5637kHz 1354z	21/12 Poor to weak, noisy signal, singing man. SR TUE		
1420z	21/12 At 1420z signal came up to a steady S-5, clear and strong from barely audible . Still singing man, with usual dead air spaces and a lot of background noises today. YM and YL talking, dog barking, YM talked to singing man several times causing him to stop reading.	SR	TUE
5637kHz 1400z	22/12 Nice clear good signal.Singing man, dead air spaces and background talking and noises.	SR, SL	WED
5688kHz 1421z	09/12 Fair signal, YL reading,usual background hum.	SR	THU

V21 Analysis

[By maleAnon]

WDX4CWC Orlando, Florida USA reported various "babbler" transmissions during the month of November. These were present on two frequencies 5688kHz and 5637kHz. The two frequencies used different formats for the transmissions with 5688kHz being used for strings of numbers and 5637 counting only. Some counting was heard on 5688kHz but was followed by strings of numbers.

The 5688kHz transmissions are of a format that ends with a time string (apparently local time) The 12:44 to 1254z transmission strings end with 07XX so the location of the transmissions is likely Z - 5 hours (presumably Cuba) The time stamp at the end of the string is sometimes abbreviated to just the minute. It seems maybe possible that the numbers are coordinates of moving targets.

Also the people transmitting the numbers (coordinates) sometimes pause as in the first example below 200 273 is heard but the pause after the 200 seems to imply that the person is unsure of the number to read so pauses then gives the complete number. These pauses seem quite common so maybe this is some sort of training transmission.

The transmissions on 5637kHz are simply counting but the person counting often pauses on the same numbers each time they do not always count to the same number or pause at the same spot but there does seem to be some sort of pattern to these transmissions. One case the SS OM counting would get to 52 and immediately begin back at 1 again without pause.

Some examples of the transmissions are hopefully included in graphical form. In these images the numbers in bold and highlighted red are where the OM paused. If there is a gap in the numbers listed these were skipped or the OM started counting at a number other than 1. The last number in each line is the number counted to before he started at 1 again.

V21 5688kHz 1244z 1/11 SS OM reading number strings.

In progress at 48 counting to 61
Start at 1 counting to 31
Start at 1 counting to 71
0
1861 846 199 73 40 0751
1861 846 199 73 40 0751
00 2861 848 293 72 10 0751
1862 818 1048 293 72 10 0751
1863 148 319 72 40 0751
1863 148 31972 40 0751
1861 846 173 52
1862 848 299 52
1863 848 288 52
1861 846 177 52
1862 848 200 Pause 273 52
1863 148 153 52
1861 848 435 53
1862 848 436 74 53
1863 14839 72 40 53
1861 818
1861 848 493 53
1862 848 483 53
1862 848 149 54
1861 848 423 07 0754
1862 848 479 53 0754
1863 1863 148 459 079 13 0754
End of Transmission

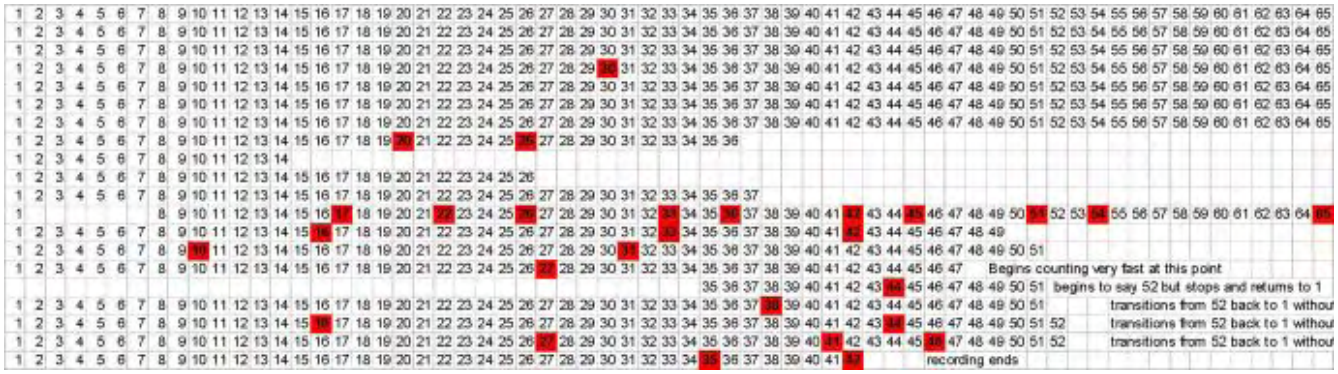
V21 5688kHz 1240z 10/11 SS YL reading number strings.

starts in progress counting to 20
Start at 1 counting to 9
Start at 1 counting to 11

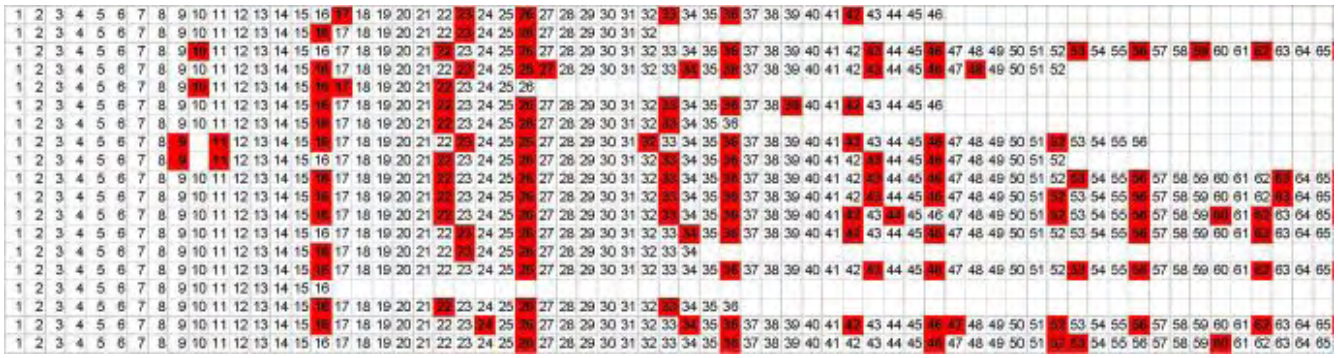
00 0261 980 211 11 00 27 48
0261 980 211 11 00 27 48
00 0262 908 211 11 00 27 48
0262 908 217 11 00 27 49
00 0263 908 418 11 00 27 49
00 ??86 908 418 11 00 27 49
00 0264 988 217 11 00 27 50
00 0264 988 217 11 00 27 50
0265 0265 98 988 214 11 00 27 50
0265 988 214 11 00 27 51
0265 988 228 51
00 0269 987 285 11 00 27 52
0269 987 285 11 00 27 52
0261 0261 970 58
00 0268 964 364 11 00 27 59
00 0268 964 364 11 00 27 52
Unreadable
00 0260 908 447 11 00 27 53
00 0280 908 447 11 00 27 54
00 0281 988 285 11 00 07 54
0281 978 285 11 00 07 53
0262 0264 0264
Count to 9
00 0275 988 263 11 00 07 56
0275 69
0280 280 424 57
0263
Becomes very difficult to copy at this point.

Our correspondent noted he'd, “Included images for the Babbler transmissions to make them more understandable," noting that within V21"are two types of transmission which are distinctly different [and using different frequencies].

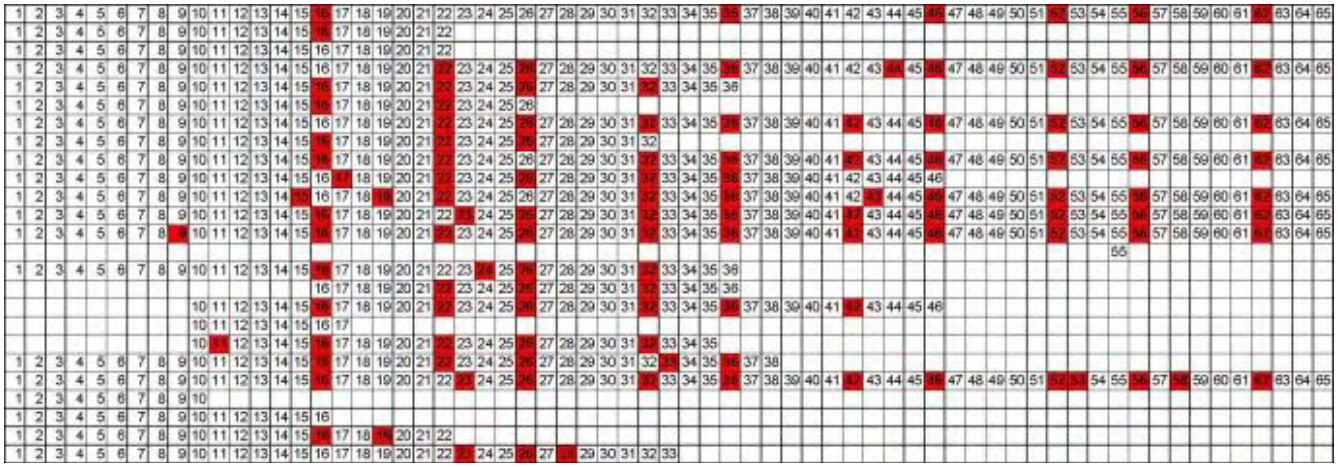
The following images make the V21 Babbler transmissions more understandable:



Babbler 18 Nov 5637kHz 1406-1435z



Babbler 19 Nov 5637kHz 1410-1432z



Babbler 5637kHz 23 Nov 1358-1431z

[Tnx Male Anon]

V24 [IA]

November 2010

6330kHz 1200z	14/11 - Fair QSB3	Hans	SUN
6730kHz 1430z	16/11 - Fair. QRM3(whistler).	Hans	TUE
6730kHz 1300z	27/11 - Fair signal, weak audio. QSB3, ended 1308z.	Hans	SAT

December 2010

6215kHz 1605z	29/12 YL AM Korean ? QSA 2 QSB 3 ends 1608z	GN	WED

V26

November 2010:

9054kHz 0936z	16/11 - In progress, very weak.	Hans	TUE
9153kHz 0958z	04/11 USB V26 CCYL. Chinese, mostly 3-fig groups. Weak. Poor readability.	dj	THU
9153kHz 1010z	10/11 YL with MSG caught in progress, ends1025z	DanAr	WED

December 2010:

9153kHz 1000z	15/12 USB V26 CCYL. Ch Mandarin, mostly 3-fig groups. Very weak. Poor readability.	dj	WED
9153kHz 0742z	30/12 YL with msg in progress, ending to 0745z	DanAr	THU

XM

5147kHz1730z30/11	Sounded like slow speech in tones, moving upward in freq. wider bandwidth than usual, not measured yet but up to 3000Hz	GN	TUE

Also heard in December on 7849kHz by Hans.

POLYTONES

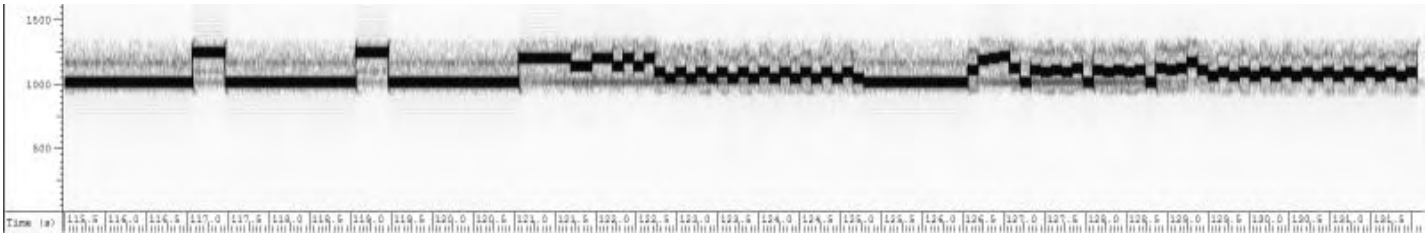
UNID

H-FD writes [December 2020] Since October I'm observing a new (at least for me) XPA sked:

October	Thu 1930/1950/2010z	5892/5092/4992kHz
November	Thu 2030/2050/2110z	5336/4636kHz
December	Thu 2030/2050/2110z	4440/4640/5240kHz (Note the changing frequency direction)

Concerning the reversal of the frequency change, this is strange. PLdn in 17 yrs of Polytone monitoring has never intercepted a transmision below 39nn kHz [as he remembers].

On Tuesday 28/12 signals were detected but were out of tune by +1kHz. The resultant trace from the 2110z 5239kHz shewed the polytone to be XPA2 as can be seen in the image below.



Typically of XPA2 the lead in is inverted and the repeat chracter tonal value falls below that of that for zero. The message in this case was:
05671 00001 00000 10140 with a duration of 2m12s [13/14s faster than XPA as there is no ID/no of msg included].

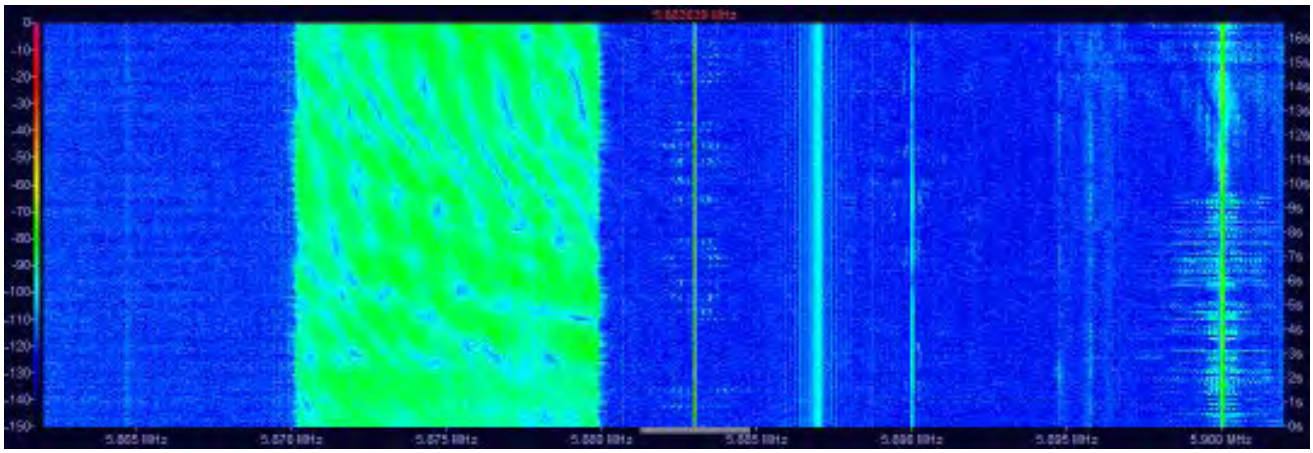
XPA2

These two were heard by RNGB as he intercepted S06s on 5810kHz, leading him to intercept one repeat on 6835kHz.

	SerNo/GC/DK/LG			
6835kHz 0820z	21/12[02820 00071 08283 12546]		RNGB	TUE
5810kHz 0800z	21/12[02820 00071 08283 12546]		RNGB	TUE
4439kHz2030z	30/12[03663 00001 00000 10140] Very strong	(2m10s)	PLdn	THU
4639kHz2050z	30/12[03663 00001 00000 10140] Very strong	(2m10s)	PLdn	THU
5239kHz2110z	30/12[03663 00001 00000 10140] Very strong	(2m10s)	PLdn	THU

XJT

The current ENIGMA Control list states, 'The Jet appears to use blocks of 10 freqs from 2 -9 MHz. Sig is about 3k wide and uncannily TXs on freqs known to be used by other number stations but is not considered to be a deliberate jamming of, although a nuisance....."



XJT signal between 5870 and 5880kHz 0710z 28/12. Centre of screen is V02a 5883kHz, extreme right BC Stn on 5900kHz

It has been noticed that XJT seems to have an affinity towards certain number stations [Fam IB and E07 in particular] this year anyway.
That affinity is noted below, data taken from two log providers.

Stn	**Freq**	**Time z**	**Dates noticed 2010**	**Total**
E06	5783	0130	16/01;	1
				[1]
E07	5867	0800	09/02;	1
	6767	0820	18/02; 25/02; 02/11; 09/11; 16/11; 30/11	6
	6778	2020	06/12;	1
	9068	1820	17/03;	1
	10126	1740	28/07;	1
	10188	1740	02/05;12/05;	2
	12141	1720	07/07;	1
	13412	1920	05/05; 17/05; 19/05; 24/05; 26/05; 31/05; 07/07; 12/07; 14/07; 19/07; 21/07; 26/07; 28/07;	13
	13458	1920	11/08;	1
	14624	1920	02/06;	1
	15824	1900	02/06;	1
				[29]
E07a	4564	2140	20/01; 17/02; 20/10; 08/12;	3
	5846	0550	18/03; 06/10;	2
	7473	2020	01/09;	1
				[6]
XPA	4567	1400	16/11;	1
	5758	2040	02/04; 06/04; 09/04; 13/04; 16/04; 20/04; 23/04; 27/04; 30/04;	9
	8147	0700	24/12;	1
	8157	0400	02/08; 08/08; 10/08; 27/08;	4
	9101	2000	20/04;	1
	11547	1400	02/05;	1
				[17]

Stn	OBSERVATIONS OF XJT vs NUMBER STATION																												
E06																													
E07																													
E07a																													
XPA																													
COUNT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

XSL

4153kHz 1300z	08/12USB S0, just barely out of the noise	Zac	WED
6250kHz 1300z	08/12USB S4 or S5, good signal when not covered by a stronger digital signal	Zac	WED
6417kHz 1300z	08/12USB S2, weaker on this freq	Zac	WED
6445kHz 1300z	08/12USB S7 here, strongest frequency	Zac	WED
8313kHz 1300z	08/12USB Only S1 or so on this freq, in and out of noise	Zac	WED

Before we go onto PoSW's offering:

An interesting email exchange:

From a long term member who must on this occasion remain 'MaleAnon':

I don't know if you still have the contacts or not, but if you can get to view the Crime museum at NSY, was called the Black museum before you will see something interesting!

In tabular form the count indicates E07 as a prime 'target' for XJT, followed by XPA. E07a has 20.6% exposures to XJT than E07 with XPA over half at 58.6%

The count was taken across a monitoring period between 0130 to 2140z across a range of dates 01/01/2010 to 28/12/2010. This found 21'XJT active' freqs with a range of 4564 to 15824kHz. [Note that the XPA 2000/2020/2040z and its winter alternative is now obsolete].

Do you remember the Czech agent caught in London in 1988 receiving numbers station Morse messages - Erwin van Haarlem?

Well I was in a position to be invited to view the museum a few months ago and in the top left corner, as you enter the room, is a display of some artifacts from the case. The really interesting one is the what I took to be the court exhibit of the 'numbers' message he received, together with an explanation of what the different numbers mean i.e. Agents ID, one time pad page number etc. I don't know who did the explanation, but I would guess maybe GCHQ.

Anyhow if you can get to visit you will see what I saw.....

And the reply:

Walk through the door, turning left, note cases on right; severed hands facing along with Victorian sexual aids on facing wall.

Look left, you see a cabinet sparsely furnished featuring some equipment and hollowed out batteries, a short note showing seven 5f grps and a short explanation of the code groups, plus the fact it was received in serial mode by Professor Hugh Hambledon.

Turn left and there's interesting examples of IRA technology.

The spy case you referred to has no exhibits in Room101[Black Museum]; Haarlem simply used a Roberts Radio to simply receive his Morse off air in his kitchen. He was arrested, refused to give his pars and only on his return to Czechoslovakia was it discovered he was a Colonel VáclavJelínek in the Czech intel service StB.

Hambledon however was a self-serving Canadian who was arrested here on a request from the RCMP and who served part of his 10 year sentence before being 'repatriated' to serve the remainder of his tariff in Canada. As far as GB was concerned he was a minor spy which is probably why the display is available in Room 101, aka The Black Museum.

Did you get on the 5th floor for the nosh and a quick survey of the pics of all the past Chief Constables?

For the benefit of the readers; the severed hands were that of a criminal whose details were wanted in the United Kingdom after he had decamped to Germany. After his being discovered dead in Germany British Police made a request for his fingerprints.
German humour being what it was they didn't 'dead wipe' the deceased finger prints, instead severing both arms below the elbows and sending via a courier for the dabs to be done here.
How do I know? Well, you'll never know, will you?

Items of Interest in the Media:-

Tyrant confirmed as being six feet under:- back in the summertime, and how long ago that seems as I look out at the snow piled up outside, there was some speculation in the press that the grave of Romanian dictator Nicolae Ceausescu might actually contain the mortal remains of someone else. However, modern science has proved that the West's favourite communist leader - because he had fallen out with Moscow and, as the saying goes, "My enemy's enemy is my friend" - is where he should be. "Ceausescu remains confirmed by DNA" is the headline over a short piece in the *Metro* of 4-November and says, "The grave of Nicolae Ceausescu does contain the remains of the dictator, DNA tests have revealed. The results clear up doubts the ruler was really buried in Ghencea military cemetery in Bucharest, said his son, Valentin. Ceausescu was ousted and executed aged 71 in 1989 during an anti-communist revolt and was buried 20m from his wife, Elena, 73. Their bodies were exhumed at the request of his family to put an end to public doubts. Valentin Ceausescu, a 62 year old nuclear physicist, plans to bury his parents at the same cemetery but in adjacent plots."

Carlos the Jackal;- new revelations. The *Daily Mail* of 30-October carried an article by Allan Hall in Berlin on the links between The Jackal and the former DDR. Headlined, “The Stasi's pet Jackal - How the East German secret police pampered terrorist Carlos and even gave him guns and staff of 75” and says, “Shredded Stasi files have been pieced together to reveal how global terrorist Carlos the Jackal was supplied with weapons and given sanctuary by the East German secret police.

While the West was hunting the man responsible for atrocities all over the world, the Communist regime in Berlin was busy handing him the means to carry out more.

But not only did the Stasi offer him sanctuary and supplies, it ensured the killer was feted and and indulged like a dignitary from the Soviet Kremlin.

While it has long been known that he used the former Communist East German state as a refuge, paperwork obtained by the German news magazine Focus reveals just how extensive the support for him was.

Carlos – born Illich Ramirez Sanchez and responsible for at least 60 deaths in global terror outrages - was given a staff of 75 to plot further deaths and provided with guns, explosives and an archive of forged papers. He was also provided with a network of safe houses and accomplices who included nursing sisters, lecturers, actors, union officials and at least one physician.

The Stasi even repaired his cars for him and sent staff to ensure that his telephones were secure at all times.

Carlos, his partner and sidekick, the West German terrorist Johannes Weinrich, were treated like visiting Politburo members from Moscow.

The paperwork, which has been reassembled by a computer programme, shows at least ten of his East German entourage were privy to the terror plans he formulated while in the country.

Carlos, a Venezuelan, loved his image as a renegade and an outlaw so much that it was recorded in the files how he liked to strut around the Alexanderplatz - one of the main squares in the east of the divided city - with an automatic weapon in a holster strapped to his leg.

The relationship with the Stasi was so close that his handlers knew the times and places of planned attacks and this was information shared with the KGB in Moscow, the files reveal. East German officials embraced Carlos because they viewed him as an enemy of capitalism who would do their dirty work for them..

It was the same kind of patronage the regime showed towards the terrorists of the Bader – Meinhoff gang and the Red Army Faction, members of both groups being given succour and shelter in the GDR.

A few days before the end of November 1981, Soviet leader Leonid Breznhev planned a visit to the then West German capital Bonn. 'Please ensure no actions from Carlos during this visit,' requested the KGB. Carlos was warned off even though he was in fact planning an attack in the West.

He was born to a Leninist father, who gave him Lenin's second name Illich. He became a supporter of the Palestinian cause in the early 1970s. He was blamed for a failed attempt to assassinate Josef Sieff, the Jewish head of Marks and Spencer, in London in 1973 and also took part in two rocket-propelled grenade attacks on El Al aircraft at Orly Airport in Paris in 1975.

Later that year he fled to Beirut, where he helped plan the attack on the headquarters of OPEC in Vienna. Three hostages died in the outrage.

It was in the late '70s that he developed links with the Stasi. In the early 1980s he was said to have been behind a string of atrocities in France.

Tracked down to Sudan in 1994, he was convicted of murder in France in 1997 and is now serving a life sentence.

Bizarre private life of deceased MI6 man:- revelations of the off-duty life of MI6 employee Gareth Williams appeared in the *Metro* of 23-December. “Bondage spy's £15,000 set of women's clothes” is the headline over an article by Hayden Smith, and says;- The MI6 spy found dead in a locked sports holdall at his London flat had a £15,000 collection of designer clothing, detectives revealed yesterday.

Codebreaker Gareth Williams may have died at the hands of a mystery bondage sex partner he met on London's gay scene, they also suggested, as it was confirmed he had visited several fetish websites in the months before his death on August 23.

The 'intensely private' 31-year-old collected designer tops, dresses and shoes, and also visited a drag cabaret club four days before he died.

Items by Stella McCartney, Christopher Kane and Louboutin had been bought at London boutiques and online. The clothing was in various sizes, all small, and a number of women's wigs were also found.

Mr Williams' decomposing body was found in a padlocked holdall in the bath of his £400,000 Pimlico flat but the keys were inside. There was no sign of injury except bruising to his elbows.

Forensic tests have shown that others had been in his flat just before his death. But they have not been traced,

Detective Chief Inspector Jackie Seibre said: 'We remain completely open minded about how he died. We are appealing to someone who is out there to come forward and tell us more.'

No evidence of drugs, alcohol or poisons was found during a battery of tests conducted by toxicologists.

Mr Williams probably died in the early hours of August 16, one week before he was found.

Police have released e-fits of a casually dressed Mediterranean couple who said they were visiting Mr Williams' Alderney Street home in late June or July.

And the other spy-related story which has been running in the British media for some time continues to rumble on, that of the Liberal Democrat Member of Parliament with the glamorous Russian research assistant. The *Daily Telegraph* of 7-December carried a piece by Steven Swinford and Gordon Rayner which says, “A Russian woman accused of spying while working as a parliamentary researcher has told the *Telegraph* that there was 'no truth' in the allegations.

Ekaterina Zatuliveter said 'nobody explained the reason' for her arrest and she intended to fight the decision to deport her.

Miss Zatuliveter, 25, was held last week after a six-month MI5 investigation into her activities as a researcher for Mike Hancock, a Liberal Democrat backbencher.

She was served with a deportation order on the grounds of national security following concerns that she had access to confidential documents because of Mr Hancock's position on the defence select committee.

Mr Hancock insisted his former employee was entirely innocent, and said he was arranging 'proper legal representation' to help her fight her case.

Despite being held in an immigration remand centre, Miss Zatuliveter was able to answer questions by email.

She said she was arrested at 7 am on Thursday by UK Border Agency officers, but 'nobody explained to me the reason of the deportation'.

Asked whether she had been working as a spy, she replied: 'No, there is no truth in this suggestion.' She added that she was 'absolutely sure' she would win an appeal against deportation.

MI5 began its investigation that Miss Zatuliveter, whose father is a well-connected businessman, might have targeted the Portsmouth South MP because of his access to defence secrets and his close association with the Royal Navy, which has a large base in his constituency.

She was also suspected of using her position after questions were tabled from Mr Hancock's office asking for an inventory of Britain's nuclear arsenal and the location of its international submarine bases.

Mr Hancock, 64, insisted that he was 'not naïve' about the potential for spies to target Members of Parliament and said the Russian, known as Katia, would be meeting lawyers today. He said: 'Katia came with references and was the best person for the job.....she was security checked and it took about two months for her House of Commons pass to come through.

He added: 'There could be Russian spies in Parliament but I don't know of any. You'd have to ask MI5 for details.

Miss Zatuliveter, who held a valid working visa, has a right to appeal against deportation.

Last night her father Andrei accused the Government of mud-slinging, pointing out that if his daughter is deported she will not be tried on spying charges.....But some of Mr Hancock's colleagues in Parliament had already raised concerns. Chris Bryant, Labour's former Europe minister, said: 'I couldn't understand why an MP from the South West had a Russian researcher. She was only really interested in doing Russia stuff. She seemed slightly odd.'

He said of Mr Hancock: 'The combination of being on the delegation to the Western European Union, the Council of Europe, his membership of the Commons defence select committee and his position as a Portsmouth MP: you can see how he was attractive.'

Colleagues on the European Council also raised the alarm. Matyas Eorsi, a Hungarian MP who used to be leader of the council's liberal group, said he had tried to warn the Lib Dems about Mr Hancock's pro-Moscow position and the fact that he was 'always surrounded' by Russians.

'He was by far the most pro-Russian. It was an embarrassment for the liberals and for the British delegation,' he said. 'He was effectively part of the Russian delegation when speaking or voting.'
Mr Eorsi said Miss Zatuliveter had a password for the council's computer system, where sensitive documents can be stored.
Mr Hancock has denied giving any of his assistants access to the computer system and there is no suggestion he gave Miss Zatuliveter a Password.
A Council of Europe official said personal passwords were given to designated users and were not to be passed on. He said he could not 'confirm or deny' reports that the council had received complaints over alleged conflicts of interest."

Latest news from the Department of Not Enough to Worry About, which operates under the direction of the National Guesswork Authority, comes from the *Sunday Express* of 28-November and has the headline, "Falklands at risk of invasion" and says, "The Falklands could be retaken by a 'handful' of Argentines, senior military sources have warned.
Although garrisoned by 500 British soldiers and a few Typhoon aircraft, it would just take the capturing of the only airfield in the capital Port Stanley to place the islands under Argentine control.
The warning comes after the week the last Harrier jump jets took off from the aircraft carrier Ark Royal. Both will be scrapped as part of the Strategic Defence Review.
Without an aircraft carrier, the nearest base from which to launch jets is 4,000 miles in Ascension.
Last night Admiral Chris Parry said: 'If we had the carrier, Argentina would not even consider trying. It's still not too late for the Government to reverse this mistake.' "

Technology:- there's a lot of it about! From the "Technews" column of the *Metro* newspaper of 11-November, "Missile SMS Alerts - Israel's defence forces are reportedly launching a text message service to alert citizens of an incoming missile attack. The system allows for the messages to be sent to mobile phones, television and radio stations and even billboards. The service, developed by Israel-based company eVigilio in conjunction with Ericsson, is expected to be rolled out in June next year."

Would you pay over a quarter of a million quid for a pop-gun? Well someone did. The *Metro* of 26-November showed a photograph of a long-barrelled hand gun and its plush lined case with the caption, "This Walther air pistol - held by Sean Connery in the poster for the 1963 film From Russia With Love sold for £277,250 - more than ten times its estimated price - at a Christie's auction in London yesterday".

Thanks Peter, excellent stuff

Other News Items:

Gibraltar's CommCen closed down
http://www.panorama.gi/

Britain has closed down its military communications centre at Gibraltar, wih such responsibilities having been transferred to Faslane in Scotland.

The last signal from 'CommCen Gibraltar' was on Friday; it said: "I am closing down on all circuits."

For over 130 years, Gibraltar has been a pivotal link in British military communications maintaning a constant watch - "from submarine telegraph, through wireless and radio, to computer-controlled automated digital systems," said a British military spokesman.

Gibraltar has had a permanent physical communications link to the UK since 1870.

"During its heyday, up to 150 tri-service communications personnel were assigned to CommCen Gibraltar," said a statement from the Command British Forces at Gibraltar.

Technological advances, automation and organisational changes throughout the 1980s and 1990s saw a gradual drawdown of personnel. Further automation this year has now led to the final closure of the military communications centre at Gibraltar.

http://www.panorama.gi/

Police told to send text messages because it is too expensive to speak on their radios
By Martin Delgado
Last updated at 3:27 PM on 20th November 2010
http://www.mailonsunday.co.uk/news/article-1329538/Police-told-send-text-messages-expensive-speak-radios.html

Police officers are being ordered to send texts rather than speak on their radios because of the sums charged by the firm that owns the police communications network.

While chief constables face unprecedented cutbacks, the company that operates the system on which all the emergency services communicate has seen a massive rise in profits. Last year Airwave Solutions' profit margin outstripped even that of mobile-phone giant Vodafone.

Airwave's pre-tax profit was £170 million, a 26 per cent increase on the previous 12 months. It represents an eye-watering return of 45 per cent on the company's £380 million turnover.

The company's charges are said to be putting a severe strain on police budgets. Officers in one rural force have been told that a penalty charge of up to £2 a second is imposed as soon as the number of calls they make goes over a pre-arranged limit.

According to Dorset Police Federation chairman Clive Chamberlain, the punitive levy has led to a series of cost-cutting measures.
'Airwave is a very expensive system which was forced upon the police service by the Government,' he said.

'It was imperative to have a secure communications system. But it has come at a very high price. The advice we're being given from the top is to send texts as much as possible because it's going to cost a lot less money.

'There have been a series of briefings at which a senior officer has said it costs Dorset £2 a second whenever we go over the limit. We are being told that texting more has the potential to save tens of thousands of pounds because it costs only 4p to send 1,000 texts.'

Dorset Police declined to confirm or deny the £2-a-second figure. A spokesman said: 'The monthly charges include a fixed price for provision of the service, including a set volume of traffic, together with a variable charge that applies if the force exceeds its set monthly traffic volume.'

Airwave refused to discuss the details of its charging structure but claimed the £2-a-second calculation was ‘misleading and inaccurate’. However, a spokesman said: ‘We do charge a usage tariff, but only for excess usage over agreed contracted levels.’

No national figures are collated for the cost of Airwave to the police service as a whole, according to the Home Office. But The Mail on Sunday has discovered that Dorset’s bill last year was £612,000, Greater Manchester’s £699,000 and North Wales’s £619,000.

The country’s biggest force, the Metropolitan Police, and a number of others said they could not reveal how much they paid because the information was commercially sensitive.

Now, in an attempt to reduce the spiralling cost, officers from forces all over Britain are being trained how to text because it is cheaper.

It means police out on patrol or responding to an incident are under orders to keep in touch with their colleagues in the control room not by talking to them but by pressing buttons.

Last night former police commanders condemned the move and said it could compromise the safety of front-line officers and the public. The network is used by every police force, fire brigade and ambulance trust in the country.

Police officers have been given a set of 16 numerical codes that correspond to buttons on their handset. By inputting the correct combination of digits, they can report their location and whether they are issuing a warrant, making an arrest, on a meal break or returning to base. The information is automatically fed into the control room computer.

In an emergency, they can summon help in the normal way. But if they are involved in a routine procedure, they have been told to use the messaging facility instead.

An investigation by The Mail on Sunday found that forces across Britain have sent their staff on texting training courses. They include North Wales, Nottinghamshire, Cheshire, North Yorkshire, Kent, Hertfordshire, Durham, Hampshire, Norfolk, Dorset and Dyfed-Powys.

But critics say ‘status messaging’, as it is known, is a time-wasting procedure that will distract officers and make them less alert to potential danger.

Former Scotland Yard Flying Squad commander John O’Connor said: ‘It is going to impact on their safety and operational efficiency. How can they be sure their text is going to be picked up so colleagues know their location? If you are talking to a colleague, they know exactly where you are and what you’re doing.

‘This is another layer of red tape which is being imposed in order to save an unquantifiable amount of money. Chief constables should stand up and say they are not going to accept it.’

Former Metropolitan Police Deputy Assistant Commissioner Brian Paddick said: ‘If officers are trying to push buttons they won’t be looking to see what is going on around them and to that extent it’s risky.

‘When they were introducing the system, it took a large chunk of the Met’s budget and there were all sorts of problems. At the beginning it didn’t even work inside buildings and we had to put in extra transmitters which involved a lot of extra cost.

‘I don’t remember being given a choice by the Home Office. We were told, “This is the system you are getting.”’

Most police forces have contracts with Airwave based on expected usage. But if officers make more calls than allowed for in the agreement, a higher tariff is applied.

Police sources say the unpredictable nature of their work means some forces can easily exceed their limit, involving them in huge extra expense.

One officer said: ‘The force’s financial controller will make a usage prediction. But then there’s a big incident and we’re radioing in all the time. That’s when the problems start.’

Charges are calculated in different ways around the country and contracts are supposed to reflect local needs. But Greater Manchester said Airwave measured radio usage during the busiest hour of every day during a 90-day period. It then worked out an average figure and billed the force accordingly.

Airwave Solutions is owned by Australian investment bank Macquarie, which bought it from mobile phone firm O2 three years ago.

The infrastructure roll-out began in 2000 after Airwave’s original owner BT won a £2.5 billion Government contract to provide a secure digital radio service for the emergency services to replace the old analogue network.

'This is going to impact on safety and efficiency'

Critics claimed the deal had been done without the contract being put out to tender. Among those who questioned the way it had been handled was Energy and Climate Change Secretary Chris Huhne – then an MEP.

He tabled a question in the European Parliament in 2004, asking Brussels officials to check whether the British Government had obeyed the rules when awarding the contract.

When BT was split up, responsibility for Airwave passed to O2, which was by then a separate company.

Former Metropolitan Police Commissioner Lord Blair of Boughton faced embarrassing questions after he attended an England rugby match at Twickenham as a guest of O2 while he was still running the force four years ago. Lord Blair, who was in a private VIP box, was criticised by MPs for accepting hospitality from a company with direct commercial links to the Met.

Tony Blair’s former foreign policy chief Sir Stephen Wall is paid £40,000 a year as a non-executive director of Airwave Solutions, and is also on the advisory panel of one of Macquarie’s European investment funds. In contrast to Airwave’s pre-tax profit margin of just under 45 per cent last year, mighty Vodafone was several points behind at 32.6 per cent.

A financial analyst said: ‘Airwave is an exceptionally profitable company by any standards.’
Police radio

Lucrative: The company that operates the system use by emergency services has seen a massive rise in profits

A spokesman for Nottinghamshire Police, one of the forces sending officers on texting courses, said: ‘We are doing a series of briefings for officers around the use of status messaging as opposed to talk time. It frees up air time for ongoing incidents and reduces costs.’

A Home Office spokesman said: ‘We give police forces a budget. It is up to them how they spend it.’

A spokesman for Airwave Solutions said: ‘Not all police forces are realising the full benefits of the Airwave service. Officers and control-room staff often use only the basic radio functions. By using it to the full extent, they can enjoy a raft of additional efficiency benefits.’

The company’s UK services director, David Sangster, denied that charges were too high. He said: ‘As you would expect in any Government contract, there are in-built checks and balances, such as regular audits.’

The chief executive of Airwave Solutions, which owns the police radio network, is Richard Bobbett, a rugby enthusiast who lives with his wife Deborah and their two children in a £700,000 house in the Chilterns in Buckinghamshire.

Mr Bobbett, 47, joined Airwave in 2001 and was appointed chief executive in 2006.

He claims to have rolled out the emergency services’ communications network nationwide ‘ahead of schedule and on budget’.

But many police officers say the network did not work properly at first and that problems persist in coverage and reliability.

Despite the complaints, Airwave recently won another important Government contract.

It is being paid £39 million to build a dedicated network for Olympic officials at the 2012 London Games.

Mr Bobbett’s main hobby is playing rugby for his local club, Amersham & Chiltern.
Richard Bobbett's home

High-tariff lifestyle: Airwave Solutions chief executive Richard Bobbett's luxury Buckinhamshire home

In response to this article, David Sangster, UK Services Director, Airwave Solutions writes:

You were misleading to suggest that using police radios can cost £2 a second. Charges include a variable charge if the force exceeds its set monthly traffic volume. But Dorset Police stated that, annually, each transmission costs less than 1.5 (one and a half) pence.

Our system also offers status messaging which enables police to update their control rooms at the push of a single button. It is efficient and popular with officers.

http://www.mailonsunday.co.uk/news/article-1329538/Police-told-send-text-messages-expensive-speak-radios.html

No hiding place from new U.S. Army rifles that use radio-controlled smart bullets
By Daily Mail Reporter
Last updated at 8:25 AM on 30th November 2010
http://www.dailymail.co.uk/sciencetech/article-1334114/New-US-Army-rifles-use-radio-controlled-smart-bullets-used-Afghanistan.html

* Weapon hailed as a game-changer that can fire up and over barriers and down into trenches
* Soldiers will start using them in Afghanistan later this month

The U.S. army is to begin using a futuristic rifle that fires radio-controlled 'smart' bullets in Afghanistan for the first time, it has emerged.

The XM25 rifle uses bullets that be programmed to explode when they have travelled a set distance, allowing enemies to be targeted no matter where they are hiding.

The rifle also has a range of 2,300 feet making it possible to hit target which are well out of the reach of conventional rifles.

The XM25 is being developed specially for the U.S. army and will be deployed with troops from later this month, it was revealed today.
The XM25 Counter Defilade Target Engagement System has a range of roughly 2,300 feet

The rifle's gunsight uses a laser rangefinder to determine the exact distance to the obstruction, after which the soldier can add or subtract up to 3 metres from that distance to enable the bullets to clear the barrier and explode above or beside the target.

Soldiers will be able to use them to target snipers hidden in trenches rather than calling in air strikes.

The 25-millimetre round contains a chip that receives a radio signal from the gunsight as to the precise distance to the target.

Lt. Col. Christopher Lehner, project manager for the system, described the weapon as a ‘game-changer’ that other nations will try and copy.

He expects the Army to buy 12,500 of the XM25 rifles this year, enough for every member of the infantry and special forces.

Lehner told FoxNews: ‘With this weapon system, we take away cover from [enemy targets] forever.

‘Tactics are going to have to be rewritten. The only thing we can see [enemies] being able to do is run away.’

The XM25 appears perfect weapon for street-to-street fighting that troops in Afghanistan have to engage in, with enemy fighters hiding behind walls and only breaking cover to fire ocasionally.

The weapon's laser finder would work out how far away the enemy was and then the U.S. soldier would add one metre using a button near the trigger. When fired, the explosive round would carry exactly one metre past the wall and explode with the force of a hand grenade above the Taliban fighter.

The army's project manager for new weapons, Douglas Tamilio, said: "This is the first leap-ahead technology for troops that we've been able to develop and deploy.'

A patent granted to the bullet's maker, Alliant Techsystems, reveals that the chip can calculate how far it has travelled.

Mr Tamilio said: 'You could shoot a Javelin missile, and it would cost £43,000. These rounds will end up costing £15.50 apiece. They're relatively cheap.

Lehner added: 'This is a game-changer. The enemy has learned to get cover, for hundreds if not thousands of years.

'Well, they can't do that anymore. We're taking that cover from them and there's only two outcomes: We're going to get you behind that cover or force you to flee.'

The rifle will initially use high-explosive rounds, but its makers say that it might later use versions with smaller explosive charges that aim to stun rather than kill.

http://www.dailymail.co.uk/sciencetech/article-1334114/New-US-Army-rifles-use-radio-controlled-smart-bullets-used-Afghanistan.html

Enigma personnel say ----- "Run round corner and hide in doorway!"

Would-be terrorists left stranded in British snow storms
December 24, 2010

Up to two dozen Al-Qaeda operatives could be stranded at European airports, as intense snow-storms continue to wreak havoc with international flights.

"This is awful. Our boys were meant to be inspiring fear and terror in the British" said Adnan Gulshair el Khaled, head of Al-Qaeda operations.

The snow and ice storms have seen thousands of holiday-makers lose bookings and searching for alternative transport out of the United Kingdom.

"Unfortunately, due to the haphazard nature of current flight schedules, any coordinated attack is out of the question."

One would-be Jihadist that The Pigeon spoke to was distraught. "We planned for this trip for so long. For instance, I shaved to avoid raising the suspicions of airport security. That's normally a pretty big no-no, but I figured we were doing it for a good cause. Plus, on the flight over, I got seated next to a fat guy and his bulk spilled over into my seat. It was so awkward. This will be the last flight I ever take with British Airways, but not in the good way."

There was further bad news for the hijackers after Mastercard advised some that their travel insurance would not cover their cancelled flights because their visit was not strictly for pleasure.

Shukrijumah said that while the operation would have to be deferred, there would be some positives for his operatives. "They were expecting to bath in the glory of a righteous death in the name of Allah. Instead they're stuck listening to Cliff Richards holiday jingles on repeat. If that doesn't make them want to bring about the downfall of the West, then nothing will."

This was sent to E2k from NZ; hopefully a hoax. However "..... Our boys were meant to be inspiring fear and terror in the British" must be well sad to those who expected to be Shahid ------- National Rail, Bus Transport, Local Councils and the British Airports Authority all got there first and in a way that not only drew fear in the British Heart but also anger at those within who couldn't bring any joined up thinking to sort the matter out. 'Downfall of the West?' Wouldn't waste your time trying to start it - it's well underway and from within!

The Covert Loop [From NL03], an appreciation.

I received this email from JS who writes, "Constructed loop from your instructions. Used a surplus poly tuning cap pulled from an old scrap radio circuit board in my junk box. Running loop to a Kenwood R1000. Have loop bluetacked to patio window, facing roughly North / South. Results are favourable, it's mounted at ground level (not upstairs). Interesting, as I can increase / decrease signal level by sliding patio door (moving on a west / east axis).

I bought an active antenna a month ago, which cost me 80 quid and is next to useless. This loop, costs a tenner and is far superior. Still experimenting."
Before I had replied JS then wrote, "Performance is impressive. Would advise anyone to construct it. Glad I built one, chucked my MFJ active antenna back in it's box and will probably flog it on eBay !

One thing I would advise when building it is, after pulling back required length of ribbon cable, secure with insulation tape to prevent further peeling back when installing / taking down."

Many thanks JS. I found that I could influence reception by mounting on a door by opening and shutting it.

Spy Radio and the encryption methods used by the MfS
(Ministerium für Staatssicherheit of the former German Democratic Republic, "Stasi")
Detlev Vreisleben
Part 3

Finally, some remarks on the technology.

Illustration 12 SW receiver for agents, with low spurious radiation

Commercial SW receivers made by Sony, Grundig etc. were used. There was also a special receiver with low spurious radiation (illustration 12) for areas in which commercial receivers were not available.

Illustration 13 Old SW transmitter with burst encoder (scanning of a punched tape)

Illustration 14 SW transmitter SE 25 with burst encoder (playing a pre-recorded audio tape)

The first transmitters (illustration 13) were equipped with vacuum tubes, beyond them the SE 25 (cover name „Ems/Elbe“, illustration 14) which resembles the SP15 of the BND amazingly (illustration 15). Later, the agents were given the transistor–based WSA-1 (Weitverkehrs-Sende-Anlage, long range transmitter) (illustration 16).

Illustration 15 SE 25 (HV A) on the left side of a SP 15 (BND), SE 25 (HV A) on the right

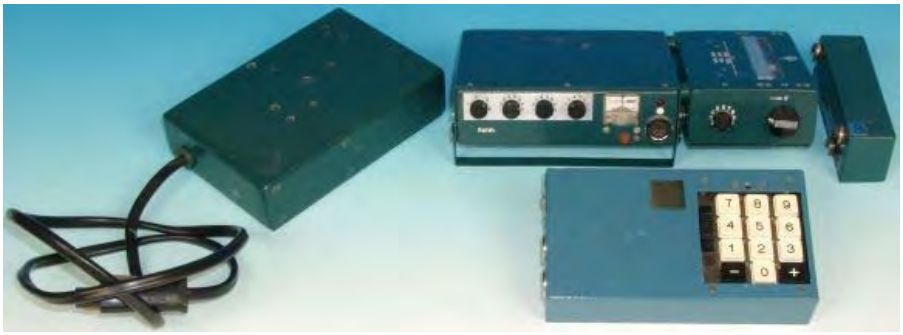


Illustration 16 WSA 1 with power supply unit, antenna matcher and electronic fast coding device

Illustration 17 WSA 6 compact version with burst encoder

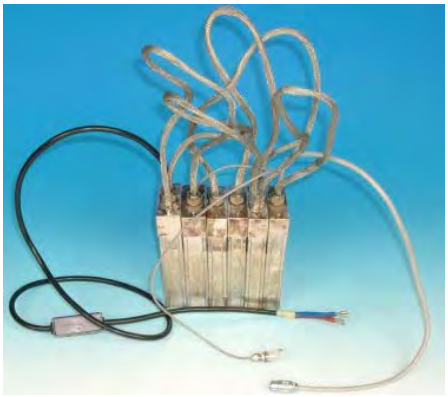


Illustration 18 WSA 6 module version for covert installation eg in a car

In 1988 the WSA 6 was completed but it probably did not come into use. This is a device for a frequency range of 4 to 18 MHz with 20 W transmission power which used for the first time no longer morse code but a 5-bit constant weight code. The transmission mode is FSK with +/- 300 Hz and 900 Bd. This means that with this Frequency Shift Keying mode (FSK) the transmission frequency is being shifted by + or – 300 Hz 900 times per second. Bd (Baud) is the unit for the transmission step speed; 1 bd is 1 step/second, hence 900 Bd 900 steps per second. This device existed in a compact version (illustration 17) and a module version (illustration 18), to install it covertly.

To minimize the risk of discovering the transmitters, burst encoders were used. Firstly an audio tape was punched with the information to be transmitted and then read mechanically; later an audio tape loop was used as well as electronic keyers or programmable calculators with a serial interface.

Dipole and rod antennas were used as well as an “umbrella antenna” as seen in **Illustration 19** [Left] installed in a hotel room and, in part in **Illustration 20** [Above] were provided for the use in hotel rooms and also a “ground antenna”.

There was another transmission mode described in the „OTM-Ordnung“. It is the „Horizont“ method which allows sending from a private car or a portable container in the UHF range over a distance of up to 150 km (depending on the ground profile) to the border of the GDR. The receivers were situated e.g. on the Brocken (a mountain in the Harz highlands on GDR area) (illustration 21).

Illustration 21 High-gain reception antenna for the „Horizont“ system on the Brocken mountain, Harz highland

.**Illustration 22** TSS-2 (transmitter) right, TSE-2 (receiver) left

In the late 1980s as the technology had aged over the years it was planned to replace it with a new system TSS-2/TSE-2 (illustration 22) with the following features: frequency hopping in the 440 to 465 MHz range, channel remain time 4.5 to 28 ms, 38.4 kBd DPSK. TSS stands for „Terrestrische Sendestelle“ (terrestrial transmitter station), TSE means Terrestrische Empfangsstelle (terrestrial receiver station). With differencial phase modulation DPSK the information is carried in the difference of subsequent steps: no phase difference = 1, phase difference = 0.

A sincere thanks to Detlev and Daniel for their hard work on producing this document and sharing it with ENIGMA 2000.

Translation: Daniel E2Kde, DetlevE2Kde

Picture credits:
01 – 07, 11 – 20: Detlev Vreisleben
08: Google Maps
09, 10, 21: Eberhard Jauch

Chart Section Index

Logging Abbreviations explained.

The ENIGMA 2000 Standard logging should take this form without any personalised abbreviations:

E07 10436kHz 1740z 07/06[414 1 563 102 92632 … 09526 0 0 0 0 0 0] 1753z Fair QRM2 QSB2 PLdn SUN

Station:	E07	[Traits of stations in ENIGMA Control List]
Freq:	kHz	[As above 10436kHz]
Time:	z	[Always 24hour clock, 'z' states GMT/UTC]
Date:	day/month [As above 7th June]	

Msg detail: Varies with station

ID taken from 100kHz fig in freqs:	414 [freqs used in this schedule were 13468, 12141 and 10436kHz]
Msg count	1
Dk [decode key]:	563
Gc [group count]:	102
First group of msg:	92632
Text between grps:	…
Last group:	09526 [where more than one group is stated the use of LG ahead group indicates 'Last Group.']
Ending:	0 0 0 0 0 0
Time msg ends:	1753z
Received signal strength assessment:	Fair
Noise	QRM2
Fading to signal	QSB2

Monitor:	PLdn	
Day heard:	SUN	
Unknown:	unk	
Repeat:	R	[which can be expanded to mean]:
Repeated :	R5m [repeated 5 mins]; R5s[repeated 5seconds], R5x [Repeated 5 times]	

Received signal strength assessment.

Some receivers possess 'S' meters that give a derived indication of signal strength caused by changes within that receiver. Calibration may, or may not be accurate and the scale, may or may not, be the same as that on other receivers. Some receivers have no meter yet produce acceptable results.

Therefore we prefer the quality of the signal to be assessed by the particular monitor.

Guidance for this can be sought from the Q code:

QSA What is the strength of my signals (or those of...)?
The strength of your signals (or those of...) is...
1) scarcely perceptible.
2) weak.
3) fairly good.
4) good.
5) very good.
[QSA1 S0 to S1; QSA2 S1 to S3; QSA3 S3 to S6; QSA4 S6 to S9; QSA4 S9 and above]

Sooner than put a numerical value we state: Very Weak, Weak, Fair, Strong or Very Strong.

Noise, Static and Fading.

Again guidance from the Q code:

Noise:

QRM Are you being interfered with?
I am being interfered with
1) nil
2) slightly
3) moderately
4) severely
5) extremely.

Note: in the sample the monitor has stated QRM2 which means 'slight noise'; had the interference been from a broadcast station you might have read 'BC QRM2' and so on.

Static [Lightning and other atmospheric disturbance]:

QRN Are you troubled by static?
I am troubled by static
1) nil
2) slightly
3) moderately
4) severely
5) extremely.

Fading [Propagational disturbance]

QSB Are my signals fading?
Your signals are fading
1) nil
2) slightly
3) moderately
4) severely
5) extremely.

Note: in the sample the monitor has stated QSB2 which means 'slight fading' where the received signal obviously fades but the message is still intelligible.

The use of QRM1, QRN1 and QSB1 is not expected; if there is no such aberration to the signal it need not be stated.

Day Abbreviation

Self explanatory: SUN, MON, TUE, WED, THU, FRI, SAT

Mode used in transmission

Generally the mode of transmission is not stated, being available in the ENIGMA Control List. Should the expected mode change then this can be stated as: CW [Carrier Wave] MCW[Modulated Carrier Wave] ICW [Interrupted Carrier Wave] generally associated with Morse transmission; AM [Amplitude Modulation], LSB [Lower Sideband], USB[Upper Sideband] generally associated with Voice transmission.

Languages used

The ident of a station generally states the language in use, E [English], G[German] S [Slavic], V[All other languages].

Non voice stations

M [Morse and TTY] SK [Digital modes] X [Other modes]

Ideally we would like to see logs offered in our standard format allowing the editorial staff to process the results quickly rather than having to manually re-format. Anyone submitting logs should refrain from using their own abbreviations or shortening our abbreviations eg. Su Mo Tu etc.

See a correct example below which is now self explanatory:

V02a 5883kHz 0700z 06/06[A63752 57781 31521] Fair QRN2 end uk PLdn SAT

And the incorrect version:

V2a 5883k 07:00 06/06/2009 A/63752- 57781- 31521 S3 PLdn SA

Additional Info:

Own station idents should not be used.

When an unidentifiable station is submitted please supply the obvious details:

Freq, Time start and end, Date, Message content, particularly preamble and message content and ending. Language details are helpful, particularly any strange pronunciations.

Other details about stations can be found in the ENIGMA Control List available from Group files or sent when you joined.

European Number Systems

English	**zero**	**one**	**two**	**three**	**four**	**five**	**six**	**seven**	**eight**	**nine**
Bulgarian	nul	edín	dva	tri	chétiri	pet	shest	sédem	ósem	dévet
French	zero	un	deux	trois	quatre	cinq	six	sept	huit	neuf
German^	null	eins	zwei	drei	vier	fùnf	sechs	sieben	acht	neun
Spanish	cero	uno	dos	tres	cuatro	cinco	seis	siete	ocho	nueve
Czech	nula	jeden	dva	tr^i	chtyr^i	pêt	shest	sedm	osm	devêt
Polish	zero	jeden	dwa	trzy	cztery	pie,c'	szes'c'	siedem	osiem	dziewie,c'
Romanian	zero	unu	doi	trei	patru	cinci	s,ase	s,apte	opt	nouâ
Slovak*	nula	jeden	dva	tri	shtyri	pät'	shest'	sedem	osem	devät'
* *West*	nula	jeden	dva	try	shtyry	pet	shest	sedem	ossem	devat
* *East*	nula	jeden	dva	tri	shtyri	pejc	shesc	shedzem	osem	dzevec
Serbo-Croat	nula	jèdan	dvâ	trî	chètiri	pêt	shêst	sëdam	ösam	dëve:t
Slovene	nula	ena	dva	tri	shtiri	pet	shest	sedem	osem	devet
Russian	null	odín	dva	tri	chety're	pyat'	shest'	sem'	vósem'	dévyat'

^ Some German numerals have a radio accent. The numbers in question are:

2 ZWEI pronounced by some TXs, as TSWO .

5 FUNF some pronounce it as FUNUF poss hrd as a fast TUNIS

9 NEUN pronounced by some as NEUGEN.

This is totally in keeping with some German armed forces stations and corresponds to our WUN, FOWER, FIFE, NINER

Arabic Numerals [E25 and V08]

English	zero	one	two	three	four	five	six	seven	eight	nine
	0	1	2	3	4	5	6	7	8	9
Arabic	sifr	wahid	itnien	talata	arba	khamsa	sitta	saba	tamanya	tissa
	٠	١	٢	٣	٤	٥	٦	٧	٨	٩

Numeral systems used on selected Slavic Stations [*Stations apparently discontinued*]

	S11a Cherta	***S10d***	*S11 Presta*	***S17c***
0	nul	Nula*	zero	Nula*
1	adinka	Jeden^	yezinka	Jeden^
2	dvoyka	dva	dvonta	dva
3	troyka	tri ‘	troika	tri ‘
4	chetyorka	shytri	chidiri	shytri
5	petyorka	pyet	peyonta	pyet
6	shest	shest	shes	shest
7	syem	sedoom	sedm	sedoom
8	vosyem	Osoom~	osem	Osoom~
9	dyevyet	devyet	prunka	devyet

Notes: * Nula heard as nul

^ Jeden heard as yedinar
‘ Tri heard as ‘she’
~ Osoom often heard as bosoom or vosoom.

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...
					x	x	0130/0230		E06	01A	5783/ 4489 759	5845/ 4820 759
	x		x				0440/0500/0520		M12	01B	4443/ 5043/ 5843 408	5872/ 6772/ 7672 876
x							0445 (0450)		E11	03	5082 416/00	5082 416/00
	x						0500		E11	03	4638 576/00, search	4638 576/00
x		x					0500/0520/0540		M12	01B	4638/ 5738/ 678, search	5291/ 6891/ 284, search
	x		x				0510/0530/0550		M12	01B	5888/ 6952/ 7707 897	6964/ 7882/ 9324 983
		x					0530/0540		S06S	01A	9435,11075 153	9435,11075 153
			x				0530/0550/0610		E07A	01B	5146/ 5846/ 6846 188	5146/ 5846/ 6846 188
		x					0540		E11	03	5344 270/00, search	5344 270/00
				x			0600/0610		S06S	01A	5460/ 934, search	5460/ 934, search
x							0600/0620/0640		M12	01B	4768/ 5868/ 783, search	5479/ 6879/ 480, search
			x				0600/0700		E06	01A	search	search
	x		x				0605		E11	03	5082 517/00	5082 517/00
x							0610		E11	03	4505 262/00, search	4505 262/00
						x	0700		M01	14	5465 197	5465 197
				x			0700/0710		S06S	01A	7150/ 8215 169	7150/ 8215 169
	x						0700/0710(15)		S06S	01A	5250/ 6320 374	5250/ 6320 374
				x			0700/0720/0740		M12	01B	9138/10538/12138 138	9338/10638/12138 238
	x			x			0700/0720/0740		XPA	01B	9356/10956/12156	10327/11627/13427
		x	x				0710/0730/0750		M12	01B	5436/ 6806/ 7669 691	5436/ 6806/ 7669 691
			x		x		0725		E11	03	4441 248/00, search	4441 248/00
x			x				0730		E11	03	7377 649/00	7377 649/00
	x			x			0730		S11A	03	7840 426/00	7840 426/00
x			x				0755		E11	03	5358 438/00	5358 438/00
			x				0800		E17Z	01A	11170, 9820 674	11170, 9820 674
x							0800		G06	01A	5363 215	5363 215
	x						0800/0810		S06S	01A	10265/ 9135 352	10265/ 9135 352
	x	x					0800/0810		S06S	01A	5810/ 7440 418	5810/ 7440 418
	x		x				0800/0820/0840		E07	01B	5416/ 5816/ 6916 489, search	5867/ 6767/ 7367 873
x		x					0800/0820/0840		M12	01B	14736/13536/12136 751	17427/15827/14527 485
		x					0820/0830		S06S	01A	6880/ 7840 471	6880/ 7840 471
		x					0830/0840		S06S	01A	7335/11830 745	7335/11830 745

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...
			x				0840/0850		S06S	01A	9260/11415 328	9260/11415 328
x		x					0850		E11	03	8423 534/00	8423 534/00
			x				0900/0910		S06S	01A	12952/13565 167	12952/13565 167
	x	x	x				0910		M03	03	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)
x						x	0915		E11	03	4441 127/00	4441 127/00
	x			x			0915		S11A	03	7504 484/00	7504 484/00
				x			0930/0940		S06S	01A	11780/12570 516 9445/10195 search	11780/12570 516 9445/10195 search
x			x				0935		G11	03	6397 275/00, search	6397 275/00
	x				x		0955		M03	03	5358 786/00, search	5358 786/00
		x					1000/1010		S06S	01A	12365/14280 729	12365/14280 729
			x				1000/1010		S06S	01A	8535/10480 895	8535/10480 895
					x		1000/1010		S06S	01A	6440/ 5660 893	6440/ 5660 893
		x			x		1020		S11A	03	6433 221/00	6433 221/00
	x					x	1025		E11	03	349/00, search	349/00, search
	x	x					1045		E11	03	8091 469/00	8091 469/00
	x	x	x				1115		M03	03	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)
		x					1200/1210		S06S	01A	7030/ 6305 481	7030/ 6305 481
			x				1200/1210		S06S	01A	10580/9950 425	10580/9950 425
	x				x		1205		G11	03	6433 270/00	6433 270/00
	x						1230/1240		S06S	01A	5810/ 6770 278	5810/ 6770 278
		x					1230/1240		S06S	01A	4580/ 6420 967	4580/ 6420 967
			x				1230/1240		S06S	01A	7865/ 5310 314	7865/ 5310 314
x							1300/1310		S06S	01A	8420/10635 831	8420/10635 831
x	x	x	x		x		1300/1330		S06S	01A	8130/ 5765 480	8130/ 5765 480
x			x				1300		S11A	03	475/00, search	475/00, search
				x	x		1325		G11	03	6433 299/00	6433 299/00
	x						1400/1420/1440		XPA	01B	5867/ 5467/ 4567	5767/ 5267/ 4467
		x			x		1445		E11	03	4441 267/00	4441 267/00
					x		1500		M01	14	5810 197	5810 197
	x						1500/1510		S06S	01A	5070/ 6337 537	5070/ 6337 537
					x		1600 (1605)		S06	01A	5787/ 6803 864	5787/ 6803 864

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...
x							1600/1610		S06S	01A	7436/ 6668 176	7436/ 6668 176
			x				1605		M01B	14	5938 159	5938 159
				x			1615		M01B	14	5810 158	5810 158
x							1700		G06	01A	3514 892	3514 892
	x						1700/1720/1740		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
			x				1730		E11	03	5082 416/00	5082 416/00
x							1800		G06	01A	4458 892	4458 892
	x		x				1800		M01	14	5320 197	5320 197
		x					1800 (1805)		S06	01A	3160/ 3540 471	3160/ 3540 471
		x				x	1800/1820/1840		E07	01B	6774/ 5836/ 4893 788	7697/ 6863/ 5938 689
x		x					1800/1820/1840		M12	01B	8047/ 6802/ 5788 463	8047/ 6802/ 5788 463
	x		x				1802		M45	14	3525, 4025 525	3525, 4025 525
	x						1820		M14	01A	4636 186	4636 186
			x				1830	2/4	G06	01A	4519 271	4519 271
	x		x				1842		S21	14	3323, 3823 323	3323, 3823 323
x			x				1900 (1905)		S06	01A	3192/ 3838 349	3192/ 3838 349
		x					1900/1910		S06S	01A	8530/ 7520 371	8530/ 7520 371
			x				1900/1920/1940		M12	01B	10343/ 9264/ 8116 124	10343/ 9264/ 8116 124
	x		x				1900/1920/1940		XPA	01B	7891/ 6791/ 5391	8123/ 7523/ 6823
				x			1910		E11	03	4114 262/00	4114 262/00
x							1910		M01B	14	2435, 3519 853	2435, 3519 853
		x					1920	2/4	M14	01A	4761 748	4761 748
				x			1930	2/4	G06	01A	4792 436	4792 436
					x		1930 (1935)		S06	01A	3192/ 3733 405	3192/ 3733 405
			x				1930/1950/2010		M12	01B	4439/ 4639 463, search	5816/ 5216 825, search
			x				1932		M01B	14	2466, 3545 910	2466, 3545 910
	x		x				2000		M01	14	4490 197	4490 197
x		x					2000/2020/2040		E07	01A	6982/ 5882/ 5182 988	7724/ 6924/ 5824 798
x			x				2000/2020/2040		M12	01B	9176/ 7931/ 6904 257	9176/ 7931/ 6904 257
				x	x		2000/2100	1/3	M14	01A	3825/ 4470 724	4830/ 4471 724
				x			2002		M01B	14	2655, 3197 866	2655, 3197 866
x							2015		M01B	14	2427, 3205 375	2427, 3205 375

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...
			x				2030		E06	01A	4836 321	4836 321
					x		2030 (2035)	1/3	G06	01A	5824 364	5824 364
			x				2042		M01B	14	2485, 3160 382	2485, 3160 382
		x					2100/2120/2140		E07A	01A	5864/ 5164/ 4564 815	5864/ 5164/ 4564 815
			x				2100/2200	4	E06	01A	5085/ 4035 773, search	4475/ 5135 903
				x			2110		M01B	14	2405, 3180 610	2405, 3180 610
			x				2110/2130/2150		E07	01B	6777/ 5449/ 4483 774	6777/ 5449/ 4483 774
x							2115/2215	2/4	S06	01A	6920/ 5180 121	6965/ 5320 684
				x			2130		E06	01A	4760 472	4760 472
		x					2200/2220/2240		M12	01B	5361/ 4471/ 340, search	5429/ 4629/ 460

M12 Log1 Nov 2010 **Brian - S.E. England**

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 1	0500	5169	0520	5869	0540	- - -	189	0 0 0	
	05**30**	4617	05**50**	5317	06**10**	- - -	638	0 0 0	
	0600	6795**	0620	7995**	0640	- - -	792	0 0 0	
	1900	9176	1920	7931	1940	6904	257	3021	68
	2000	9176	2020	7931	2040	6904	257	9745	77
Tue 2	04**40**	5872	05**23***	6772	06**06***	7672	876	219 /	289 /
	M12a						876	283	243
	05**10**	6964	05**30**	7882	05**50**	- - -	983	0 0 0	
	2200	5938	2220	4938	2240	4038	238	812	175
Wed 3	0500	5169	0520	5869	0540	- - -	189	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	2891	53
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	159	95
	2200	5429	2220	4629	2240	- - -	460	0 0 0	
Thu 4	04**40**	5872	05**19***	6772	05**59***	7672	876	212 /	189 /
	M12a						876	219	289
	05**10**	6964	05**30**	7882	05**50**	- - -	983	0 0 0	
	1400	14893	1420	13593	1440	12193	851	356	89
	1800	9176	1820	7931	1840	6904	257	2016	76
	1900	10343	1920	9264	1940	8116	124	1474	65
Fri 5	0700	9338	0720	10638	0740	12138	238	812	175
	1400	14893	1420	13593	1440	12193	851	356	89
Sat 6	Not	Monit	-ored						
Sun 7	18**30**	9118	18**50**	7918	19**10**	7418	194	159	95

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 8	0500	5169	0520	5869	0540	6969	189	892	141
	05**30**	4617	05**50**	5317	06**10**	- - -	638	0 0 0	
	0600	6795**	0620	7995**	0640	- - -	792	0 0 0	
	1300	13542	1320	12142	1340	- - -	515	0 0 0	
	1900	9176	1920	7931^	1940	6904^	257	2069	63
	2000	9176^	2020	7931^	2040	6904^	257	4429	42
Tue 9	04**40**	5872	05**17***	6772	05**54***	7672	876	6726 /	259 /
	M12a						876	212	189
	05**10**	6964	05**30**	7882	05**50**	- - -	983	0 0 0	
	2200	5938	2220	4938	2240	- - -	238	0 0 0	
Wed 10	0500	5169	0520	5869	0540	6969	189	892	141
	1800	8047^	1820	6802	1840	5788	463	3868	44
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	101	85
	2200	5429	2220	4629	2240	- - -	460	0 0 0	
Thu 11	04**40**	5872	05**00**	6772	05**20**	7672	876	6726	259
	05**10**	6964	05**30**	7882	05**50**	- - -	983	0 0 0	
	07**30**	5884	07**50**	6884	08**10**	- - -	888	0 0 0	
	1400	14893	1420	13593	1440	- - -	851	0 0 0	
	1800	9176^	1820	7931^	1840	6904^	257	5914	72
	1900	10343	1920	9264^	1940	8116^	124	185	100
Fri 12	0700	9338	0720	10638	0740	- - -	238	0 0 0	
	1400	14893	1420	13593	1440	- - -	851	0 0 0	
Sat 13	1300	13542	1320	12142	1340	- - -	515	0 0 0	
Sun 14	18**30**	9118	18**50**	7918	19**10**	7418	194	101	85

Thanks to Jan for finding the ID 515 sched Mon 1300z

Highlighted cell indicates new or changed loggings
--- Indicates no 3rd transmission sent as message 0 0 0
^ Weak reception NH Not Heard NF Not Found

*** Time of transmissions offset due to length of message**
**** ID 792 Msgs transmitted in MCW**

M12 Log1 Nov 2010 **Brian - S.E. England**

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 15	0500	5169	0520	5869	0540	- - -	189	0 0 0	
	05**30**	4617	05**50**	5317	06**10**	- - -	638	0 0 0	
	0600	6795**	0620	7995**	0640	- - -	792	0 0 0	
	1300	13542	1320	12142	1340	- - -	515	0 0 0	
	1300	9187	1320	8057	1340	7697	106	416	195
	1900	9176^	1920	7931^	1940	6904^	257	???	??`
	2000	9176^	2020	7931^	2040	6904	257	3481	59
Tue 16	04**40**	5872	05**20**	6772	05**40**	7672	876	494	149
	05**10**	6964	05**30**	7882	055**0**	- - -	983	0 0 0	
	1300	14573	1320	13473	1340	- - -	541	0 0 0	
	2200	5938	2220	4938	2240	4038	238	8365	167
Wed 17	0500	5169	0520	5869	0540	- - -	189	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	9291	55
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	621	119
	2200	5429	2220	4629	2240	- - -	460	0 0 0	
Thu 18	04**40**	5872	05**00**	6772	05**20**	7672	876	494	149
	05**10**	6964	05**30**	7882	055**0**	- - -	983	0 0 0	
	07**30**	5884	07**50**	6884	08**10**	- - -	888	0 0 0	
	1400	14893	1420	13593	1440	- - -	851	0 0 0	
	1800	9176	1820	7931	1840	6904	257	4378	44
	1900	10343	1920	9264	1940	8116^	124	151	67
Fri 19	0700	9338	0720	10638	0740	12138	238	8365	167
	1400	14893	1420	13593	1440	- - -	851	0 0 0	
Sat 20	1300	13542	1320	12142	1340	- - -	515	0 0 0	
Sun 21	1300	14573	1320	13473	1340	- - -	541	0 0 0	
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	621	119

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Mon 22	0500	5169	0520	5869	0540	6969	189	346	137
	05**30**	4617	05**50**	5317	06**10**	- - -	638	0 0 0	
	0600	6795**	0620	7995**	0640	- - -	792	0 0 0	
	1300	13542	1320	12142	1340	- - -	515	0 0 0	
	1300	9187	1320	8057	1340	- - -	106	0 0 0	
	1900	9176	1920	7931^	1940	6904	257	290	94
	2000	9176^	2020	7931^	2040	6904	257	151	67
Tue 23	04**40**	5872	05**00**	6772	05**20**	7672	876	351	155
	05**10**	6964	05**30**	7882	055**0**	- - -	983	0 0 0	
	1300	14573	1320	13473	1340	12173	541	539	145
Wed 24	0500	5169	0520	5869	0540	6969	189	346	137
	1500	8112	1520		1540	- - -	106	0 0 0	
	1800	8047^	1820	6802	1840	5788	463	9151	72
	18**30**	9118^	18**50**	7918^	19**10**	7418	194	844	93
	2200	5429	2220	4629	2240	- - -	460	0 0 0	
Thu 25	04**40**	5872	05**00**	6772	05**20**	7672	876	351	155
	05**10**	6964	05**30**	7882	055**0**	- - -	983	0 0 0	
	07**30**	5884	07**50**	6884	08**10**	- - -	888	0 0 0	
	1400	14893	1420	13593	1440	12193	851	762	37
	1800	9176^	1820	7931^	1840	6904^	257	7676	69
Fri 26	0700	9338	0720	10638	0740	- - -	238	0 0 0	
Sat 27	Not	Monit	-ored						
Sun 28	18**30**	9118	18**50**	7918	19**10**	7418	194	744	93

Highlighted cell indicates new or changed loggings

--- Indicates no 3rd transmission sent as message 0 0 0

^ Weak reception NH Not Heard NF Not Found

Thanks to Jan for finding the ID 515 & 106 scheds Mon 1300z
& to Peter for finding the ID 541 Tue 1300z sched
& to Fritz for finding the ID 106 Wed 1500z sched Well done Guys !!

** **ID 792 Msgs transmitted in MCW**

M12 Log1 Dec 2010 **Brian - S.E. England**

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 1	0500	4638	0520	5738	0540	- - -	678	0 0 0	
	08**30**		08**50**	6806	0910	- - -	938	0 0 0	
	11**20**	5436	11**30***	6806	11**40***	7669	938	4340 /	31 /
	M12a						938	1303 /	17 /
	3 Msg						938	5810	23
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	961	157
	2200	5312	2220	4512	2240	- - -	350	0 0 0	
Thu 2	04**40**	4443	05**00**	5043	05**20**	5843	408	431	157
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	07**30**	5284	07**50**	5784	08**10**	- - -	277	0 0 0	
	1800	9176^	1820	7931^	1840	6904^	257	2867	77
Fri 3	0700	8060	0720	9060	0740	10160	360	741	123
Sat 4	None	Found							
Sun 5	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	961	157
Mon 6	0500	4638	0520	5738	0540	- - -	678	0 0 0	
	0600	4508**	0620	5808**	0640	6808**	588	438	80
	1300		1320	8193	1340	7463	214	497	249
	1900	9176^	1920	7931^	1940	6904	257	3494	69
	2000	9176^	2020	7931^	2040	6904	257	8873	88
Tue 7	04**40**	4443	05**00**	5043	05**20**	5843	408	743	237
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	2200	5860	2220	4960	2240	4060	360	596	79

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 8	0500	4638	0520	5738	0540	- - -	678	0 0 0	
	1500	7509	1520	6909	1540	5709	214	497	249
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	209	107
	2200	5312	2220	4512	2240	- - -	350	0 0 0	
Thu 9	04**40**	4443	05**00**	5043	05**20**	5843	408	606	195
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	07**30**	5284	07**50**	5784	08**10**	6784	277	538	103
	1800	9176^	1820	7931^	1840	6904	257	6104	86
	2000	9176^	2020	7931^	2040	6904	257	5287	59
Fri 10	0700	8060	0720	9060	0740	10160	360	596	79
Sat 11	None	Found							
Sun 12	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	209	107
Mon 13	0500	4638	0520	5738	0540	6838	678	848	137
	0600	4508**	0620	5808**	0640	- - -	588	0 0 0	
	1300	9223	1320	8193	1340	7463	214	692	143
	1900	9176^	1920	7931^	1940	6904^	257	???	??
	2000	9176^	2020	7931^	2040	6904	257	3345	88
Tue 14	04**40**	4443	05**00**	5043	05**20**	5843	408	921 /	175 /
	M12a						408	606	195
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	2200	5860	2220	4960	2240	4060	360	337	145

Highlighted cell indicates new or changed loggings

--- Indicates no 3rd transmission sent as message 0 0 0

^ Weak reception NH Not Heard NF Not Found

Thanks to Richard for finding the irregular ID 938 3-Msg transmission
And also for finding the ID 214 1500z Wed

*** Time of transmissions only 10 mins apart**

**** ID 588 Msgs transmitted in MCW**

M12 Log2 Dec 2010 **Brian - S.E. England**

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 15	0500	4638	0520	5738	0540	6838	678	848	137
	1500	7509	1520	6909	1540	5709	214	692	143
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	371	67
	2200	5312	2220	4512	2240	4012	350	240	111
Thu 16	04**40**	4443	05**00**	5043	05**20**	5843	408	921	175
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	07**30**	5284	07**50**	5784	08**10**	- - -	277	0 0 0	
	1800	9176^	1820	7931^	1840	6904^	257	4974	96
	1900	10343^	1920	9264^	1940	8116^	124	2707	58
	2000	9176^	2020	7931^	2040	6904	257	370	64
Fri 17	0700	8060	0720	9060	0740	10160	360	337	145
Sat 18	None	Found							
Sun 19	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	371	67
Mon 20	0500	4638	0520	5738	0540	- - -	678	0 0 0	
	0600	4508**	0620	5808**	0640	- - -	588	0 0 0	
	1300		1320	8193	1340	7463	214	501	261
	1900	9176^	1920	7931^	1940	6904^	257	370	64
	2000	9176^	2020	7931^	2040	6904	257	8721	70
Tue 21	04**40**	4443	05**00**	5043	05**20**	5843	408	315	187
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	2200	5860	2220	4960	2240	4060	360	215	115

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Wed 22	0500	4638	0520	5738	0540	- - -	678	0 0 0	
	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	18?	??
	2200	5312	2220	4512	2240	- - -	350	0 0 0	
Thu 23	04**40**	4443	05**00**	5043	05**20**	- - -	408	0 0 0	
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	07**30**	5284	07**50**	5784	08**10**	- - -	277	0 0 0	
	1800	9176^	1820	7931^	1840	6904	257	?44	76
	1900	10343^	1920	9264^	1940	8116^	124	???	??
	2000	9176^	2020	7931^	2040	6904^	257	???	??
Fri 24	0700	8060	0720	9060	0740	10160	360	215	115
Sat 25	None	Found							
Sun 26	18**30**	9118^	18**50**	7918^	19**10**	7418^	194	181	93
Mon 27	0500	4638	0520	5738	0540	6838	678	400	59
	0600	4508**	0620	5808**	0640	- - -	588	0 0 0	
	1300	9223	1320	8193	1340	7463	214	567	103
	1900	9176^	1920	7931^	1940	6904^	257	1115	67
	2000	9176^	2020	7931^	2040	6904	257	3311	77
Tue 28	04**40**	4443	05**00**	5043	05**20**	5843	408	475	227
	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	2200	5860	2220	4960	2240	4060	360	170	101

Highlighted cell indicates new or changed loggings

--- Indicates no 3rd transmission sent as message 0 0 0

^ Weak reception NH Not Heard NF Not Found

** **ID 588 Msgs transmitted in MCW**

M12 Log2 Nov 2010 (Residue)

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont…									
Mon 29	05**30**	4617	05**50**	5317	06**10**	- - -	638	0 0 0	
Nov	0600	6795**	0620	7995**	0640	- - -	792	0 0 0	
	1300	9187	1320	8057	1340	- - -	106	902	249
	1900	9176^	1920	7931^	1940	6904	257	3726	51
	2000	9176^	2020	7931^	2040	6904	257	7863	55
Tue 30	04**40**	5872	05**00**	6772	05**20**	7672	876	431	157
Nov	05**10**	6964	05**30**	7882	05**50**	- - -	983	0 0 0	
	2200	5938	2220	4938	2240	4038	238	741	123

M12 Log2 Dec 2010 (Residue) Brian - S.E. England

Day / Date	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	Time (UTC)	Freq (kHz)	ID	Decode Key	Grp No.
Cont…									
Wed 29	0500	4638	0520	5738	0540	6838	678	400	58
Dec	1500	7509	1520	6909	1540	5709	214	567	103
	2200	5312	2220	4512	2240	- - -	350	0 0 0	
Thu 30	04**40**	4443	05**00**	5043	05**20**	5843	408	475	227
Dec	05**10**	5888	05**30**	6952	05**50**	- - -	897	0 0 0	
	07**30**	5284	07**50**	5784	08**10**	- - -	277	0 0 0	
	1800	9176^	1820	7931^	1840	6904	257	7993	70
	1900	NH	1920	9264^	1940	NH	124	???	??
	2000	NH	2020	7931^	2040	6904^	257	9275	57
Fri 31	0700	8060	0720	9060	0740	10160	360	170	101
Dec									

Highlighted cell indicates new or changed loggings
--- Indicates no 3rd transmission sent as message 0 0 0
^ Weak reception NH Not Heard NF Not Found

*** Time of transmissions offset due to length of message**
**** ID 792 Msgs transmitted in MCW**

M12 Yearly Repeat Schedules 2009 - 2010 **Brian S.E. England**

Time UTC			Freq kHz			ID	M	T	W	T	F	S	S
Jan													
04**40**	05**00**	05**20**	4443	5043	5843	408		X		X			
0500	0520	0540	4638	5738	- - -	678	X		X				
05**10**	05**30**	05**50**	5888	6952	7707	897		X		X			
0700	0720	0740	9138	10538	12138	**138**					X		
0800	0820	0840	14736	13536	12136	751	X		X				
09**30**	09**50**	10**10**	13369	14669	15969	369							X
1400	1420	1440	13582	12082	10382	503				X	X		
1700	1720	1740	8047	6802	5788	463		X					
1800	1820	1840	8047	6802	5788	463	X						
18**30**	18**50**	19**10**	8192	7692	6792	167			X				X
2000	2020	2040	9176	7931	6904	257	X						
2200	2220	2240	5361	4461	- - -	340			X				
Feb													
04**40**	05**00**	05**20**	5872	6772	7672	876		X		X			
0500	0520	0540	5291	6891	- - -	284	X		X				
05**10**	05**30**	05**50**	6964	7882	9324	983		X		X			
0700	0720	0740	9338	10638	12138	**238**					X		
0800	0820	0840	17427	15827	14527	485	X		X				
1500	1520	1540	14893	13593	12193	851				X	X		
1700	1720	1740	8047	6802	5788	463		X					
1800	1820	1840	8047	6802	5788	463	X						
18**30**	18**50**	19**10**	10476	9276	8176	421			X				X
1930	1950	2010	5816	5216	- - -	825		X		X			
2000	2020	2040	9176	7931	6904	257	X						
2200	2220	2240	5429	4629	----	460			X				

Time UTC			Freq kHz			ID	M	T	W	T	F	S	S
Mar													
04**40**	05**00**	05**20**	5829	6929	8028	890		X		X			
0500	0520	0540	6784	7584	----	751	X		X				
05**10**	05**30**	05**50**	8158	9324	10403	134		X		X			
0600	0620	0640	6859	7959	9259	892	X						
0700	0720	0740	9338	10638	12138	**338**					X		X
1700	1720	1740	8047	6802	5788	463		X					
1700	1720	1740	14893	13593	12193	851				X	X		
1800	1820	1840	8047	6802	5788	463	X		X				
18**30**	18**50**	19**10**	10623	9323	8123	631			X				X
2000	2020	2040	9176	7931	6904	257	X						
2200	2220	2240		4938	4038	**338**		X					
2200	2220	2240	5763	5163	----	714			X				
Apr													
03**40**	04**00**	04**20**	5829	6929	8029	890		X		X			
0400	0420	0440	6972	8172	9372	913	X		X				
04**10**	04**30**	04**50**	8158	9324	---	134		X		X			
0500	0520	0540	6878	8078	9378	803	X						
0600	0620	0640	9317	10617	12217	417					X		
1600	1620	1640	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
1800	1820	1840	11435	10598	9327	938				X			
18**30**	18**50**	19**10**	11164	9964	9164	191			X				X
1900	1920	1940	9176	7931	6904	257	X						
1900	1920	1940	13582	12082	10382	503				X	X		
2100	2120	2140	6793	5893	----	785			X				
2100	2120	2140	7817	6817	5817	417		X					

M12 Yearly Repeat Schedules 2009 - 2010 **Brian S.E. England**

Time UTC			Freq kHz			ID	M	T	W	T	F	S	S
May													
03**40**	04**00**	04**20**	8173	9173	10173	111		X		X			
0400	0420	0440	7643	9143	- - -	619	X		X				
04**10**	04**30**	04**50**	9991	11013	12184	901		X		X			
0500	0520	0540	7611	9111	- - -	615	X						
0600	0620	0640	10814	12114	13414	**514**					X		
1600	1620	1640	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
1700	1720	1740	12137	10837	9937	189			X				X
1800	1820	1840	11435	10598	9327	938				X			
18**30**	18**50**	19**10**	10326	9226	- - -	320		X		X			
1900	1920	1940	9176	7931	6904	257	X						
1900	1920	1940	13582	12082	10382	503				X	X		
Jun													
03**40**	04**00**	04**20**	8173	9173	10173	111		X		X			
0400	0420	0440	8156	9256	10356	123	X		X				
04**10**	04**30**	04**50**	9991	11013	12184	901		X		X			
0500	0520	0540	7838	9238	10738	827	X						
0600	0620	0640	10814	12114	13414	**614**					X		
1600	1620	1640	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
1700	1720	1740	10742	10142	9242	712			X				X
1900	1920	1940	9176	7931	6904	257	X						
2100	2120	2140	9986	9086	- - -	903			X				
2100	2120	2140	13582	12082	10382	503				X	X		

Time UTC			Freq kHz			ID	M	T	W	T	F	S	S
July													
03**40**	04**00**	04**20**	8173	9173	10173	111		X		X			
0400	0420	0440	8156	9256	10356	123	X		X				
04**10**	04**30**	04**50**	9991	11013	12184	901		X		X			
0500	0520	0540	7627	9127	10327	**613**	X						
0600	0620	0640	10814	12114	13414	**714**					X		
1600	1620	1640	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
1700	1720	1740	12183	10983	9983	199			X				X
1900	1920	1940	9176	7931	6904	257	X						
2100	2120	2140	13582	12082	10382	503				X	X		
2100	2120	2140	9379	7979	- - -	398			X				
Aug													
03**40**	04**00**	04**20**	7584	8184	9184	511		X		X			
0400	0420	0440	7643	9143	- - -	619	X		X				
04**10**	04**30**	04**50**	8158	9324	10403	134		X		X			
0500	0520	0540	7562	9062	- - -	501	X						
0600	0620	0640	10857	12157	13457	857					X		
1600	1620	1640	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
1700	1720	1740	13514	12214	10414	524			X				X
1900	1920	1940	9176	7931	6904	257	X						
1900	1920	1940	14893	13593	12193	851					X		
2100	2120	2140	7857	6857	5157	857		X					
2100	2120	2140	8123	6923		198			X				

M12 Yearly Repeat Schedules 2009 - 2010 **Brian S.E. England**

Time UTC			Freq kHz			ID	M	T	W	T	F	S	S
Sep													
03**40**	04**00**	04**20**	5829	6929	8029	890		X		X			
0400	0420	0440	6784	7584	9184	751	X		X				
04**10**	04**30**	04**50**	8158	9324	10403	134		X		X			
0500	0520	0540	6843	7943	9143	891	X						
0600	0620	0640	9092	10592	12092	992					X		
1600	1620	1540	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
18**30**	18**50**	19**10**	12137	10837	9937	189			X				X
1900	1920	1940	9176	7931	6904	257	X						
1900	1920	1940	13582	12082	10382	503				X	X		
2100	2120	2140	6793	5893	- - -	785			X				
2100	2120	2140	7892	6892	5892	992		X					
Oct													
03**40**	04**00**	04**20**	5872	6772	7672	876		X		X			
0400	0420	0440	5291	6891	- - -	284	X		X				
04**10**	04**30**	04**50**	7368	9068	9991	309		X		X			
0500	0520	0540	5384	6784	7984	379	X						
0600	0620	0640	9138	10538	12138	138					X		
06**10**	06**30**	06**50**	5436	6806	7669	691*			X	X			
1500	1520	1540	14893	13593	12193	851				X	X		
1600	1620	1640	8047	6802	5788	463		X					
1700	1720	1740	8047	6802	5788	463	X		X				
18**30**	18**50**	19**10**	10476	9276	8176	421			X				X
1900	1920	1940	9176	7931	6904	257	X						
2100	2120	2140	5814	5214	- - -	826			X				

Time UTC			Freq kHz			ID	M	T	W	T	F	S	S
Nov													
04**40**	05**00**	05**20**	5872	6772	7672	876		X		X			
0500	0520	0540	5169	5869	- - -	189	X		X				
05**10**	05**30**	05**40**	6964	7882	9324	983		X		X			
05**30**	05**50**	06**10**	4617	5317	- - -	638	X						
0600	0620	0640	6795	7995	9295	792	X						
0700	0720	0740	9338	10638	12138	238					X		
07**30**	07**50**	08**10**	5884	6884		888				X			
1400	1420	1440	14893	13593	12193	851				X	X		
1800	1820	1840	8047	6802	5788	463			X				
18**30**	18**50**	19**10**	9118	7918	7418	194			X				X
2000	2020	2040	9176	7931	6904	257	X						
2200	2220	2240	5938	4938	4038	238		X					
2200	2220	2240	5429	4629	- - -	460			X				
Dec													
04**40**	05**00**	05**20**	4443	5043	5843	408		X		X			
0500	0520	0540	4638	5738	- - -	678	X		X				
05**10**	05**30**	05**50**	5888	6952	7707	897		X		X			
0600	0620	0640	4508	5808	- - -	588	X						
0700	0720	0740	8060	9060	10160	360		X			X		
07**30**	07**50**	08**10**	5284	5784	- - -	277				X			
1300	1320	1340	12217	11117	10417	214	X						
18**30**	19**50**	19**10**	9118	7918	7418	194			X				X
2000	2020	2040	9176	7931	6904	257	X						
2200	2220	2240	5312	4512	- - -	350			X				

* ID 691 ceased transmissions mid-month.

Family 1A History and January predictions - updated 6th January 2011

Station Day	time (utc)	2010 October	2010 November	2010 December	2010 January	ID Oct	ID Nov	ID Dec	ID Jan	week
G06 mon	08.00	6774	5463	5463	5463	215	215	215	215	every
G06 mon	17.00	4787	3514	3514		892	892	892	439	1 / 2
G06 mon	18.00	5412	4458	4458	4587	892	892	892	439	1 / 2
S06 mon	19.00/05	5785/5127	3192/3838	3192/3838	3192/3838	349	349	349	349	every
S06 mon	20.15	8165	xxxxx	xxxxx	xxxxx	397	xxx	xxx	xxx	2 & 4
S06 mon	21.15	6845	7750	6835	6920	397	218	632	121	2 & 4
S06 mon	22.15	xxxxx	5410	5185	5175	xxx	218	632	121	2 & 4
S06 tues	18.00	5890		3645		286				1 & 2
M14 tues	18.20	5947	4636	4636	4636	346	186	186	186	2 & 4
G06 wed	13.00		4026	4026	4039		892	892	439	1/2
S06 wed	18.00/05	5735/	3540/3160	3540/3160	3540/3160	471	471	471		every
M14 wed	19.20	5463	4761	4761	4761	537	748	748	748	2 & 4
E06 wed	19.20	4818	3670	3670	3670?	743	743	743		2
S06 wed	19.30/05	?				405	405	405	366	Sat R
S06 wed	20.00/05	5122/4042				864	864	864	134	Sat R
E06 wed	20.20					743	743	743		2
E06 thur	05.00		xxxxx	xxxxx	xxxxx	?	xxx	xxx	xxx	every
E06 thur	06.00		16MHz	13/14MHz		?	507	923	139	every
E06 thur	07.00	xxxxx	18200	15940	15810	xxx	507	923	139	every
G06 thur	18.30	5934	4519	4519	4519	579	271	271	271	2 & 4
S06 thur	19.00/05	5785/5127	3192/3838	3192/3838	3192/3838	349	349	349	349	every
E06 thur	20.30	5186	4836	4836	4836	891	321	321	321	1 & 3
M14 fri	19.00	5810	xxxxx	xxxxx	xxxxx	724	xxx	xxx	xxx	1 & 3
G06 fri	19.30	5442	4792	4792	4792	947	436	436	436	2 & 4
M14 fri	20.00	5240 ?	4830	3825	3825	724	724	724	724	1 & 3
M14 fri	21.00	xxxxx	4470	4470	4470	xxx	724	724	724	1 & 3
E06 fri	21.30	5197	4760	4760	4760	634	472	472	472	1 & 3
E06 sat	00.30	6797	xxxxx	xxxxx	xxxxx	759	xxx	xxx	xxx	every
E06 sat	01.30	5122	5837	5796	5783	759	759	759	759	every
E06 sat	02.30	xxxxx	4583	4516	4489	xxx	759	759	759	every
E06 sat	12.15			10423				O58		1st
E06 sat	13.15			8167				O58		1st
E06 sat	14.00		7377				818			4th
E06 sat	15.00		5380				818			4th
S06 sat	16.00/05	7833/6872	6803/5787	6803/5787	7728/ 6788	864	864	864	134	every
S06 sat	19.30/35	5428/4512	3192/3733	3192/3733	? / 3842	405	405	405	366	every
S06 sat	20.30				4859				703	1st
G06 sat	20.30/35	8023/	5824/4853	5830/4853		364	364	364		1 & 3
S06 sat	21.30				4024				703	1st
E06 sun	12.20		5806	5806		743	743	743		2

NH = Not heard

R = repeat if there is a message on Saturday

E07 Regular Schedules

Monday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1900				12108	14812	15824	14812	14378	12108	10243		
1920				10708	13412	14624	13412	13458	10708	9243		
1940				9208	11512	13524	11512	10958	9208	7943		
2000	6982	7724	9273								7724	7478
2020	5882	6924	7873								6924	6778
2040	5182	5824	6873								5824	5278

Tuesday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	6982		
0740				9241	9978	10127	10127	9241	8193	7582		
0800	5416	5867	6893								5867	5234
0820	5816	6767	7493								6767	5734
0840	*6916*	7367	8193								7367	6834

Wednesday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1700				12123	13388	13468	13468	13388	12223	11454		
1720				10703	12088	12141	11454	12088	11062	9423		
1740				8123	10118	10436	10126	10504	10116	8123		
1800	6774	7697	9923								8183	6982
1820	5836	6863	9068								6982	5836
1840	4893	5938	7697								5938	4938
1900				12108	14812	15824	14812	14378	12108	10243		
1920				10708	13412	14624	13412	13458	10708	9243		
1940				9208	11512	13524	11512	10958	9208	7943		
2000	6982	7724	9273								7724	7478
2020	5882	6924	7873								6924	6778
2040	5182	5824	6873								5824	5278
2000				8173	8173	8173	8173	8173	8173	5864		
2020				7473	7473	7473	7473	7473	7473	5164		
2040				5773	5773	5773	5773	5773	5773	4564		
2100	5864	5864	5864								5864	5864
2120	5164	5164	5164								5164	5164
2140	4564	4564	4564								4564	4564

Thursday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
0430				7437	7437	7437	7437	7437	7437	5146		
0450				8137	8137	8137	8137	8137	8137	5846		
0510				9137	9137	9137	9137	9137	9137	6846		
0530	5146	5146	5146								5146	5146
0550	5846	5846	5846								5846	5846
0610	6846	6846	6846								6846	6846
0700				6941	7978	8127	8127	6941	6893	5782		
0720				8041	9178	9327	9327	8041	7493	6982		
0740				9241	9978	10127	10127	9241	8193	7582		
0800	5416	5867	6893								5867	5234
0820	5816	6767	7493								6767	5734
0840	6916	7367	8193								7367	6834
2010				9387	11539	12213	11539	10753	9387	7516		
2030				7526	10547	10714	10547	9147	7526	5836		
2050				5884	9388	9347	9388	7637	5884	4497		
2110	6777	6777	7516								6777	6777
2130	5449	5449	5836								5449	5449
2150	4483	4483	4497								4483	4483

Sunday

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1700				12123	13388	13468	13468	13388	12223	11454		
1720				10703	12088	12141	11454	12088	11062	9423		
1740				8123	10118	10436	10126	10118	10116	8123		
1800	6774	7697	9923								8183	6982
1820	5836	6863	9068								6982	5836
1840	4893	5938	7697								5938	4938

The hundredths digit in each frequency trio gives the ID
i.e. 6**7**74 5**8**36 4**8**93 = 788

Revised 3rd November 2010

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...	Nov kHz, ID, ...	Dec kHz, ID, ...	General Remarks
x							0400		E11	03					since 02/10, last log 0810 summer sked (cf 0445/0450Z)
	x						0400		E11	03					since 02/10, last log 08/10 summer sked (cf 0500Z)
x							0445 (0450)		E11	03	**5082** 416/00	**5082** 416/00	**4441->5082** 416/00	**5082** 416/00	since 02/10, **last log 12/10** **freq change in 11/10**
	x						0500		E11	03	4638 576/00, search	4638 576/00	4638 576/00	4638 576/00	since 02/10, **last log 11/10**
		x					0540		E11	03	5344 270/00, search	5344 270/00	5344 270/00	5344 270/00	since 02/10, **last log 11/10**
	x		x				0605		E11	03	**5082** 517/00	**5082** 517/00	**4909->5082** 517/00	**5082** 517/00	since 07/09, **last log 11/10** **freq chance in 11/10**
x							0610		E11	03	4505 262/00, search	4505 262/00	4505 262/00	4505 262/00	since 02/10, **last log 11/10**
x			x				0630		E11	03					since 02/10, last log 08/10 summer sked (cf 0730Z)
			x		x		0725		E11	03	4441 248/00, search	4441 248/00	4441 248/00	4441 248/00	since 02/10, last log 10/10
x			x				0730		E11	03	7377 649/00	7377 649/00	7377 649/00	7377 649/00	since 01/10, **last log 11/10**
	x			x			0730		S11A	03	**7840** 426/00	**7840** 426/00	**7499->7840** 426/00	**7840** 426/00	since 02/10, **last log 11/10** **freq change in 11/10**
x			x				0755		E11	03	5358 438/00	5358 438/00	5358 438/00	5358 438/00	since 10/09, **last log 11/10**
	x	x					0825		E11	03					since 03/10, last log 10/10 **changed to 1045Z**
x		x					0850		E11	03	8423 534/00	8423 534/00	8423 534/00	8423 534/00	since 10/09, last log 10/10
	x			x			0855		S11A	03			6877 484/00		since 01/10, **last log 11/10** **changed to 0915Z**
	x	x	x				0910		M03	03	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)	since 10/09, last log 10/10 **changed to 1115Z**
x						x	0915		E11	03	4441 127/00	4441 127/00	4441 127/00	4441 127/00	since 01/10, last log 10/10
	x			x			0915		S11A	03	7504 484/00	7504 484/00	7504 484/00	7504 484/00	**from 0855Z, last log 12/10** **permanent or only Nov-Feb?**
x			x				0935		G11	03	6397 275/00, search	6397 275/00	6397 275/00	6397 275/00	since 01/10, **last log 11/10**
		x			x		0950		S11A	03					since 11/09, last log 10/10 **changed to 1020Z**
	x				x		0955		M03	03	5358 786/00, search	5358 786/00	5358 786/00	5358 786/00	since 02/10, last log 10/10
x			**x**				**1000**		**S11A**	**03**					**since 04/10, last log 08/10** **summer sked (cf 1300Z)**
		x			**x**		**1020**		**S11A**	**03**	6433 221/00	6433 221/00	6433 221/00	6433 221/00	**from 0950Z, last log 12/10** **permanent or only Nov-Feb?**
	x					x	1025		E11	03	**349/00, search**	**349/00, search**	**349/00, search**	**349/00, search**	since 08/09, last log 10/10
	x	**x**					**1045**		**E11**	**03**	**8091** **469/00**	**8091** **469/00**	**8091** **469/00**	**8091** **469/00**	**from 0825Z, last log 12/10** **permanent or only Nov-Feb?**
	x	**x**	**x**				**1115**		**M03**	**03**	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)	4828 272/00 (Tue) & 650/00 (Wed/Thu)	**from 0910Z, last log 12/10** **permanent or only Nov-Feb?**
	x				x		1205		G11	03	6433 270/00	6433 270/00	6433 270/00	6433 270/00	since 02/10, last log 10/10
x			**x**				**1300**		**S11A**	**03**	**475/00, search**	**475/00, search**	**475/00, search**	**475/00, search**	**since 04/10, last log 10/10**
				x	x		1305		G11	03					since 03/10, last log 10/10 **changed to 1325Z**
				x	**x**		**1325**		**G11**	**03**	**6433** **299/00**	**6433** **299/00**	**6433** **299/00**	**6433** **299/00**	**from 1305Z, last log 12/10** **permanent or only Nov-Feb?**
		x			x		1405		E11	03					since 01/10, last log 10/10 **changed to 1445Z**
		x			**x**		**1445**		**E11**	**03**	**4441** **267/00**	**4441** **267/00**	**4441** **267/00**	**4441** **267/00**	**from 1405, last log 12/10** **permanent or only Nov-Feb?**
			x				**1730**		**E11**	**03**	**5082** **416/00**	**5082** **416/00**	**5082** **416/00**	**5082** **416/00**	**from 1830Z, last log 12/10** **permanent or only Nov-Feb?**
			x				1830		E11	03					since 03/10, last log 10/10 **changed to 1730Z**
				x			1910		E11	03	4114 262/00	4114 262/00	4114 262/00	4114 262/00	since 11/09, **last log 10/10**

Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC	wk	Stn	Fam	Jan kHz, ID, ...	Feb kHz, ID, ...	Nov kHz, ID, ...	Dec kHz, ID, ...	General Remarks
x							0800		G06	01A	**5363** 215	**5363** 215	**5363** 215	**5363** 215	since 07/10, **last log 12/10**
x							1700		G06	01A	3514 892	3514 892	3514 892	3514 892	since 04/10, last log 10/10 yearly changing id
x							1800		G06	01A	4458 892	4458 892	4458 892	4458 892	since 05/09, **last log 11/10** yearly changing id
			x				1830	2/4	G06	01A	4519 271	4519 271	4519 271	4519 271	since 05/01, **last log 12/10**
				x			1930	2/4	G06	01A	4792 436	4792 436	4792 436	4792 436	since 04/01, **last log 12/10** rpt of Thu 1830Z
					x		2030 (2035)	1/3	G06	01A	**5824** 364	**5824** 364	**5824** 364	**5824** 364	since 11/09, **last log 12/10** yearly changing id

S06s schedule - amended 1st January 2011

Day	time (utc)	jan feb nov dec	mar apr sep oct	may jun jul aug	ID	
mon	13.00	8420	9145	10230	831	1 hour earlier
mon	13.10	10635	11460	12165	831	April to Oct
mon	16.00	7436	8040	9256	176	
mon	16.10	6668	6830	7889	176	
tue	06.00		14080	16735	438	
tue	06.10		12355	15230	438	
tue	07.00	5250	5760	5430	374	
tue	07.15	6320	6930	6780	374	
tue	08.00	5810	7320	7245	418	
tue	08.10	7440	9840	9670	418	
tue	08.00	10265	11635	14373	352	
tue	08.10	9135	10420	12935	352	
tue	12.30	5810	4 mhz?	7650	278	
tue	12.40	6770	5805		278	
tue	15.00	5070	6464	6666	537	
tue	15.10	6337	7242	7744	537	
wed	05.30	9435	10835	11435	153	
wed	05.40	11075	12170	12650	153	
wed	08.20	6880	7605	6755	471	
wed	08.30	7840	9255	5835	471	
wed	08.30	7335	7335	7335	745	1 hour earlier
wed	08.40	11830	11830	11830	745	May to Oct
wed	08.40	9260	9480	10120	328	
wed	08.50	11415	11040	9670	328	
wed	10.00	12365	13365	14580	729	
wed	10.10	14280	14505	16020	729	
wed	12.00	7030	7120	7765	481	
wed	12.10	6305	6415	6815	481	
wed	12.30	4580	7620	7545	967	
wed	12.40	6420	8105	8220	967	
wed	19.00	8530	9220	10170	371	
wed	19.10	7520	8270	9110	371	
thu E17z	08.00	11170	14260	16780	674	
thu E17z	08.10	9820	12930	12850	674	
thu	09.00	12952	12952	12952	167	
thu	09.10	13565	13565	13565	167	
thu	10.00	8535	9225	10175	895	last heard
thu	10.10	10480	11515	12215	895	Nov-10
thu	12.00	10580	12560	12155	425	
thu	12.10	9950	13065	14535	425	
thu	12.30	7865	8650	9255	314	
thu	12.40	5310	7385	7630	314	
thu	14.00	5320	5320	5320	624	
thu	14.10	4845	4845	4845	624	
fri	06.00	5460	6340	8340	934	
fri	06.10	7070	5470	5810	934	
fri	07.00	7150	7795	7845	196	1 hour earlier
fri	07.10	8215	8695	9125	196	April to Sept
fri	09.30	11780	12140	10290	516	
fri	09.40	12570	13515	9655	516	
sat	10.00	6440	6410		893	last heard
sat	10.10	5660	7340		893	mid-Nov 10
sat	12.00?	?			254	Only
sat	12.10	8260			254	week 1

Current Cuban Skeds Heard From 0000-0700 UTC
This covers 1900-0200 local EDT in the USA
(November-December 2010)

	0000	0100	0200	0300	0400	0500	0600	0700
SUN								*5883(P)*
						5898(P)	5800(S)	

	0000	0100	0200	0300	0400	0500	0600	0700
MON				*4174*	*5117*	*12180(SK)*	*11435(SK)*	*5883(P)*
				6855(P)	*6768(S)*	*13380(SK)*	*11532(SK)*	
						5898(P)	5800(S)	

	0000	0100	0200	0300	0400	0500	0600	0700
TUE						*12120(SK)*		*5883(P)*
						13380(SK)		
						5898(P)	5800(S)	

	0000	0100	0200	0300	0400	0500	0600	0700
WED						*12120(SK)*	*11435(SK)*	*5800(SK)*
						13380(SK)	*11532(SK)*	
						5810(P)	5810(S)	9153(P)

	0000	0100	0200	0300	0400	0500	0600	0700
THUR						*13380(SK)*		*5883(P)*
				10445(P)	11565(S)	5898(P)	5800(S)	

	0000	0100	0200	0300	0400	0500	0600	0700
FRI		*4028(P)*	*5417(S)*			*12120(SK)*	*11435(SK)*	*5883(P)*
						13380(SK)	*11532(SK)*	
						5810(P)	5810(S)	9153(P)

	0000	0100	0200	0300	0400	0500	0600	0700
SAT		*4028(P)*	*5135(S)*				*11435(SK)*	*5883(P)*
			4028(?)				*11532(SK)*	
				4028(?)				
				5135(?)		5898(P)	5800(S)	

Current Cuban Skeds Heard From 0800-1500 UTC
This covers 0300-1000 local EDT in the USA
(November-December 2010)

	0800	0900	1000	1100	1200	1300	1400	1500
SUN	*5898(S)*							
		10432(P)	9112(S)					

	0800	0900	1000	1100	1200	1300	1400	1500
MON	*5898(S)*							
	8186(SK)	*9063(SK)*						
						12116(P)	12134(S)	
		10432(P)	9112(S)			8096(P)	8096(S)	

	0800	0900	1000	1100	1200	1300	1400	1500
TUE	*5898(S)*		*8186(SK)*					
	8180(SK)	*8180(SK)*	*7890(SK)*					
		5947(SK)0900						
		5930(SK)0930						
						12214(P)	13374(S)	

	0800	0900	1000	1100	1200	1300	1400	1500
WED		*9040(P)*	*9240(S)*					
	8186(SK)	*9063(SK)*						
						10714(P)	10857(S)	
	9063(S)					8096(P)	8096(S)	

	0800	0900	1000	1100	1200	1300	1400	1500
THUR	*5898(S)*		*8186(SK)*					
	8180(SK)	*8180(SK)*	*7890(SK)*					
		5947(SK)0900						
		5930(SK)0930						
						12116(P)	12134(S)	

	0800	0900	1000	1100	1200	1300	1400	1500
FRI	*5898(S)*							
						12214(P)	13374(S)	
	9063(S)	10432(P)	9112(S)			8096(P)	8096(S)	

	0800	0900	1000	1100	1200	1300	1400	1500
SAT	*5898(S)*	*9040(P)*	*9240(S)*					
	8186(SK)	*9063(SK)*						
	5883(?)	*5885(SK)*						
		5947(SK)0900						
		5930(SK)0930						
			9063(?)					

Current Cuban Skeds Heard From 1600-2300 UTC
This covers 1100-1800 local EDT in the USA
(November-December 2010)

	1600	1700	1800	1900	2000	2100	2200	2300
SUN								

	1600	1700	1800	1900	2000	2100	2200	2300
MON	*6768(SK)*							
							7519(P)	8009(S)
			8097(P)	8097(S)	7554(?)			

	1600	1700	1800	1900	2000	2100	2200	2300
TUE	*6768(SK)*							
				12180(P)	*13380(S)*			
							7526(P)	8135(S)
					7554(?)			13380(?)

	1600	1700	1800	1900	2000	2100	2200	2300
WED	*6768(SK)*							
							7519(P)	8009(S)
			8097(P)	8097(S)	7554(?)	6932(?)	6854(?)	

	1600	1700	1800	1900	2000	2100	2200	2300
THUR	*6768(SK)*							
				12180(P)	*13380(S)*			
							8009(P)	8135(S)
					7554(?)	6932(?)	6854(?)	

	1600	1700	1800	1900	2000	2100	2200	2300
FRI	*6768(SK)*							
				6785(?)	7554(?)		7519(P)	8135(S)
			8097(P)	8097(S)				

	1600	1700	1800	1900	2000	2100	2200	2300
SAT								

Notes:
Skeds in MCW mode indicated in shaded cell.
V2a skeds are indicated in italic fonts.
M8a skeds are indicated in normal fonts.
The primary or first sked is indicated with (P).
The secondary, second or repeat sked is indicated with (S).
All skeds normally begin on the hour.
Frequencies listed as ( ), denote primary or secondary sked not determined.
Frequencies listed without ( ), denotes a possible sked.

SK01 notes: At present SK01 seems to be using exclusively RDFT mode.
The second of two skeds listed at 0500z, 0600z and 1600z, are coming up on the half hour. SK01 has also been coming up after some M8/V2 skeds are completed.
--Updated January 8, 2011—

Cuban Desk Contributors:

Barry_BS3 (Tennessee, USA)
"dj" westli1 (California, USA)
Jon-FL (Florida, USA)
MS (Michigan, USA)
Westt1us (Florida, USA)
Movie8071(Toronto,CA)
Rich Ray (Illinois, USA)
Gilberto Vernamas (Virginia, USA)

XPA Polytones

November2010

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0700z: 10327kHz 2. 0720z: 11627kHz 3. 0740z: 13427kHz

ID364 Mode: USB **[Tue/Fri]**

ID/msg/serial no/gc/dk/end grp

02Tue	364 1 00486 00167 69824 25726	4m08s
05Fri	364 1 00486 00167 69824 25726	4m08s
09Tue	364 1 00872 00159 85370 04602	4m03s
12Fri	364 1 00872 00159 85370 04602	4m03s
16Tue	364 1 06724 00109 18509 41062	3m31s
19Fri	364 1 06724 00109 18509 41062	3m31s
23Tue	364 1 00592 00241 23882 21276	4m55s
26Fri	364 1 00592 00241 23882 21276	4m55s
30Tue	364 1 00826 00177 60656 66313	4m14s

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1.1400z: 5867kHz 2. 1420z: 5467kHz 3. 1440z: 4567kHz

ID691 Mode: USB **[Sun/Tue]**

ID/msg/serial no/gc/dk/end grp

02Tue	691 000 02514 00001 00000 10140	2m26s
07Sun	NRH	
09Tue	691 000 very weak	2m26s
14Sun	NRH	
16Tue	691 1 00570 00157 35856 11607	4m02s
21Sun	NRH	
23Tue	691 000 03514 00001 00000 10140 00000 00000	2m27s
28Sun	NRH	
30Tue	691 000 03514 00001 00000 10140	2m26s

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 1900z: 8123kHz 2. 1920z: 7523kHz 3. 1940z: 6823kHz

ID364 Mode: USB **[Tue/Thu]**

ID/msg/serial no/gc/dk/end grp

02Tue	158 1 00889 00147 73265 60217	3m55s
04Thu	158 1 00889 00147 73265 60217	3m55s
09Tue	158 1 00787 00181 60196 13100	4m16s
11Thu	158 1 00787 00181 60196 13100	4m16s
16Tue	158 1 00597 00177 55074 55777	4m13s
18Thu	158 1 00597 00177 55074 55777	4m13s
23Tue	158 1 00199 00297 09824 63607	5m27s
25Thu	158 1 00199 00297 09824 63607	5m27s
30Tue	158 1 00613 00335 12839 46700	5m53s

Morning 0700z Schedule

Strong signals throughout this schedule.

Afternoon 1400z Schedule

Very weak signals, no apparent Sunday transmission.

Note the ID that does not correspond with frq.

This no Sunday/ID anomaly occurred in Nov2009 also.

Strangely 23/11 end with two extra groups of 00000

Evening 1900z schedule

Splendid sigs throughout schedule.

November 2010

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0500z 5764kHz 2. 0520z: 6764kHz 3. 0540z: 8064kHz

ID770 Mode: USB **[Wed/Fri]**

ID/msg/serial no/gc/dk/end grp

03Wed	770 1 00538 00131 89281 02134	3m46s
05Fri	770 1 00538 00131 89281 02134	3m46s
10Wed	770 000 07851 00001 00000 10410	2m26s
12Fri	770 000 07851 00001 00000 10410	2m26s
17Wed	NRH	
19Fri	NRH	
24Wed	NRH	
26Fri	NRH	

0500z Early Morning schedule

Signals of good strength, Nil Required Heard from 17/11.

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0540z 6839kHz 2. 0600z: 8139kHz 3. 0620z: 9139kHz

ID811 Mode: USB **[Mon/Wed was Tue/Thu]**

ID/msg/serial no/gc/dk/end grp

02Tue	811 1 00759 00199 18431 77070	4m28s
04Thu	811 1 00759 00199 18431 77070	4m28s
09Tue	NRH	
10Wed	811 1 00796 00123 07204 33545	3m42s
11Thu	NRH	
	Day change in effect	
15Mon	811 1 00796 00123 07204 33545	3m42s
17Wed	811 1 00379 00057 66896 53115	3m00s
22 Mon	811 1 00185 00051 85521 36042	2m 55s
24 Wed	811 1 00185 00051 85521 36042	2m 55s
29 Mon	NRH	

0540z Early Morning schedule

Signals of good strength.

Day change made from Tue/Thu to Mon/Wed.

0540z clashed with 0500z schedule last sending.

NRH for 29/11

December 2010

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0700z: 8147kHz 2. 0720z: 10417kHz 3. 0740z: 12147kHz

ID111 Mode: USB **[Tue/Fri]**

ID/msg/serial no/gc/dk/end grp

03Fri	111 1 00826 00177 60656 66313	4m14s
07Tue	111 1 00645 00313 29672 75253	5m39s
10Fri	111 1 00645 00313 29672 75253	5m39s
14Tue	111 1 00362 00111 61391 23211	3m34s
17Fri	111 1 00362 00111 61391 23211	3m34s
21Tue	111 1 00863 00087 39721 74620	3m20s
24Fri	111 1 00863 00087 39721 74620	3m20s
28Tue	111 1 00979 00295 58408 15607	5m29s
31Fri	111 1 00979 00295 58408 15607	5m29s

Morning 0700z Schedule

Generally good reception across the life of this schedule with strengths maintaining fair or strong designations.

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1. 1400z: 5767kHz 2. 1420z: 5267kHz 3. 1440z: 4467kHz

ID928 Mode: USB **[Sun/Tue]**

ID/msg/serial no/gc/dk/end grp

05Sun	NRH	
08Tue	928 000 03519 00001 00000 10140	2m26s
12Sun	NRH	
15Tue	928 1 00647 00089 80894 21261	3m20s
19Sun	NRH	
21Tue	928 000 03519 00001 00000 10140	2m26s
26Sun	NRH	
28Tue	928 000 08465 00001 00000 10140	2m26s

Afternoon 1400z Schedule

Variable reception with this schedule, weak to fair or on two occasions with the 1400z freq very weak with odd tones only heard.

XPA [MFSK-20 Russian Intelligence Multitone System] 10 bd

1. 1900z: 8164Hz 2. 1920z: 7364kHz 3. 1940z: 5864kHz

ID138 Mode: USB **[Mon/Wed]**

ID/msg/serial no/gc/dk/end grp

02Thu	138 1 00613 00335 12389 46700	5m53s
07Tue	138 1 00385 00209 25545 82750	4m35s
09Thu	138 1 00385 00209 25545 82750	4m35s
14Tue	138 1 00800 00227 03805 67422	4m45s
16Thu	138 1 00800 00227 03805 67422	4m45s
21Tue	138 1 00401 00361 53851 31066	6m08s
23Thu	138 1 00401 00361 53851 31066	6m08s
28Tue	138 1 00675 00155 61524 31221	3m59s
30Thu	138 1 00675 00155 61524 31221	3m59s

Evening 1900z schedule

As far as UK monitors are concerned the scheduled freqs have not been a good choice. 1900z was constantly weak, 1920z totally occluded by a BC station. The transmissions at 1940z were of good strength.

December 2010

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0500z nnnnkHz 2. 0520z: nnnnkHz 3. 0540z: nnnnkHz

IDnnn Mode: USB **[/]**

ID/msg/serial no/gc/dk/end grp

03Wed

05Fri

10Wed

12Fri

17Wed

19Fri

24Wed

26Fri

0500z Early Morning schedule

NOT FOUND; daily searches, different times made.
Remains NRH since 17/11 despite continual searching.

XPA [MFSK-20 Russian Intelligence Multitone System] 10bd

1. 0540z 5818kHz 2. 0600z: 6918kHz 3. 0620z: 8018kHz

ID890 Mode: USB **[Mon/Wed was Tue/Thu]**

ID/msg/serial no/gc/dk/end grp

01Wed	890 1 04293 00143 09760 62132	3m53s
06Mon	890 000 06627 00001 00000 10140	2m26s
08 Wed	890 000 06627 00001 00000 10140	2m26s
13Mon	890 1 00681 00151 83007 50147	3m59s
15 Wed	890 1 00681 00151 83007 50147	3m59s
20Mon	890 1 00619 00315 73724 14573	5m29s
22 Wed	890 1 00619 00315 73724 14573	5m29s
27Mon	890 1 00576 00137 86350 15217	3m49s
29 Wed	890 1 00576 00137 86350 15217	3m49s

0540z Early Morning schedule

Excellent strengths across the entire schedule.

Thanks to all monitors who have sent their input for these interesting tone transmissions.

Addendum

These logs were omitted from the final compilation due to finger trouble [Paul's]. Apologies for any inconvenience.

E06 log November

Thurs 4th	20.30	4836	472 678 15 34582 76958 37198 47287 12678…..10203
Fri 5th	07.00	18200	507 193 75 groups (very weak)
Fri 5th	21.30	4760	472 678 15 34582 76958 37198 47287 12678…..10203
Sat 6th	01.30	5837	759 648 31 99610 48627 73855 94062 20938.....69246
Weds 10th	19.20	3670	743 00000
Thurs 11th	07.00	18200	507 00000
Sat 27th	01.30	5837	759 841 36 35670 04855 46678 83967 79547.....96111
Sat 27th	14.00	7377	818 739 45 35689 10844 72284 96216 66562…..02777
	14.13		818 526 47 82626 65273 94548 40090 83484…..86305
Sat 27th	15.00	5380	818 739 45 35689 etc
	15.13		818 526 47 82626 etc (repeat of above 2 messages)

E06 log December

Thurs 2nd	20.30	4836	321 567 15 24351 56473 56473 89079 76856…..98705
Fri 3rd	21.30	4760	472 342 15 15473 87629 06747 23986 26478…..02846
Sat 4th	01.30	5796	759 618 32 17465 11709 94380 67962 29127.....00733
Sat 4th	12.15	10423	058 719 36 03526 15874 19673 34324 37755.....27763
Sat 4th	12.26	10423	058 264 35 28883 28383 82086 77067…...87571
Sat 4th	13.15	8167	058 719 36 03526 15874 19673 34324 37755.....27763
Thurs 9th	07.00	15940	923 00000
Sat 11th	01.30	5796	759 684 31 74628 18934 32653 60138 18860…..93167
Sun 12th	12.20	5806	743 00000
Thurs 16th	07.00	15940	923 456 107 groups (weak, QSB)
Thurs 16th	20.30	4836	321 567 15 24351 56473 56473 89079 76856 54352 12321 34215 67584 65748 12343
Sat 18th	01.30	5796	759 246 38 90193 73592 33724 49710 79442.....59230
Sun 26th	01.30	5796	759 612 30 27784 58978 65728 24712 27338.....45570

E07 log November

Mon 1st	20.20	6924	798 1 895 47 08534 27659 31458 85166 09383
Wed 3rd	18.00	8183	199 1 6773 50 58164 86276 21180 78081
Wed 3rd	18.20	6982	199 1 6773 50 58164 86276 21180 78081
Wed 3rd	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Wed 3rd	20.20	6924	798 1 895 47 08534 27659 31458 85166 09383
Wed 3rd	20.40	5824	798 1 895 47 08534 27659 31458 85166 09383
Mon 8th	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Tues 9th	08.00	5867	873 1 3415 135 6343- 41827 61267 619-9
Tues 9th	08.40	7367	873 1 3415 135 6343- 41827 61267 619-9
Thurs 11th	21.30	5449	744 000
Mon 22nd	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Tues 23rd	08.00	5867	873 000
Wed 24th	18.20	6982	199 1 2597? 165? 92-74 ?
Wed 24th	20.20	6924	798 1 895 47 08534 27659 31458 85166 09383
Mon 29th	20.00	7724	798 1 895 47 08534 27659 31458 85166 09383
Tues 30th	08.00	5867	873 000

E07 log December

Weds 1st	18.00	6982	989 2 921 57 80947 43629 79646.....74870
Weds 1st	18.10	6982	989 2 2517 161 92374 05368 33559…...95412
Wed 1st	18.32	5836	989 2 921 57 80947 etc
Wed 1st	19.03	4938	989 2 921 57 80947 etc (repeat of above 2 messages)
Wed 1st	20.00	7478	472 1 895 47 08534 27659 31458 85166 09383
Wed 1st	20.20	6778	472 1 895 47 08534 27659 31458 85166 09383
Thurs 2nd	08.00	5234	278 000
Thurs 2nd	21.30	5449	744 000
Sun 5th	18.00	6982	989 2 921 57 80947 43629 79646.....74870
Sun 5th	18.08	6982	989 2 2517 161 92374 05368 33559.....95412
Sun 5th	18.31	5836	989 2 921 57 80947 43629 79646.....74870
Sun 5th	19.02	4938	989 2 921 57 80947 43629 79646.....74870
Tues 7th	08.20	5734	278 000
Wed 8th	18.00	6982	989 000
Mon 13th	20.20	6778	472 000
Tues 14th	08.20	5734	278 000
Thurs 16th	21.10	6777	744 000
Sun 19th	18.20	5836	989 000
Mon 20th	20.00	7478	472 000
Weds 22nd	18.00	6982	989 000
Tues 28th	08.00	5234	278 000
Weds 29th	18.00	6982	989 1 675 43 06468 56729 50686 08136 31899
Thurs 30th	21.10	6777	744 1 798 42 60021 62775 17069 27150

G06 log November

Mon 1st	08.00	5463	215 00000
Mon 1st	17.00	3514	892 00000
Mon 1st	18.00	4458	892 00000
Sat 6th	20.35	4853	364 00000
Mon 8th	18.00	4458	892 00000
Thurs 11th	18.30	4519	271 738 15 62789 26471 03724 89024 23551…..16639
Mon 22nd	07.59	5463	215 00000
Fri 26th	19.30	4792	436 023 15 84720 45618 02417 40916 44402 57881 90248 64673 13409 46782 76290
Mon 29th	08.00	5463	215 000000

G06 log December

Sat 4th	20.35	4853	364 00000
Mon 6th	08.00	5463	215 346 46 29483 88734 88329 46239.....58088
Mon 6th	17.00	3514	892 00000
Mon 6th	18.00	4458	892 00000
Weds 8th	13.01	4026	892 00000
Fri 10th	19.30	4792	436 876 15 64729 13243 12546 76575 47638 98706 45309 14309 34276 10987 12987
Mon 13th	08.00	5463	215 346 46 29483 88734 88329 46239.....58088
Mon 13th	18.02	4458	892 000000
Thurs 23rd	18.30	4519	271 908 15 46578 24351 65748 09867 35462 54619 21648 28946 30164 73654 24176
Fri 24th	19.30	4792	436 876 15 64729 13243 12546 76575 47638 98706 45309 14309 34276 10987 12987
Mon 27th	08.02	9463	215 346 46 29483 88734 88329 46239.....58088

SPECIAL MATTERS:

Operation Jallaa: 0

MESSAGES:

E: Please make contact.

RELEVANT WEBSITES

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

EyeSpyMag! http://www.eyespymag.com